



CAM
service s.r.l.

VALVOLE INDUSTRIALI 2023
VALVULAS INDUSTRIALES Y ACCESORIOS

Distribución de fluidos

Fluid Control and Industrial Solutions



**Experiencia,
dinamismo y
gran dedicación al trabajo.**

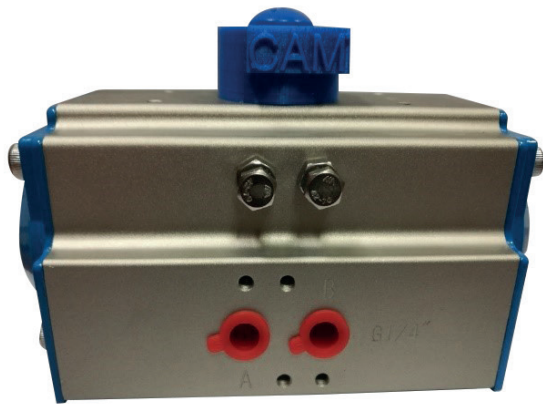
Son el secreto de nuestro
CONSTANTE CRECIMIENTO

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1- PNEUMATIC AND ELECTRIC ACTUATORS



PNEUMATIC ACTUATOR AT

Specifications

- (MODEL) AT
- (SIZE RANGE) 8-9000 NM 5,5 BAR
- (OPERATING PRESSURE) 10 BAR MAX
- (VALVE OPERATION TYPE) DOUBLE ACTIONT,
SPRING RETURN
- (BODY MATERIALS) ALLUMINIUM
- (CONNECTINON) NAMUR
- (TEMPERATURE) -15 +85 C
- (OPTION) CLOCKWISE ROTATION
STROKE ADJUSTMENT
VITON GASKETS

ELECTRIC ACTUATOR J4C MULTIVOLTAGE

IP 67

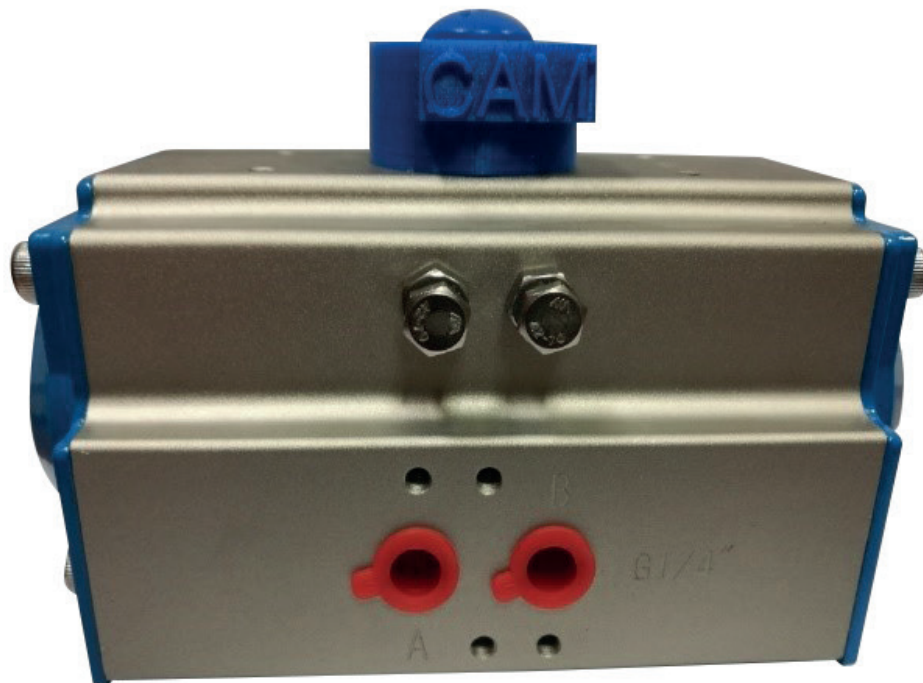
BRUSHLESS MOTOR



Specifications

- (MODEL) J4C
- (SIZE RANGE) 20-300 NM
- (POWER) 24 TO 240 V BRUSHLESS MOTOR
- (TEMPERATURE) -20 +70C
- (BODY MATERIALS) POLYCARBONATE
- (OPTION) DIGITAL POSITIONER
BATTERY SYSTEM RETURNS KIT
DIGITAL POTENTIOMETER
3 POSITION ACTUATOR
MODBUS
KIT INTERFACE

PNEUMATIC ACTUATOR AT SERIES



Produced in China, CAM SERVICE SRL DESIGN AND COSTUMIZATION

DICHIARAZIONE DI CONFORMITÀ UE

Oggetto della dichiarazione: ATTUATORE PNEUMATICO

Fabbricante: CAM SERVICE SRL
Via PRIVATA TICINO SN
28078 Romagnano Sesia (NO)

Questa dichiarazione di conformità è emessa sotto la responsabilità del Fabbricante

Oggetto della dichiarazione: "Attuatori Pneumatici"

Avente la marcatura:

II2G Ex h IIC T6 Gb



II2D Ex h IIIC T85° Db

Temperatura ambiente: - 25 °C ÷ 60 °C

Soddisfa i requisiti essenziali di sicurezza e salute ad essa applicabili dalla Direttiva 2014/34/UE.

Riferimento alle norme armonizzate utilizzate:

- UNI EN ISO 80079-36:2016 «Apparecchi non elettrici destinati alle atmosfere esplosive - Metodo e requisiti di base»
- UNI EN ISO 80079-37:2016 «Apparecchi non elettrici destinati alle atmosfere esplosive - Tipo di protezione non elettrica per sicurezza costruttiva "c", per controllo della sorgente di accensione "b", per immersione in liquido "k"»

L'apparecchiatura summenzionata è soggetta al modulo "controllo interno di fabbricazione" (allegato VIII direttiva Atex):

Riferimento documentazione tecnica: *Catalogo Attuatori AT*

Ricevuta di deposito presso Nobo

Romagnano Sesia 24/07/2019

tel.: +39 0163-825890
fax: +39 0163-834174

CAM SERVICE SRL
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<http://www.camservicesrl.com>
C.C.I.A.A. MB n° 1093767

P.IVA: IT01512440023

DICHIARAZIONE DECLARATION



Italia

1 **AVVISO DI RICEVIMENTO**
ACKNOWLEDGEMENT OF RECEIPT

2 **Apparecchiature o Sistemi di Protezione destinati ad essere utilizzati in atmosfere potenzialmente esplosive Direttiva 2014/34/UE**
Equipment of Protective System of Component intended for use in potentially explosive atmospheres Directive 2014/34/EU

3 Numero dell'avviso di ricevimento: **TÜV IT 19 ATEX 072 AR**
Acknowledgement of receipt number:

4 Apparecchiatura o sistema di protezione:
Equipment of protective system:
Attuatore pneumatico serie AT

Technical file reference given by applicant:
Attuatore pneumatico serie AT REv/0

6 Richiedente/Applicant: **C.A.M. SERVICE SRL**
Via San Martino nr 3
IT - 13045 GATTINARA (VC)

7 Costruttore/Manufacturer: **C.A.M. SERVICE SRL**
Via San Martino nr 3
IT - 13045 GATTINARA (VC)

8 ne Europea del 26 febbraio 2014, avvisa il richiedente di aver ricevuto il fascicolo tecnico relativo

ficolo 13 paragrafo 1-b-ii della Direttiva 2014/34/UE.

TÜV Italia, notified body n° 0948 in accordance with the Concil Directive 2014/34/EU of 26 February 2014, notifies to the applicant to have received the technical file relates to the equipment or protective system above mentioned according to procedure defined to Article 13 paragraph 1-b-ii of the Directive 2014/34/EU.

Data prima emissione / First issue date: 30/09/2019

Data emissione / Issue date: 30/09/2019

Data scadenza / Expiry date: 29/09/2029

TÜV ITALIA Srl



PRD N° 081B

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC

Recognition Agreements

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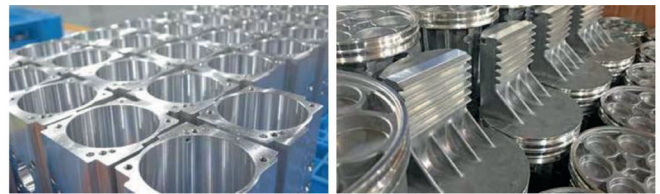


PEX-01-NO43_04_del 29/03/2018

TÜV Italia • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20099 Sesto San Giovanni (MI) • Italia • www.tuv.it TÜV®

1 - TECHNICAL CHARACTERISTICS

ARC series pneumatic actuators, with the integrated use of advanced pre-
 ARC series pneumatic actuators have lots of advantages like smooth and
 lection, competitive price and so on.



Piston

ing center, makes the operation smoother and
 performance more reliable. Anodized treatment
 improves the corrosion and wear resistance.



End cap

The function of 95° position limit is op-
 stead of extra limit screw. This design



Fasteners

The stainless steel fasteners, are
 safe with high corrosion resistance.

Spring

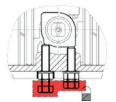
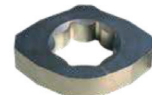
Preloaded and coated springs are made from high

Cam

Cam with lock function*, when the ac-
 tuator is required to be locked in full

the actuator can be equipped with
 special bolts and locking device, the
 actuator position can be locked, and
 prevent misuse.

AT40 ~AT125 are available at this time

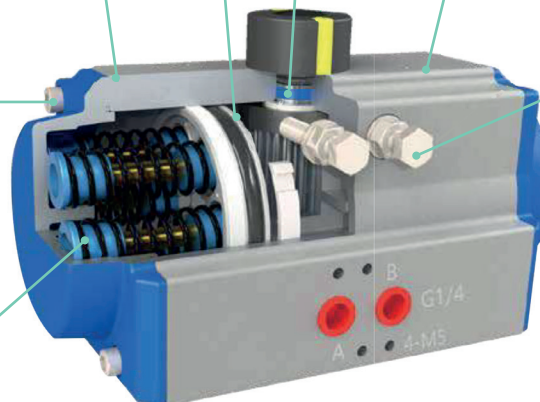


Body

According to different requirements, the surface of alu-
 red etc.), PTFE coating of Nickel plated.

Adjust screw

The two independent external
 travel stop adjust screws can ad-
 just $\pm 5^\circ$ at both open and close



Drive shaft

The drive shaft is high-precision and integrative, made
 est standards of ISO5211, DIN3337, NAMUR. The dimen-
 sions can be customized and stainless steel is available.



2 - INSTALLATION SPECIFICATION



Limit Switch box



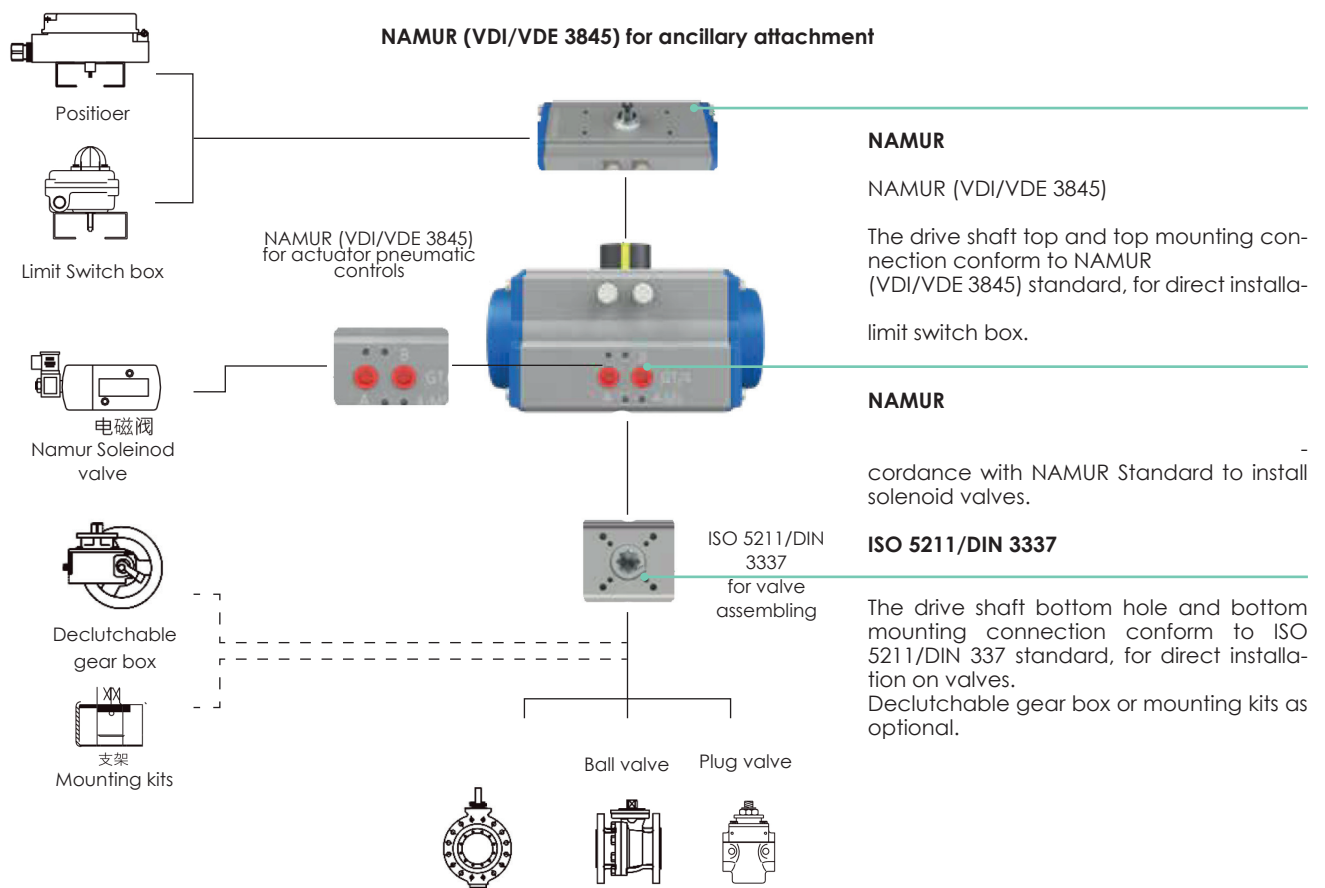
Positioner



Smart Positioner

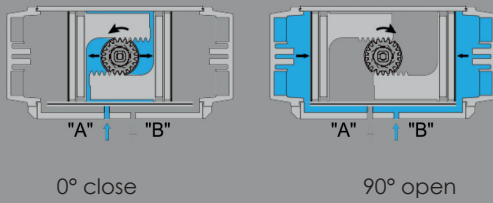


NAMUR Solenoid valve



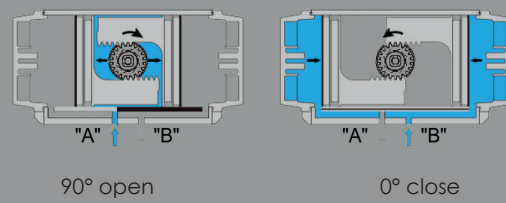
3 - DOUBLE ACTING ACTUATORS

CCW (Standard)



Air to Port A forces the pistons outwards, causing the drive shaft to turn counterclockwise while the air is being exhausted from Port B. Air to Port B forces the pistons inwards, causing the drive shaft to turn clockwise while the air is being exhausted from Port A.

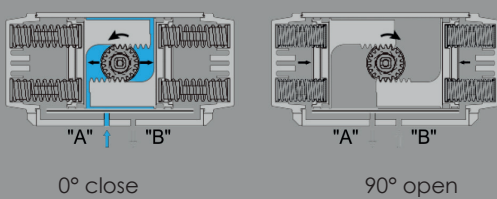
CW



Air to Port A forces the pistons outwards, causing the drive shaft to turn clockwise while the air is being exhausted from Port B. Air to Port B forces the pistons inwards, causing the drive shaft to turn counterclockwise while the air is being exhausted from Port A.

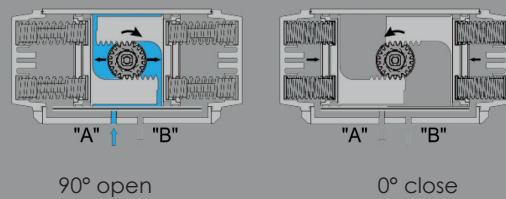
3/1 - SPRING RETURN ACTUATORS

FC-CCW (Standard)



Air to Port A forces the pistons outwards, causing the springs to compress, the drive shaft turns counterclockwise while air is being exhausted from port B. Loss of air pressure on port A, the drive shaft turns clockwise while air is being exhausted from port A.

FO-CW



Air to Port A forces the pistons outwards, causing the springs to compress, the drive shaft turns clockwise while air is being exhausted from port B. Loss of air pressure on port A, the drive shaft turns counterclockwise while air is being exhausted from port A.

4 - OPERATING CONDITIONS

- **Operating media**

- **Air supply pressure**

pressure is 8 Bar

- **Operating temperature**

Standard (NBR O-rings): -20°C ~ +80°C

High temperature (Viton O-rings): -20°C ~ +150°C

Low temperature (LTNBR O-rings): -40°C ~ +120°C

- **Travel adjustment**

Have adjustment range of $\pm 5^\circ$ for the rotation at 0° and 90°

- **Lubrication**

Undernormal operating condition, no need to add lubricant

- **Application**

Either indoor or outdoor

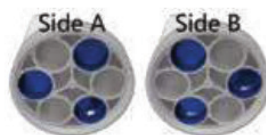
5 - SPRING SET CONFIGURATION

Spring mounting form for spring return actuators

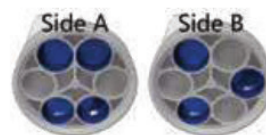
During selecting the spring return actuators, we can choose the more reasonable and more economical actuators, if we know the different torques of the valve at opening, operating and closing.



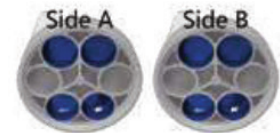
5 Springs



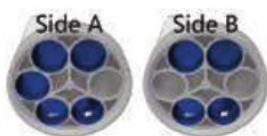
6 Springs



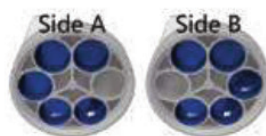
7 Springs



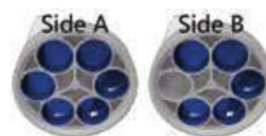
8 Springs



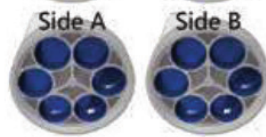
9 Springs



10 Springs



11 Springs



12 Springs

6 - WEIGHT

Model	32	40	52	63	75	83	92	105	115	125	140	160	190	210	240	270	300	350	400
DA	0.80	0.97	1.22	2.02	2.60	3.23	4.58	5.92	8.18	8.68	14.1	20.6	33.2	39.7	57.0	78.7	121.	210.2	280
SR12	-	1.10	1.35	2.19	2.86	3.64	5.35	6.76	9.30	10.0	16.5	24.4	40.2	49.2	70.0	100.	149.1	259.3	325

7 - OPERATION TIME

Air pressure 5 bar

Double Acting																		
			3+3		3+4		4+4		4+5		5+5		5+6		6+6			
Size	0°-90°	90°-0°	Size	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	0°-90°	90°-0°	
32DA	0.5	0.5	32SR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
40DA	0.5	0.5	40SR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
52DA	0.6	0.6	52SR	2.46	0.48	2.48	0.46	2.5	0.44	2.52	0.42	2.54	0.4	2.56	0.38	2.58	0.36	
63DA	0.7	0.7	63SR	2.54	0.56	2.56	0.54	2.58	0.52	2.6	0.5	2.62	0.48	2.64	0.46	2.66	0.44	
75DA	0.8	0.7	75SR	2.62	0.64	2.64	0.62	2.66	0.6	2.68	0.58	2.7	0.56	2.72	0.54	2.74	0.52	
83DA	0.9	0.8	83SR	2.71	0.73	2.73	0.71	2.75	0.69	2.77	0.67	2.79	0.65	2.81	0.63	2.83	0.61	
92DA	1.0	1.0	92SR	2.89	0.86	2.91	0.84	2.93	0.82	2.95	0.8	2.97	0.78	2.99	0.76	3.01	0.74	
105DA	1.5	1.5	105SR	3.14	0.91	3.16	0.89	3.18	0.87	3.2	0.85	3.22	0.83	3.24	0.81	3.26	0.79	
115DA	1.7	1.7	115SR	3.59	1.02	3.61	1.00	3.62	0.98	3.64	0.96	3.66	0.95	3.67	0.93	3.69	0.91	
125DA	2	2	125SR	4.24	1.2	4.26	1.18	4.28	1.16	4.3	1.14	4.32	1.12	4.34	1.1	4.36	1.08	
140DA	2.5	2.5	140SR	4.4	1.35	4.4	1.33	4.62	1.31	4.64	1.29	4.66	1.27	4.68	1.25	4.68	1.22	
160DA	4	3	160SR	4.74	1.77	4.76	1.75	4.78	1.73	4.8	1.71	4.82	1.69	4.82	1.67	4.84	1.65	
190DA	5	4	190SR	5.75	3.7	5.77	3.5	5.75	3.48	5.77	3.46	5.79	3.44	5.8	3.42	5.83	3.4	
210DA	5	4	210SR	8.25	4.8	8.4	4.6	8.42	4.58	8.44	4.56	8.46	4.54	8.48	4.52	8.5	4.5	
240DA	6	6	240SR	16.2	5.14	16.4	5.12	16.42	5.1	16.44	4.9	16.6	4.98	16.8	4.86	17	4.84	
270DA	8	8	270SR	17.6	6.28	17.8	6.26	17.6	6.24	17.8	6.2	18	6.18	18.2	6.16	18.4	6.14	
300DA	12	12	300SR	24	13.2	24.5	13	24.4	12.8	24.3	12.6	24.5	12.58	24.7	12.56	24.9	12.54	
350DA	14	14	350SR	31	17.3	31.5	17	31.3	16.8	31	16.6	31.2	16.58	31.4	16.56	31.6	16.54	
400DA	15	15	400SR	45	27	51	27	51.3	26.8	51.5	26.8	51.7	26.6	51.9	26.4	52.1	26.2	

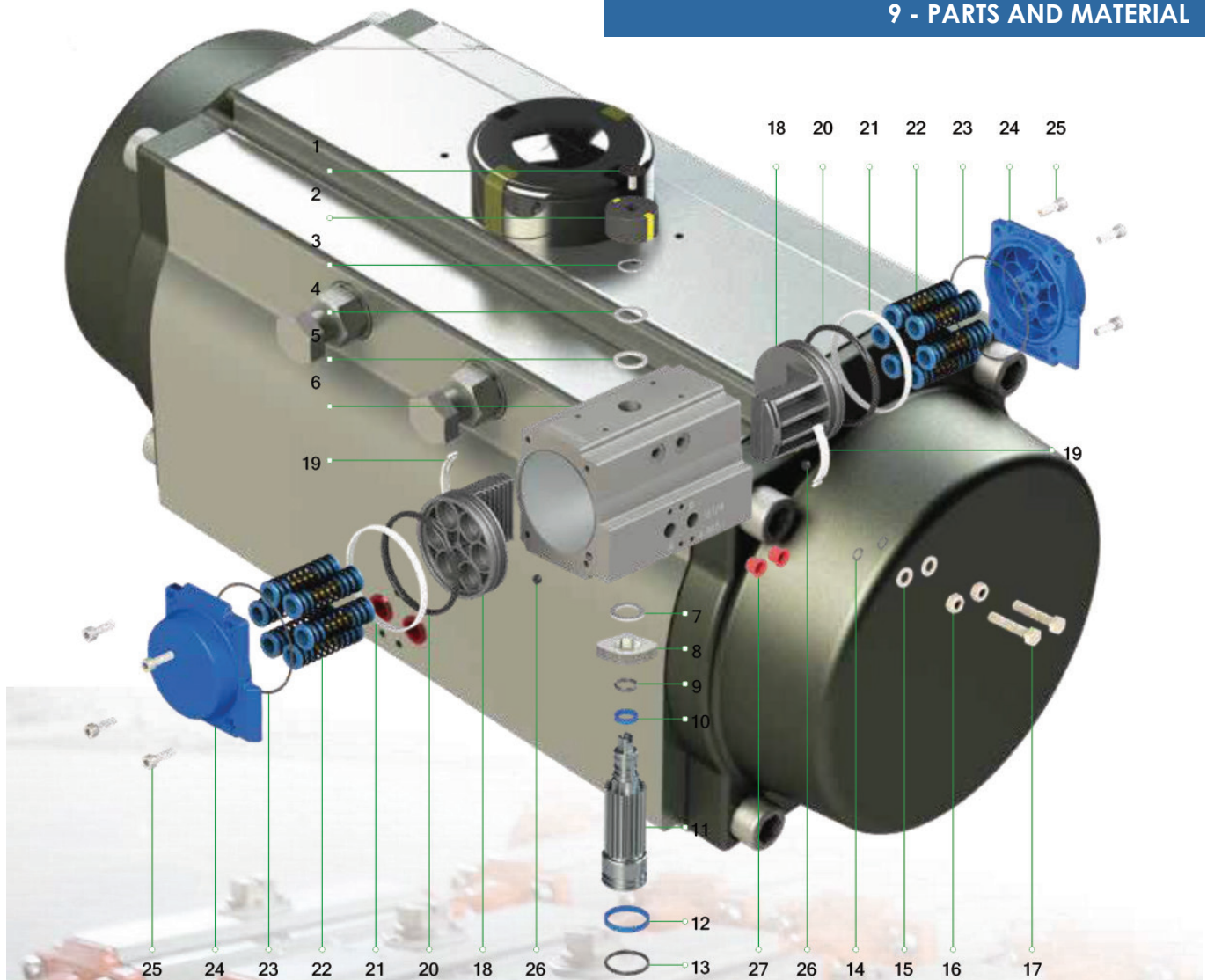
* The operation time of the actuator depends on the CV values of the solenoid

operating load and so on.

8 - AIR CONSUMPTION

Model	Air volume opening	Air volume closing	Model	Air volume opening	Air volume closing
AT-32	0.04	0.05	AT-140	2.5	2.2
AT-40	0.08	0.11	AT-160	3.7	3.2
AT-52	0.12	0.16	AT-190	5.9	5.4
AT-63	0.21	0.23	AT-210	7.5	7.5
AT-75	0.30	0.34	AT-240	11.0	9.0
AT-83	0.43	0.47	AT-270	17.0	14.0
AT-92	0.64	0.73	AT-300	23.8	29.7
AT-105	0.95	0.88	AT-350	35.1	46.3
AT-115	1.3	1.2	AT-400	52.6	56.0
AT-125	1.6	1.4			

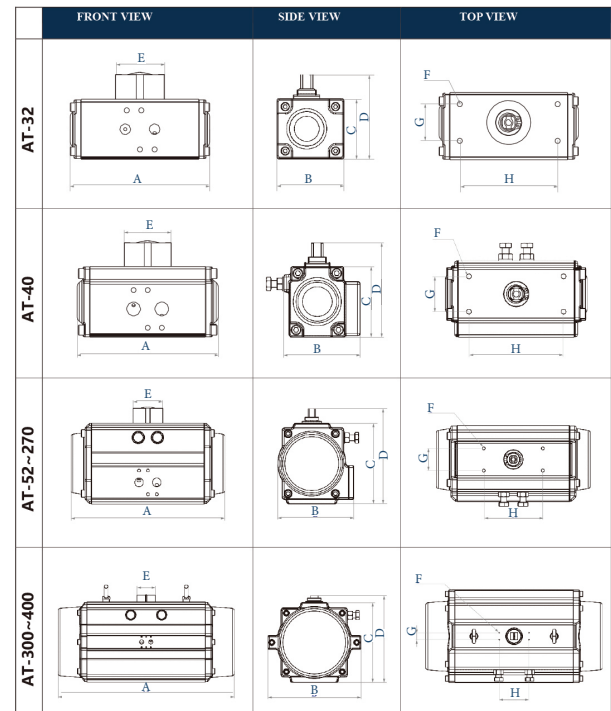
9 - PARTS AND MATERIAL



No	Description		Standard Material	Protection	Optional Material
1	Indicator screw	1	Plastic+Stainless steel		
2	Indicator	1	ABS Plastic		
3	Spring clip	1	Stainless steel		
4	Thrust washer	1	Stainless steel		
5	Outsider washer	1	-		
6		1	Extruded aluminum (6005-T5)	Hard anodized	
7	Inside washer	1	-		
8	Cam	1	45# steel		
9	O-ring (Shaft top)	1	NBR		Viton/LTNBR
10	Bearing (Shaft top)	1	-		
11	Drive Shaft	1		Nickel plated	Stainless steel
12	Bearing (Shaft bottom)	1	-		
13	O-ring (Shaft bottom)	1	NBR		Viton/LTNBR

No	Description		Standard Material	Protection	Optional Material
14	O-ring (Adjust screw)	2	NBR		Viton/LTNBR
15	Gasket	2	Stainless steel		
16	Nut	2	Stainless steel		
17	Adjust screw	2	Stainless steel		
18	Piston	2	Cast aluminum	Anodized	
19	Guide (Piston)	2			
20	O-ring (piston)	2	NBR		Viton/LTNBR
21	Bearing (Piston)	2	-		
22	Spring	0 ~ 12	Spring steel	Electrophoretic paint	
23	O-ring (End cap)	2	NBR		Viton/LTNBR
24	End cap	2	Cast aluminum	ester painted etc	
25	Cap screw	8	Stainless steel		
26	Plug	2	NBR		
27	Dustproof plug	2	Plastic		

10 - DIMENSIONS



Dimension

Model	32	40	52	63	75	83	92	105	115	125	140	160	190	210	240	270	300	350	400
A	112	124	163,5	181	207	213	258	287	298	342,5	411	488	544	580	622	766	794	880	1067
B	51	60,4	68	80	91,2	100,5	103	116	134	133,7	142	160,5	188,1	202,7	245	273	313	359	290
C	45	60	72	88	99,5	109	116,5	133	144	155	172	197	230	255	289	328	348	408	476
D	71	86	98	113	125	135	143	159	164	181	200	224	260	285	319	358	378	438	493
E	Ø40	Ø40	Ø40	Ø40	Ø40	Ø40	Ø40	Ø40	Ø55	Ø55	Ø55	Ø55	Ø80	Ø80	Ø80	Ø80	Ø80	Ø80	Ø80
F	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8
G	25	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
H	50	80	80	80	80	80	80	80	80	80	80	80	130	130	130	130	130	130	130

Connection

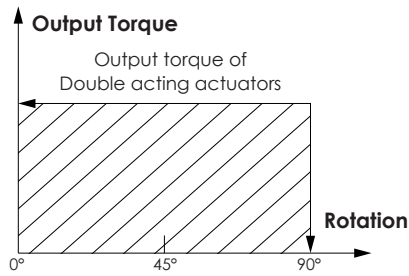
Air connection NAMUR	Bottom view ISO 5211/DIN 3337	Shaft top NAMUR
<p>ARC32~240 ARC270~400</p>	<p>标准/Standard 可选/Options ARC-32除外/Except ARC-32</p>	

Connection

Model	32	40	52	63	75	83	92	105	115	125	140	160	190	210	240	270	300	350	400
M	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	45	45	45	45
N	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40
O	G1/8"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"	G1/2"	G1/2"	G1/2"	G1/2"
P	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M5x8	M6x10	M6x10	M6x10	M6x10
Q	/	F03	F03	F05	F05	F05	F05	F07	F07	F07	F10	F10	/	/	/	/	F16	F16	F16
Q1	F03	F05	F05	F07	F07	F07	F07	F10	F10	F10	F12	F12	F14	F14	F16	F16	Ø215	F25	F25
R	/	M5x8	M5x8	M6x10	M6x10	M6x10	M6x10	M8x13	M8x13	M8x13	M10x16	M10x16	/	/	/	/	M20x25	M20x25	M20x25
R1	M5x8	M6x9	M6x9	M8x13	M8x13	M8x13	M8x13	M10x16	M10x16	M10x16	M12x19	M12x19	M16x24	M16x24	M20x25	M20x25	M20x25	M16x24*	M16x24*
S	9x11	11x14	11x14	14x18	14x18	17x21	17x21	22x26	22x26	22x26	27x31	27x31	36x40	36x40	46x50	46x50	46x60	46x60	55x60
T	10	10	10	10	10	10	14	14	22	22	22	22	32	32	32	32	32	32	32
U	12	12	12	12	12	12	12	12	10	10	10	10	12	12	12	12			

11 - OUTPUT TORQUE

FOR DOUBLE ACTING ACTUATOR



/ Torque Unit: Nm

Model	2	2.5	3	4	4.5	5	5.5	6	7	8
AT-32DA	3	4	5	6	7	8	8	9	11	12
AT-40DA	5	6	7	10	11	12	13	14	17	19
AT-52DA	8	10	12	16	18	20	22	24	28	32
AT-63DA	15	18	22	29	33	36	40	44	51	58
AT-75DA	20	25	30	40	45	50	55	60	70	80
AT-83DA	31	39	47	63	70	78	86	94	110	125
AT-92DA	45	56	68	90	102	113	124	135	158	181
AT-105DA	66	83	99	132	149	165	182	198	231	264
AT-115DA	86	108	130	173	194	216	238	259	302	346
AT-125DA	100	125	150	200	226	251	276	301	351	401
AT-140DA	171	214	256	342	385	427	470	513	598	684
AT-160DA	266	332	399	532	598	665	731	798	931	1064
AT-190DA	426	532	638	851	958	1064	1170	1277	1490	1702
AT-210DA	532	665	798	1064	1197	1330	1463	1596	1862	2128
AT-240DA	769	962	1154	1539	1731	1924	2116	2308	2693	3078
AT-270DA	1170	1462	1754	2339	2632	2994	3216	3509	4094	4679
AT-300DA	1526	1908	2289	3052	3434	3815	4197	4578	5341	6104
AT-350DA	2285	2856	3427	4570	5141	5712	6283	6854	7997	9139
AT-400DA	3256	4070	4884	6512	7326	8140	8954	9768	11396	13024

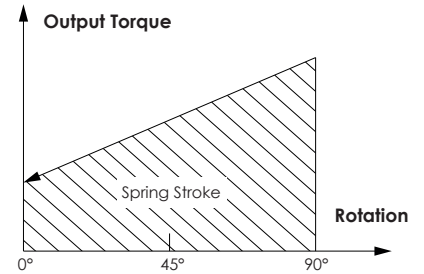
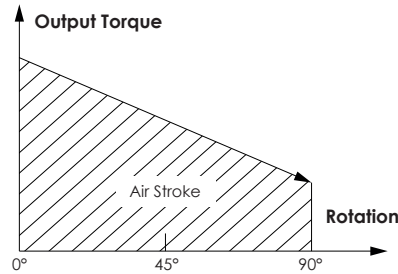
Sizing: Double Acting Actuator

conditions is 20% - 30%

Example:

According to the above table, we can select the model ARC105-DA

FOR SPRING RETURN ACTUATOR



Output torque of air to springs																	
Model	Spring	2.5 Bar		3 Bar		4 Bar		5 Bar		6 Bar		7 Bar		8 Bar		Spring's output	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
AT - 40	SR2					5.6	3.4	7.6	5.4	9.6	7.4	12.6	10.4	14.6	12.4	6.6	4.4
AT - 52	SR5	5.7	3.8	7.6	5.7											6.2	4.3
	SR6	4.9	2.5	6.9	4.5	10.9	8.5									7.4	5.0
	SR7	4.0	1.3	6.0	3.3	9.8	7.3	14.0	10.4							8.6	5.9
	SR8			5.2	2.0	9.2	6.0	13.2	9.1	17.2	14.1					9.9	6.7
	SR9			4.3	0.8	8.3	4.8	12.3	7.9	16.3	12.8	20.3	16.8			11.1	7.6
	SR10					7.4	3.6	11.5	6.7	15.5	11.6	19.5	15.6			12.4	8.5
	SR11					6.6	2.3	10.6	5.4	14.6	10.4	18.6	14.3	22.6	18.3	13.6	9.3
	SR12							9.7	4.2	13.8	9.1	17.8	12.2	21.8	17.1	14.8	10.2
AT - 63	SR5	11.4	7.7	15.0	11.4	22.3	14.9									10.4	6.8
	SR6	10.1	5.7	13.6	9.3	20.9	16.6	28.3	23.9							12.5	8.2
	SR7	8.6	3.6	12.5	7.2	19.5	14.5	26.8	21.9							14.6	9.6
	SR8			10.9	5.1	18.2	12.4	25.5	19.8	32.8	27.0	40.1	34.3			16.7	10.9
	SR9					16.8	10.4	24.1	17.7	31.4	24.9	38.7	32.2			18.8	12.3
	SR10					1.4	8.2	22.8	15.6	30.0	22.8	37.3	30.1	44.7	37.4	20.9	13.7
	SR11							21.5	13.5	28.7	20.7	36.0	28.0	43.3	35.3	22.9	15.0
	SR12							20.0	11.4	27.3	18.6	34.6	25.9	41.9	33.3	25.0	16.4
AT - 75	SR5	14.5	10.6	19.4	15.5	29.5	25.7									14.5	10.5
	SR6	12.4	7.6	17.3	12.6	27.4	22.7	37.5	32.8							17.4	12.7
	SR7	10.4	4.8	15.2	9.7	25.3	19.9	35.4	29.9							20.3	14.8
	SR8			13.1	6.8	23.1	16.9	33.3	27.0	43.2	37.0	53.3	47.0			23.2	16.9
	SR9					21.0	14.1	31.2	24.1	41.1	34.1	51.2	44.2			26.1	19.0
	SR10					19.0	11.1	28.8	21.2	39.0	31.2	49.1	41.2	59.1	51.2	29.0	21.1
	SR11							27.0	18.3	37.0	28.3	47.0	38.4	57.0	48.4	31.9	23.2
	SR12							24.9	15.4	34.9	25.4	44.9	35.4	54.9	45.4	34.7	25.3
AT - 83	SR5	23.3	16.1	31.1	24.0	46.8	39.7									23.0	15.8
	SR6	20.1	11.5	28.0	19.3	43.7	35.1	59.4	50.7							27.6	19.0
	SR7	17.0	6.9	24.8	14.8	40.5	30.5	56.2	46.2							32.2	22.1
	SR8			21.7	10.1	37.4	25.8	53.1	41.5	68.8	57.2	84.5	72.9			36.8	25.3
	SR9					34.2	21.3	49.9	37.0	65.6	52.6	81.2	68.3			41.4	28.5
	SR10					31.0	16.6	46.7	32.3	62.4	48.0	78.1	63.7	93.8	79.3	46.0	31.6
	SR11							43.6	27.7	59.3	43.4	75.0	59.1	90.6	74.8	50.6	34.8
	SR12							40.4	23.2	56.1	38.9	71.7	54.5	87.4	70.2	55.2	38.0

Output torque of air to springs

Model	Spring	Air pressure														Spring's output	
		2.5 Bar		3 Bar		4 Bar		5 Bar		6 Bar		7 Bar		8 Bar		0°	90°
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°		
Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End		
AT - 92	SR5	33.1	22.0	44.2	33.2	66.8	55.9									34.4	23.3
	SR6	28.4	15.2	39.6	26.4	62.2	49.0	84.8	71.6							41.2	28.0
	SR7	23.8	8.2	34.9	19.4	57.5	42.1	80.2	64.7							48.1	32.7
	SR8			31.3	12.6	52.9	35.2	75.5	57.9	98.1	80.5	120.7	103.0			55.0	37.7
	SR9					48.2	28.4	70.9	51.0	93.5	73.6	116.0	96.1			61.9	42.0
	SR10					43.6	21.5	66.2	44.1	88.8	66.7	111.3	89.2	134.0	111.8	68.7	46.7
	SR11							61.5	37.2	84.1	59.9	106.6	82.4	129.2	105.0	75.6	51.4
	SR12							56.8	30.4	79.4	53.0	101.9	75.5	124.5	98.1	82.5	56.0
AT - 105	SR5	51.0	33.4	67.5	49.9	100.6	83.0									49.2	31.6
	SR6	44.7	23.5	61.1	40.0	94.2	73.2	127.3	106.2							59.1	38.0
	SR7	38.4	13.7	54.9	30.3	87.9	63.4	121.0	96.4							68.9	44.3
	SR8			48.5	20.4	81.6	53.5	114.7	86.5	147.7	119.6	180.8	152.7			78.7	50.6
	SR9					75.3	43.7	108.4	76.8	141.5	109.8	174.5	142.9			88.6	56.9
	SR10					68.9	33.4	102.0	66.5	135.1	99.6	168.2	132.6	201.2	165.7	98.4	63.3
	SR11							95.7	57.0	128.7	90.1	161.8	123.1	194.8	156.2	108.3	69.6
	SR12							89.4	47.5	122.5	80.6	155.5	113.6	188.6	146.7	118.1	75.9
AT - 115	SR5	65	43	87	65	130	108									65	43
	SR6	56	30	78	52	121	95	164	138							78	52
	SR7	47	17	69	39	112	82	155	125							91	61
	SR8			61	26	104	69	147	112	190	155	233	198			104	69
	SR9					95	56	138	99	181	142	224	185			117	78
	SR10					86	43	129	86	172	129	215	172	259	216	130	87
	SR11							121	73	164	116	207	159	251	203	143	95
	SR12							112	60	156	104	198	146	242	190	156	104
AT - 125	SR5	73	47	98	72	148	122									79	52
	SR6	63	31	88	56	138	107	188	157							94	63
	SR7	52	15	77	40	127	90	178	141							110	73
	SR8			67	25	117	75	167	125	217	176	268	226			125	84
	SR9					107	59	157	109	207	159	257	210			141	94
	SR10					96	44	146	94	196	144	247	194	297	245	157	105
	SR11							136	78	186	128	236	178	286	228	173	115
	SR12							125	63	176	113	226	163	276	213	188	125
AT - 140	SR5	128	85	171	127	256	213									129	86
	SR6	111	59	154	102	239	187	325	273							155	103
	SR7	94	33	137	76	222	162	308	247							181	120
	SR8			120	50	205	136	291	221	376	307	462	392			206	137
	SR9					187	110	273	196	358	281	444	367			232	155
	SR10					170	84	256	169	341	255	427	340	512	426	258	172
	SR11							238	143	324	229	409	314	495	400	284	189
	SR12							221	118	307	203	392	289	478	374	310	206
AT - 160	SR5	193	124	259	191	392	324									208	140
	SR6	165	83	232	149	365	282	498	415							250	168
	SR7	137	41	203	107	336	240	496	373							292	196
	SR8			176	66	309	199	442	237	575	465	708	598			333	223
	SR9					280	157	413	290	546	423	679	556			375	251
	SR10					253	115	386	248	519	381	652	514	785	647	417	279
	SR11							358	207	491	340	624	473	757	606	458	307
	SR12							330	165	463	298	596	431	729	564	500	335
AT - 190	SR5	332	222	438	329	651	542									309	200
	SR6	292	161	398	267	611	480	824	693							371	240
	SR7	252	99	358	205	571	418	784	631							433	280
	SR8			318	143	531	356	744	569	957	782	1169	995			495	320
	SR9					491	295	704	507	917	720	1130	933			557	360
	SR10					451	233	664	446	877	658	1090	871	1302	1084	618	400
	SR11							624	384	837	579	1050	809	1263	1022	680	440
	SR12							584	322	797	535	1010	748	1223	960	742	480

Output torque of air to springs

Air pressure		2.5 Bar		3 Bar		4 Bar		5 Bar		6 Bar		7 Bar		8 Bar		Spring's output	
Model	Spring	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
		Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End	Start	End
AT - 210	SR5	390	285	523	418	789	684									380	275
	SR6	335	209	468	342	734	608	1000	874							456	330
	SR7	280	133	413	266	679	532	945	798							532	385
	SR8			358	190	624	456	890	722	1156	988	1422	1254			608	440
	SR9					569	380	835	646	1101	912	1367	1178			684	495
	SR10					514	304	780	570	1046	836	1312	1102	1578	1368	760	550
	SR11							725	494	991	760	1257	1026	1523	1292	836	605
	SR12							670	418	936	684	1202	950	1468	1216	912	660
AT - 240	SR5	552	109	744	600	1129	985									554	410
	SR6	470	297	662	489	1047	874	1432	1259							665	492
	SR7	388	187	580	379	964	764	1349	1149							775	575
	SR8			498	268	883	653	1267	1037	1652	1422	2037	1807			886	656
	SR9					800	542	1185	926	1569	1311	1954	1696			998	739
	SR10					718	431	1103	816	1488	1201	1872	1586	2275	1970	1108	821
	SR11							1021	705	1406	1090	1791	1474	2176	1859	1219	903
	SR12							939	594	1323	979	1708	1363	2093	1748	1330	985
AT - 270	SR5	903	675	1195	968	1779	1552									787	560
	SR6	790	519	1083	811	1667	1396	2252	1981							943	672
	SR7	679	316	972	654	1556	1238	2141	1823							1101	783
	SR8			860	497	1444	1081	2029	1666	2614	2252	3199	2836			1258	895
	SR9					1332	923	1917	1509	2502	2094	3087	2678			1416	1007
	SR10					1220	767	1805	1352	2390	1937	2974	2521	3560	3107	1572	1119
	SR11							1693	1693	2278	1779	2862	2364	3448	2949	1730	1231
	SR12							1582	1582	2167	1623	2751	2207	3336	2792	1887	1342
AT - 300	SR5	1097	729													1061	730
	SR6	935	494	1316	875											1273	876
	SR7	772	258	1153	639	1916	1402									1485	1022
	SR8			991	403	1754	1166	2517	1929							1697	1168
	SR9					1592	930	2355	1693	3118	2456					1909	1314
	SR10					1430	695	2193	1458	2956	2221	3719	2984	4482	3747	2122	1460
	SR11							2030	1222	2793	1985	3556	2748	4319	3511	2334	1606
	SR12							1868	1868	2631	1749	3394	2512	4157	3275	2546	1752
AT - 350	SR5	1553	964													1702	1173
	SR6	1292	586	1863	1157											2043	1408
	SR7	1031	208	1602	779	2745	1922									2383	1642
	SR8			1341	401	2484	1544	3626	2686							2724	1877
	SR9					2224	1165	3336	2307	4508	3449					3064	2112
	SR10					1963	787	3105	1929	4247	3071	5390	4214	6532	5356	3405	2346
	SR11							2844	1551	3986	2693	5129	3836	6271	4978	3745	2581
	SR12							2584	1172	3726	2314	4869	3457	6011	4599	4986	2816
AT - 400	SR5	2028	869													2880	1837
	SR6	1736	411	2550	1225											3292	2100
	SR7			2259	768	3887	2396									3703	2362
	SR8			1967	311	3595	1939	5223	3567							4115	2624
	SR9					3303	1482	4931	3110	6559	4738					4526	2887
	SR10					3012	1025	4640	2653	6268	4281	7895	5908	9523	7536	4838	3149
	SR11							4348	2195	5976	3823	7603	5450	9231	7078	5349	3412
	SR12							4057	1738	5685	3366	7312	4993	8940	6621	5761	3674
							3765	1281	5393	2909	7020	4536	8648	6164	6172	3937	
									5101	2452	6728	4079	8356	5707	6584	4199	

ISTRUZIONI DI ASSEMBLAGGIO MODELLO AT

PROCESSO DI ASSEMBLAGGIO	
PREMESSA: la camera dell'attuatore e tutti i componenti presenti all'interno, devono essere puliti e successivamente oleati prima dell'assemblaggio.	
STRUMENTI: morsa, pinza per sieger, mazzuola, chiavi inglesi, chiavi esagonali, pinza.	
Paragrafo	
1 Pignone e stop esagonale	Inserire parzialmente il pignone nella camera in posizione di apertura. Dall'interno, incastonare lo stop esagonale con la sua guarnizione a 45° rispetto alla linea del pignone. Inserire totalmente il pignone nella camera e ruotarlo di 45° in senso antiorario.
2 Primo bullone di regolazione	leggermente la punta dello stop esagonale presente all'interno.
3 Cremagliere	Inserire le due cremagliere nei rispettivi alloggiamenti in modo diagonalmente opposto e parallelo. Fermarle in modo da rimanere sul bordo delle uscite. Solo successivamente spingere entrambe le basi delle cremagliere ruotando in contemporanea il pignone in senso orario.
4 Secondo bullone di regolazione	Avvitare il secondo bullone nel foro destro progressivamente e regolarlo in modo da ottenere i 90° in entrambi i movimenti di apertura e chiusura.
5 Guarnizione - rondella - sieger	nell'ordine qui riportato: guarnizione, rondella, sieger.
6 Testate laterali	Inserire l'O-ring all'interno della scanalatura presente - mente la vite centrale della testata. Posizionare le testate laterali sulle uscite della camera e avvitarle con i quattro bulloni con incasso esagonale.
7 Controllo e avvertenze	funzionamento.



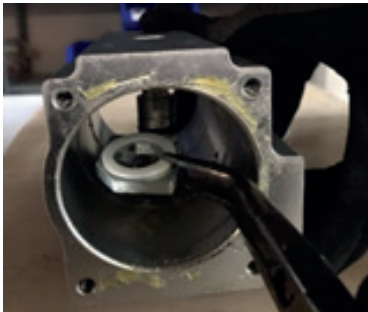
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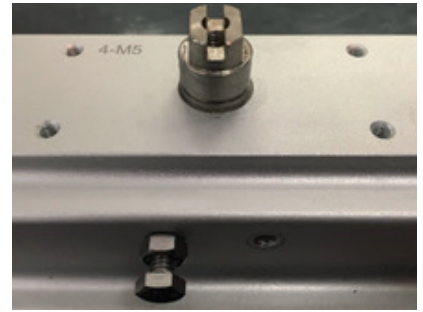
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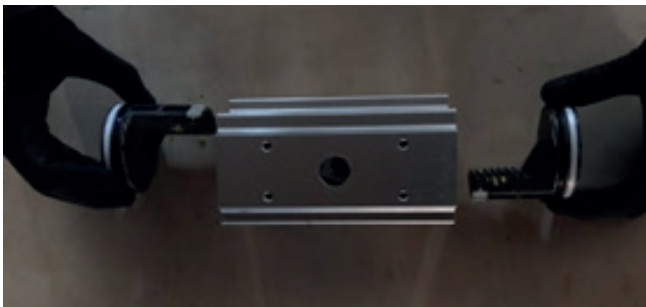
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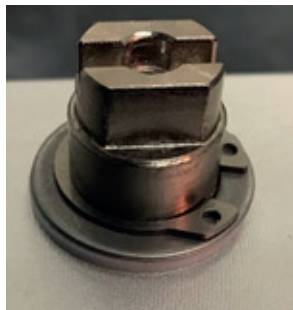
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4



5



5



6



INTERNO DI
APERTURA

ACTUATOR ACCESSORY

SPRING CARTRIDGE

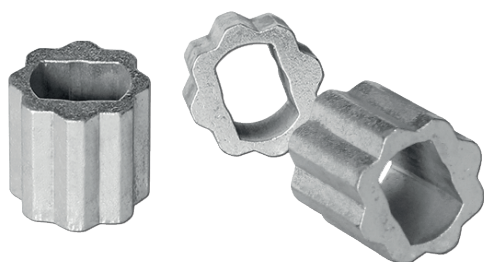


Specifications

(MODEL) SPRING

SIZE	AT52SX	AT63SX	AT75SX	AT83SX	AT92SX	AT105SX
CODICE	AT52-SPRING	AT63-SPRING	AT75-SPRING	AT83-SPRING	AT92-SPRING	VSFFISO-11/4
SIZE	AT125SX	AT140SX	AT160SX	AT190SX	AT210SX	
CODICE	AT125-SPRING	AT140-SPRING	AT160-SPRING	AT190-SPRING	AT210-SPRING	

DOUBLE SQUARE ADAPTERS

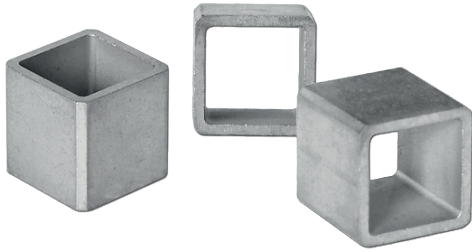


Specifications

(MODEL) POLIGONALI
(BODY MATERIALS) INOX

SIZE	11X9	14X9	14X11	17X11	17X14	22X17
CODICE	POLIG11X9	POLIG14X9	POLIG14X11	POLIG17X11	POLIG17X14	POLIG22X17
SIZE	27X22	36X27				
CODICE	POLIG27X22	POLIG36X27				

DOUBLE SQUARE ADAPTERS



Specifications

(MODEL) QUADRO
(BODY MATERIALS) INOX

SIZE	11X9	14X9	14X11	17X11	17X14	22X17
CODICE	QUADRO11X9	QUADRO14X9	QUADRO14X11	QUADRO17X11	QUADRO17X14	QUADRO22X17
SIZE	27X22	36X27				
CODICE	QUADRO27X22	QUADRO36X27				

KIT OR NBR FOR AT ACTUATOR



Specifications

(MODEL) FX999-NBR
(BODY MATERIALS) NBR

SIZE	AT32	AT40	AT52	AT63	AT75	AT83
CODICE	AT32-BUNA-OR	AT40-BUNA-OR	AT52-BUNA-OR	AT63-BUNA-OR	AT75-BUNA-OR	AT83-BUNA-OR
SIZE	AT92	AT105	AT125	AT140	AT2160	AT190
CODICE	AT92-BUNA-OR	AT105-BUNA-OR	AT125-BUNA-OR	AT140-BUNA-OR	AT160-BUNA-OR	AT190-BUNA-OR

KIT OR FKM FOR AT ACTUATOR



Specifications

(MODEL) FX999-FKM
(BODY MATERIALS) FKM

SIZE	AT32	AT40	AT52	AT63	AT75	AT83
CODICE	AT32-FKM-OR	AT40-FKM-OR	AT52-FKM-OR	AT63-FKM-OR	AT75-FKM-OR	AT83-FKM-OR
SIZE	AT92	AT105	AT125	AT140	AT2160	AT190
CODICE	AT92-FKM-OR	AT105-FKM-OR	AT125-FKM-OR	AT140-FKM-OR	AT160-FKM-OR	AT190-FKM-OR

TAILORED ADAPTERS



Specifications

(MODEL) PCS (A105) – PSS (INOX)
(BODY MATERIALS) INOX316L - CARBON STEEL

SIZE	9 MM	11 MM	14 MM	17 MM	22 MM	27 MM
A 105	PCS009	PCS011	PCS014	PCS017	PCS022	PCS027
SIZE	9 MM	11 MM	14 MM	17 MM	22 MM	27 MM
INOX	PSS009	PSS011	PSS014	PSS017	PSS022	PSS027



Specifications

(MODEL) BRACKET

(BODY MATERIALS) INOX316L - CARBON STEEL

SIZE	F03-F03	F03-F04	F03-F05	F04-F05	F05-F05
A 105	BRAK9000F03/F03	BRAK9001F03/F04	BRAK9002F03/F05	BRAK9005-F04/F05	BRAK9008F05/F05
SIZE	F05-F07	F07-F07	F07-F10	F10/F10	F10/F14
A 105	BRAK9009F05/F07	BRAK9012F07/F07	BRAK9013F07/F10	BRAK9016F10/F10	BRAK9018F10/F14
SIZE	F12/F12	F12/F14			
A 105	BRAK9020F12/F12	BRAK9021F12/F14			
SIZE	F03-F03	F03-F04	F03-F05	F04-F05	F05-F05
INOX	BRAK1000F03/F03	BRAK1001F03/F04	BRAK1002F03/F05	BRAK1005-F04/F05	BRAK1008F05/F05
SIZE	F05-F07	F07-F07	F07-F10	F10/F10	F10/F14
INOX	BRAK1009F05/F07	BRAK1012F07/F07	BRAK1013F07/F10	BRAK1016F10/F10	BRAK1018F10/F14
SIZE	F12/F12	F12/F14			
INOX	BRAK1020F12/F12	BRAK1021F12/F14			

	RAGGIO X 2 ISO 1	INTERSASSE E FORI
F03	36 MM	25 MM
F04	40 MM	30 MM
F05	50 MM	35 MM
F07	70 MM	55 MM
F10	102 MM	70 MM
F12	125 MM	85 MM
F14	140 MM	100 MM
F16	165 MM	130 MM
F25	254 MM	200 MM
F30	298 MM	230 MM

TABELLA RILEVAMENTO QUOTE

PN20	ANSI150/ASME
PN50	ANSI300/ASME
PN64	ANSI400/ASME
PN100	ANSI600/ASME
PN150	ANSI900/ASME
PN250	ANSI1500/ASME
PN420	ANSI2500/ASME

COUPLING DIMENSIONS ISO 5211

MODEL TYPE	A*	B	C	D	Ch
CH9	50	12	20	11.5	9X9
CH9	72	12	20	11.5	9X9
CH11	76	16	25	14	11X11
CH14	76	16	30	17.5	14X14
CH17	79	19	40	21.5	17X17
CH22	104	24	50	21.5	22X22
CH27	109	29	50	34	27X27
CH36	128	38	60	46	36X36
CH46	148	48	70	58	46X46
CH55	157	57	80	70	55X55

Dimensions in mm

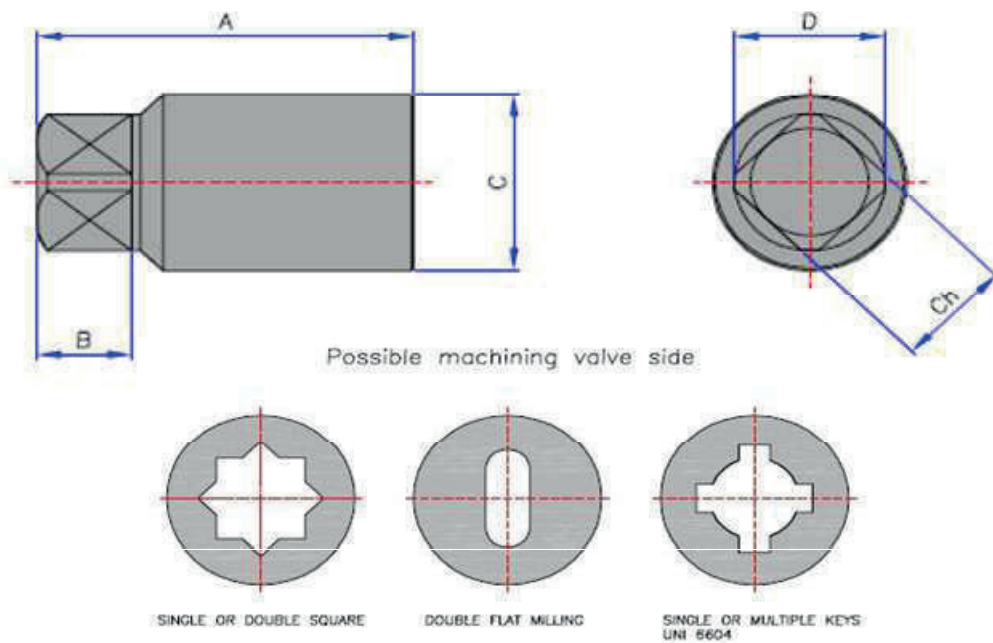
MATERIALS

Carbon steel 11SMnPb37+C GALVANIZED

Stainless steel 1.4404 (AISI 316L)

Other materials on request

Other forms on request



BRACKET ISO 5211 DIMENSIONS

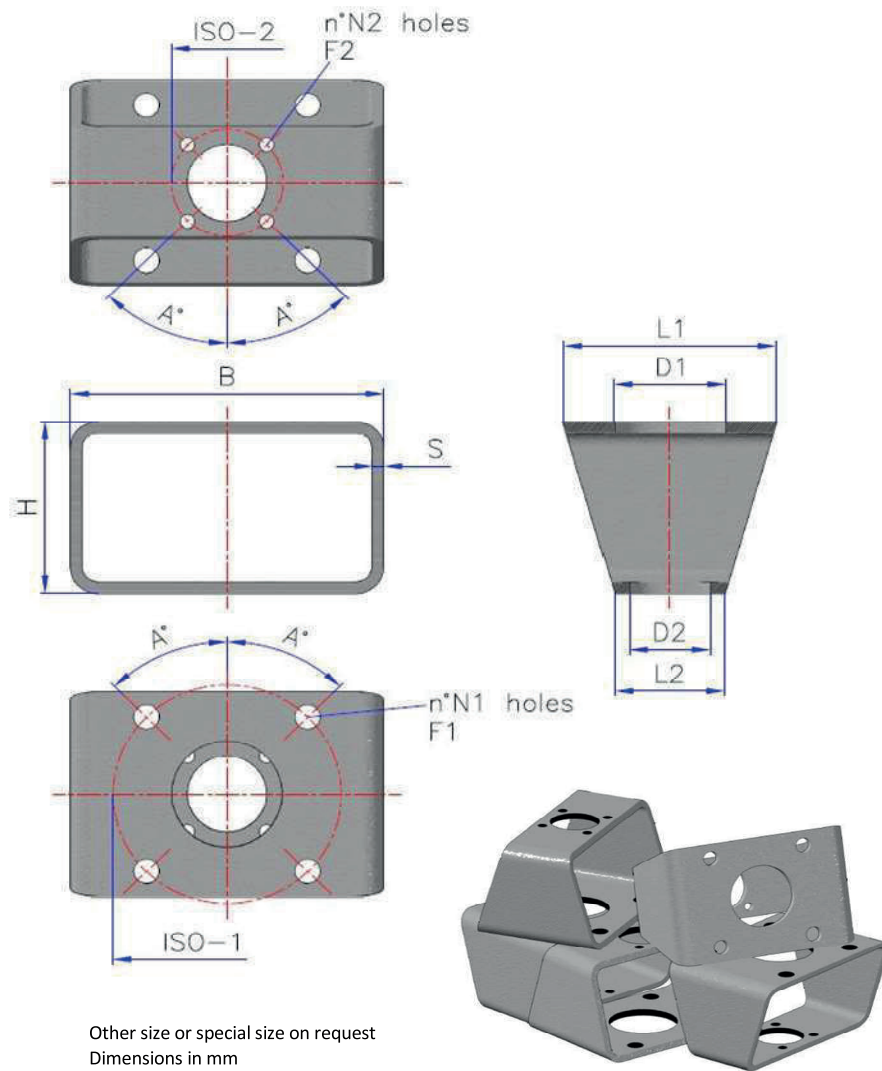
MODEL TYPE	B	H	S (FE)	S (316)	ISO-2	L2	D2	N2	F2	ISO-1	L1	D1	N1	F1
F03/F03	80	40	4	3	36	36	25	4	5.5	36	36	25	4	5.5
F03/F04	100	60	5	4	36	36	25	4	5.5	42	42	30	4	5.5
F03/F05	100	60	5	4	36	36	25	4	5.5	50	50	35	4	6.5
F03/F07	100	60	5	4	36	36	25	4	5.5	70	70	55	4	9
F03/F10	140	80	6	5	36	36	25	4	5.5	102	90	70	4	11
F04/F04	100	60	5	4	42	42	30	4	5.5	42	42	30	4	5.5
F04/F05	100	60	5	4	42	42	30	4	5.5	50	50	35	4	6.5
F04/F07	100	60	5	4	42	42	30	4	5.5	70	70	55	4	9
F04/F10	140	80	6	5	42	42	30	4	5.5	102	90	70	4	11
F05/F05	100	60	5	4	50	50	35	4	6.5	50	50	35	4	6.5
F05/F07	100	60	5	4	50	50	35	4	6.5	70	70	55	4	9
F05/F10	140	80	6	5	50	50	35	4	6.5	102	90	70	4	11
F05/F12	140	80	6	5	50	50	35	4	6.5	125	110	85	4	13
F07/F07	100	60	5	4	70	70	55	4	9	70	70	55	4	9
F07/F10	140	80	6	5	70	70	55	4	9	102	90	70	4	11
F07/F12	140	80	6	5	70	70	55	4	9	125	110	85	4	13
F07/F14	160	90	6	5	70	70	55	4	9	140	135	100	4	17
F10/F10	140	80	6	5	102	90	70	4	11	102	90	70	4	11
F10/F12	140	80	6	5	102	90	70	4	11	125	110	85	4	13
F10/F14	160	90	6	5	102	90	70	4	11	140	135	100	4	17
F10/F16	220	120	10	8	102	90	70	4	11	165	160	130	4	22
F12/F12	140	80	6	5	125	110	85	4	13	125	110	85	4	13
F12/F14	160	90	6	5	125	110	85	4	13	140	135	100	4	17
F12/F16	220	120	10	8	125	110	85	4	13	165	160	130	4	22
F14/F14	160	90	6	5	140	135	100	4	17	140	135	100	4	17
F14/F16	220	120	10	8	140	135	100	4	17	165	160	130	4	22
F14/F25	350	150	10	8	140	135	100	4	17	254	300	200	8	17
F16/F16	220	120	10	8	165	160	130	4	22	165	160	130	4	22
F16/F25	350	150	10	8	165	160	130	4	22	254	300	200	8	17
F25/F25	350	150	10	8	254	300	200	8	17	254	300	200	8	17
F25/F30	350	150	10	8	254	300	200	8	17	298	350	230	8	22
F30/F30	350	150	10	8	298	300	230	8	22	298	350	230	8	22

MATERIALS

S235JR (FE360) - S355J2 (FE510) GALVANIZED

1.4401 (AISI 316)

TYPE	A°
F03 to F16	45°
F25 to F30	22.5°





Multivoltaje total
all voltages

ELETRIC POWER

ACTUADORES ELÉCRICOS ELETRIC ACTUATORS



20Nm
V
300Nm

IP67

75%
Duty rating

Electronic
Torque
Limiter

Automatic
Temperature
Control

Battery
System
Returns

Digital
Positioner
System





TECNOLOGÍA BRUSHLESS BRUSHLESS TECHNOLOGY

multivoltaje total, incorporamos a nuestra gama de actuadores eléctricos, la cual introduce por primera vez, el **motor brushless**.
El **motor brushless**

mos la **gama completa** desde **24VAC/VDC a 240VAC/VDC** indistintamente.

prolongar la vida de nuestros actuadores. Lanza-
B trabajan a **12VAC/VDC** **S**

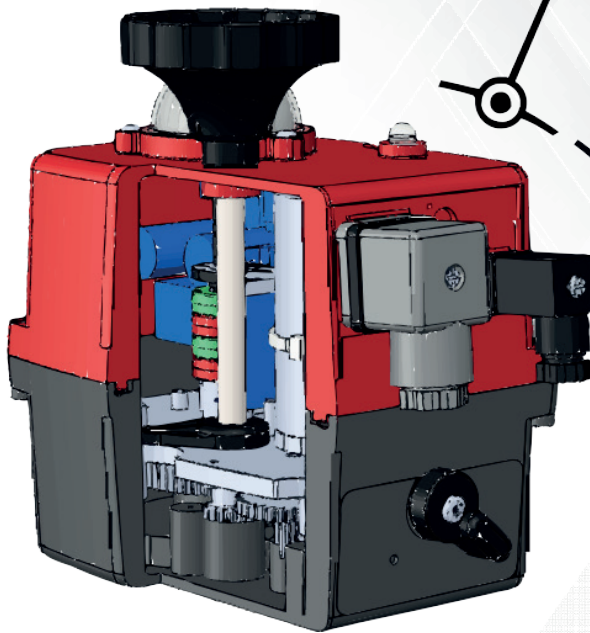
protocolo **MODBUS** **BLUETOOTH**. Dichos sistemas de comunicación aparecen como “**opciones de fábrica**” en nuestro catálogo.

total multivoltage actuators, we would like to introduce, in our range of electric actuators, the **series** **brushless motor**.

enlarge our actuators life. We are launching a **complete range** of torques, from 20Nm to 300Nm, which **B** models work at **12AC/VDC** and **S** models do the same from **24VAC/VDC to 240VAC/VDC**.

the **MODBUS** protocol or via **BLUETOOTH** **factory options**” in our catalogue.

fac-



VCO Control visual operación
Visual control of operation

AVS Alimentación eléctrica

VFC Contactos auxiliares
Volt free contact plug

MDL Palanca automático/manual
Automatic/manual declutching

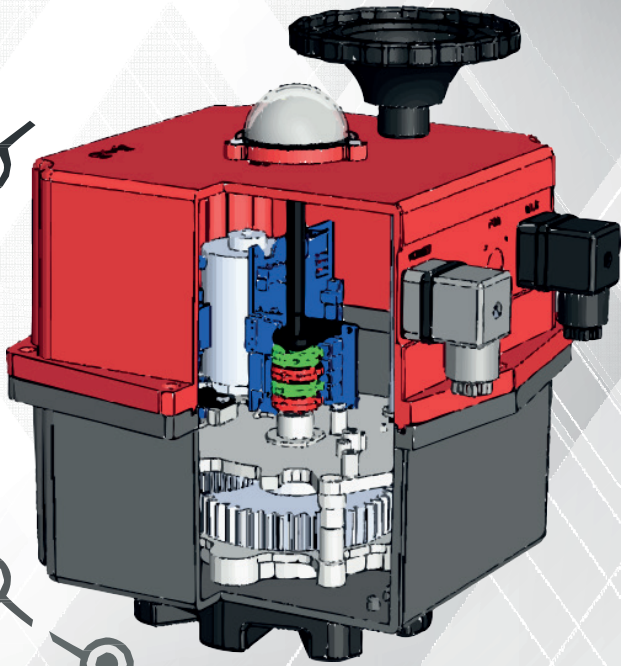
EMO Mando manual de emergencia

VPI Indicador visual de posición 360°
360° Visual position indicator

ETL Limitador electrónico de par
Electronic torque limiter

ATC Control automático de temperatura interna
Automatic indoor temperature control

AVS PCB
Electrónica partida
Fuente alimentación + Control
Split PCB



Opcional: Conector INTERFACE
Optional: INTERFACE plug



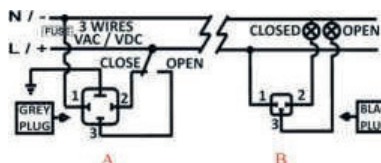
ESPECIFICACIONES/SPECIFICATIONS

Série/Series	Modelo/Model	Voltaje/Voltage	Série/Series	Modelo/Model	Voltaje/Voltage	
S20 S35 S55 S85 S140 S300		24 to 240 VDC/VAC 50/60Hz -0/+5%	B20 B35 B55 B85 B140 B300		12 VDC/VAC 50/60Hz -0/+5%	
Série Modelo/Series Model	S20/B20	S35/B35	S55/B55	S85/B85	S140/B140	S300/B300
Tiempo maniobra sin carga/Operation time unload	10 Sec./90°	10 Sec./90°	13 Sec./90°	29 Sec./90°	25 Sec./90°	48 Sec./90°
Par máximo arranque/Maximum torque break	25 Nm/221 lb/in	38 Nm/359,3 lb/in	60 Nm/530 lb/in	90 Nm/796,3 lb/in	170 Nm/1504,5 lb/in	350 Nm/3097,5 lb/in
Par máximo operacional/Maximum operational torque	20 Nm/177 lb/in	35 Nm/309 lb/in	55 Nm/486 lb/in	85 Nm/752 lb/in	140 Nm/1239 lb/in	300 Nm/2655 lb/in
Tiempo bajo tensión/	75%	75%	75%	75%	75%	75%
Ángulo máximo de maniobra/Max. working angle	0°-270°	0°-270°	0°-270°	0°-270°	0°-270°	0°-270°
Limit switch	4 SPST NO micro (2 motor	4 SPST NO micro (2 motor	4 SPST NO micro (2 motor	4 SPST NO micro (2 motor	4 SPST NO micro (2 motor	4 SPST NO micro (2 motor
Resistencia calefactora/Automatic heater	3.5 W	3.5 W	3.5 W	3.5 W	3.5 W	3.5 W
Conector grande/Big Plug	EN1 75301-803 FORM A	EN1 75301-803 FORM A	EN1 75301-803 FORM A	EN1 75301-803 FORM A	EN1 75301-803 FORM A	EN1 75301-803 FORM A
Conector pequeño/Small Plug	DIN43650/C	DIN43650/C	DIN43650/C	DIN43650/C	DIN43650/C	DIN43650/C
Grado protección IEC 60529/Protection IEC 60529	IP67	IP67	IP67	IP67	IP67	IP67
Temperatura/Temperature	-20°C +70°C -4°F +158°F	-20°C +70°C -4°F +158°F	-20°C +70°C -4°F +158°F	-20°C +70°C -4°F +158°F	-20°C +70°C -4°F +158°F	-20°C +70°C -4°F +158°F
Brida ISO 5211/ISO 5211 Plate	Standard: F03/F04/F05 Optional: F07 *17mm	Standard: F03/F04/F05 Optional: F07 *17mm	F05/F07	F05/F07	Standard: F07/F10 Optional: F12	Standard: F07/F10 Optional: F12
Salida doble cuadrado DIN 3337/ DIN 3337 Female output drive	Standard: *14mm Optional: *9, *11mm	Standard: *14mm Optional: *9, *11mm	Standard: *17mm Optional: *11, *14mm	Standard: *17mm Optional: *14mm	Standard: *22mm Optional: *17mm	Standard: *22mm Optional: *17mm
Peso/Weight	1,8 kg	1,9 kg	2,4 kg	3 kg	5,2 kg	5,2 kg
KIT DPS Posicionador digital KIT DPS Digital positioner	4-20, 0-20mA, 0-10V or 1-10V	4-20, 0-20mA, 0-10V or 1-10V	4-20, 0-20mA, 0-10V or 1-10V	4-20, 0-20mA, 0-10V or 1-10V	4-20, 0-20mA, 0-10V or 1-10V	4-20, 0-20mA, 0-10V or 1-10V
	NC - NO	NC - NO	NC - NO	NC - NO	NC - NO	NC - NO
Potenciometro digital/Digital potentiometer	IP67	1K, 5K, 10K	1K, 5K, 10K	1K, 5K, 10K	1K, 5K, 10K	1K, 5K, 10K
Actuador con 3 posiciones/3 Position actuator	0°-45°-90° 0°-90°-180°	0°-45°-90° 0°-90°-180°	0°-45°-90° 0°-90°-180°	0°-45°-90° 0°-90°-180°	0°-45°-90° 0°-90°-180°	0°-45°-90° 0°-90°-180°

TABLA DE CONSUMOS/TABLE OF CONSUMPTIONS

Voltage	S20/B20						S35/B35						S55/B55						S85/B85						S140/B140						S300/B300					
	Unload		Max. Operational Torque 20Nm		Max.Torque Break 25Nm		Unload		Max. Operational Torque 35Nm		Max.Torque Break 38Nm		Unload		Max. Operational Torque 55Nm		Max.Torque Break 60Nm		Unload		Max. Operational Torque 85Nm		Max.Torque Break 90Nm		Unload		Max. Operational Torque 140Nm		Max.Torque Break 170Nm		Unload		Max. Operational Torque 300Nm		Max.Torque Break 350Nm	
	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W	A	W
12 VDC	0.75	9.06	1.80	21.60	1.95	23.36	0.75	9.06	2.38	28.62	2.62	31.50	0.70	8.45	3.04	36.43	3.42	41.05	0.62	7.42	2.11	25.34	2.28	27.32	1.93	23.10	4.73	56.76	5.39	64.68	1.32	15.84	5.17	62.04	5.45	65.34
24 VDC	0.45	10.77	0.90	21.49	0.97	23.39	0.45	10.77	1.28	30.78	1.37	32.79	0.42	10.19	1.55	37.17	1.63	39.02	0.36	8.55	1.08	25.87	1.22	29.30	0.66	15.84	2.15	51.48	2.53	60.72	0.50	11.88	2.31	55.44	2.70	64.68
48 VDC	0.21	9.93	0.42	20.38	0.46	22.07	0.21	9.93	0.56	26.72	0.59	28.20	0.20	9.72	0.61	29.25	0.67	32.31	0.17	8.24	0.48	22.92	0.53	25.56	0.30	14.25	0.88	42.24	1.10	52.80	0.22	10.56	1.10	52.80	1.19	57.02
110 VDC	0.07	8.00	0.13	14.30	0.14	15.70	0.07	7.70	0.17	18.90	0.18	20.10	0.07	7.50	0.19	20.80	0.21	23.20	0.05	5.80	0.14	15.20	0.16	17.90	0.10	10.89	0.28	30.25	0.39	42.35	0.09	9.68	0.33	36.30	0.39	42.35
12 VAC	1.04	12.51	1.85	22.18	2.28	27.32	1.04	12.51	2.75	33.00	3.19	38.28	0.94	11.30	3.43	41.18	3.78	45.41	0.81	9.69	2.38	28.51	2.65	31.81	2.75	33.00	6.60	79.20	8.47	101.64	1.98	23.76	7.26	87.12	8.64	103.62
24 VAC	0.59	14.20	1.12	26.77	1.28	30.62	0.59	14.20	1.58	37.80	1.67	40.13	0.58	13.89	1.87	44.88	1.98	47.52	0.50	11.88	1.36	32.74	1.50	36.01	0.83	19.80	2.59	62.04	3.30	79.20	0.66	15.84	2.75	66.00	3.30	79.20
48 VAC	0.34	16.37	0.69	33.16	0.75	36.22	0.34	16.37	0.92	44.04	0.99	47.31	0.33	15.73	1.10	52.80	1.21	58.29	0.25	11.83	0.77	37.07	0.86	41.18	0.48	23.23	1.43	68.64	1.79	86.06	0.36	17.42	1.65	79.20	1.87	89.76
110 VAC	0.14	15.73	0.27	29.52	0.30	32.67	0.14	15.73	0.36	39.45	0.38	41.87	0.14	15.73	0.40	43.80	0.43	46.95	0.12	12.83	0.31	33.64	0.33	36.54	0.23	25.41	0.63	68.97	0.72	78.65	0.19	20.57	0.66	72.60	0.77	84.70
240 VAC	0.10	23.76	0.15	36.43	0.16	39.07	0.10	23.76	0.19	45.41	0.20	47.52	0.09	22.70	0.20	47.52	0.21	50.16	0.08	20.06	0.17	40.13	0.18	42.77	0.18	42.24	0.39	92.40	0.44	105.60	0.15	36.96	0.42	100.32	0.47	113.52

ESQUEMA EXTERNO DE CONEXIONES/EXTERNAL WIRING

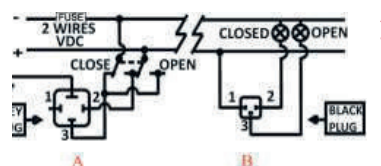


ABRE - CIERRA 3 CABLES/3 WIRES ON - OFF
Power supplu plug

A
A
A
B

Close
Open

Volt free contact, plug
Close
Open

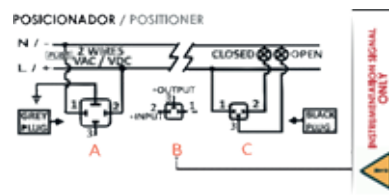


ABRE - CIERRA 2 CABLES/2 WIRES ON - OFF
Power supplu plug

A
A
A
B

Close
Open

Volt free contact, plug
Close
Open



POSICIONADOR / POSITIONER

A
A
A
A
B
B
C

Power supplu plug

Alimentación eléctrica/Power supplu plug

Alimentación eléctrica/Power supplu plug

Instrumentation Signal
Input signal: 4/20mA or 0/10V

Input signal
Input signal

Volt free contact plug
Close
Open

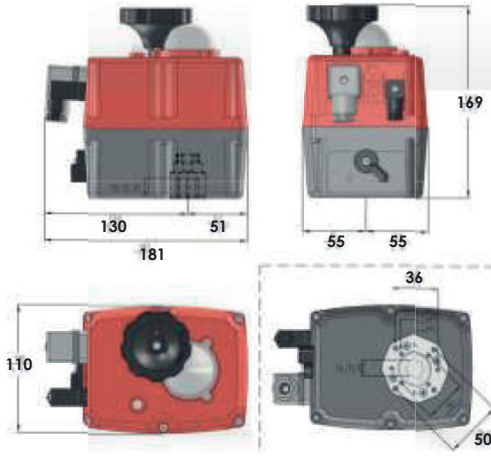
su aplicación será de acuerdo con las condiciones de trabajo que excedan de las el distribuidor. CAM SERVICE SRL no se responsabiliza de o fuera de normas para las que el actuador ha sido diseñado. Para el cálculo del actuador a aplicar de acuerdo con el par de la válvula, tener en cuenta siempre que debe nominal de la válvula.

actuador are nominal and it is understood that its application will be in accordance and working conditions that exceed the the distributor.

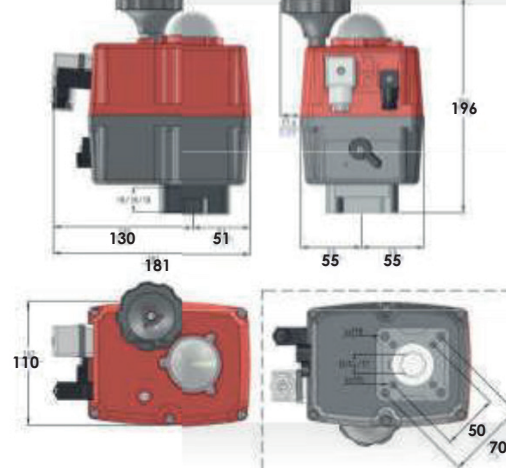
harm resulting from the misapplication or outside norms for which the actuator has been designed. For the correct calculation of the

nominal torque of the valve.

F3 - F5 - F4



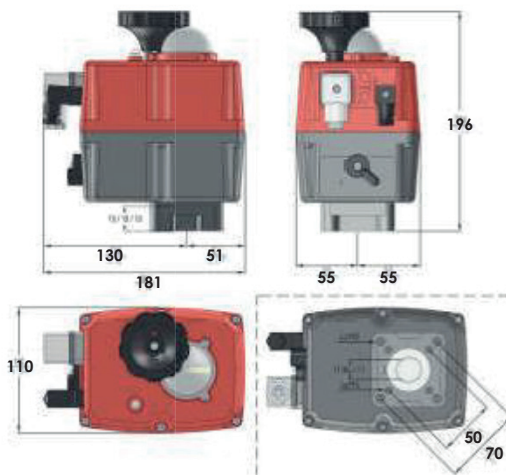
F5 - F7



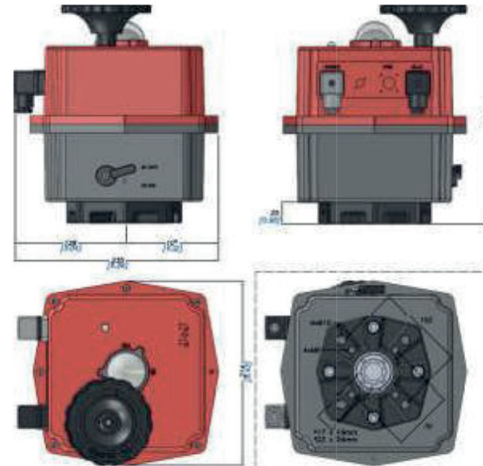
20/35

85

F5 - F7



F07 - F010



55

140/300

OPCIONES DE FÁBRICA/FACORY OPTIONS

- Posicionador digital **DPS**: 4-20mA, 0-10V o 1-10V/**DPS** digital positioner: 4-20mA, 0-10V or 1-10V
- Sistema **BRS**
- Potenciómetro digital: 1K, 5K o 10K/Digital potentiometer: 1K, 5K or 10K
- Actuador con 3 posiciones: 0°-45°-90° o 0°-90°-180°/3 position actuator: 0°-45°-90° or 0°-90°-180°
- Conector Interface/Interface plug



- Comunicación Bluetooth/ Bluetooth module
- Para otras opciones, consultar/Other options on request



Interface System

A través del cable del KIT INTERFACE establecemos comunicación con actuador.

Using the INTERFACE KIT cable we communicate with the actuator,



Battery System Returns

Sistema BSR para nuestros modelos desde 20Nm a 85Nm. Se trata de

El mismo sistema BSR se ha desarrollado para nuestros modelos de



Digital Positioner System 20-85

Posicionador digital para nuestros modelos desde 20Nm a 85Nm. Señal de instrumentación 4-20mA, 0-20mA, 0-10V o 1-10V.

Digital positioner for our models from 20Nm to 85Nm. Instrumentation signal 4-20mA, 0-20mA, 0-10V or 1-10V signal. This DPS digital positioner is suitable for S and B models.



Digital Positioner System 140-300

Señal de instrumentación 4-20mA, 0-20mA, 0-10V o 1-10V.

Digital positioner for our models from 140Nm and 300Nm. Instrumentation signal 4-20mA, 0-20mA, 0-10V or 1-10V signal. This DPS digital positioner is suitable for S and B models.

INFOGRAPHIC BLUETOOTH TECHNOLOGY



Hemos incorporado el sistema de comunicación BLUETOOTH, para poder comunicarnos con nuestros actuadores, desde cualquier dispositivo IOS o ANDROID. Dicho sistema aparece como una opción de fábrica en nuestro catálogo.

Desde nuestro móvil o tablet podemos ordenar al actuador que abra/cierre o se pare en un punto, podemos informarnos de su estado actual, leer parámetros, conocer errores o incidencias, etc.

La comunicación con nuestros dispositivos permanece protegida con una contraseña.

Via BLUETOOTH detectamos hasta un máximo de 50 actuadores a una distancia máxima de 20 cm.

We have introduced the BLUETOOTH commu-

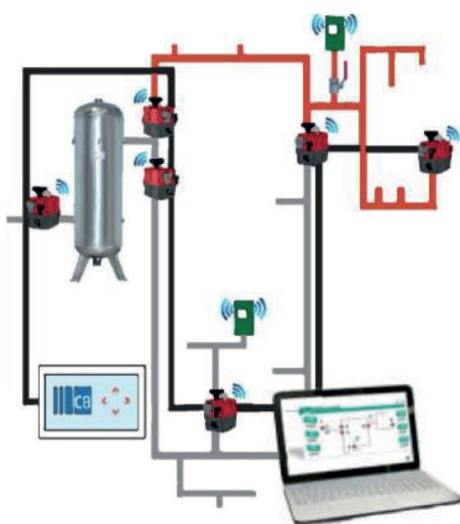
From our mobile phone or tablet we could order our actuator to open/close or stop, we could be informed about its status, read parameters, know about errors or incidences, etc.

The communication between our devices is

nicate with up to 50 devices within a max distance of 20m.



MODBUS TECHNOLOGY



Sectorización MODBUS

- Se puede actuar manualmente sobre el equipo.
- Visible desde el cuadro de control, tablet, móvil,

- Alcance hasta 1.200 m.

nicarlos con cable de datos.
- Puede nombrar equipos, hacer un sinóptico de planta, mandar mails de alarma.

Sectorización INALÁMBRICA

- Se puede actuar manualmente sobre el equipo.
- Visible desde el cuadro de control, tablet, móvil,

- Desde 50 m hasta 1.600 m sin repetidores.

creando una malla de comunicación, que permite evitar obstáculos como paredes o interferencias.

- Bajo el protocolo 802. 15. 4
- Hasta 12 bandas de comunicación, con la posibilidad de cambio de banda en caso de saturación.

MODBUS system

- Could be seen from the control panel, tablet, mobile, PC, either inside or outside of the plant.

- Up to 1.200 m distance range.

with a data cable.

send alarm mails.

Wireless system

- Could be seen from the control panel, tablet, mobile, PC, either inside or outside of the plant.

- From 50 m up to 1.600 m distance range without repeaters.

- Each device is emitting and receiving at the same time, creating a communication mesh, wich enables the device to avoid walls or interfaces.

- Under 802.15.4 protocol.

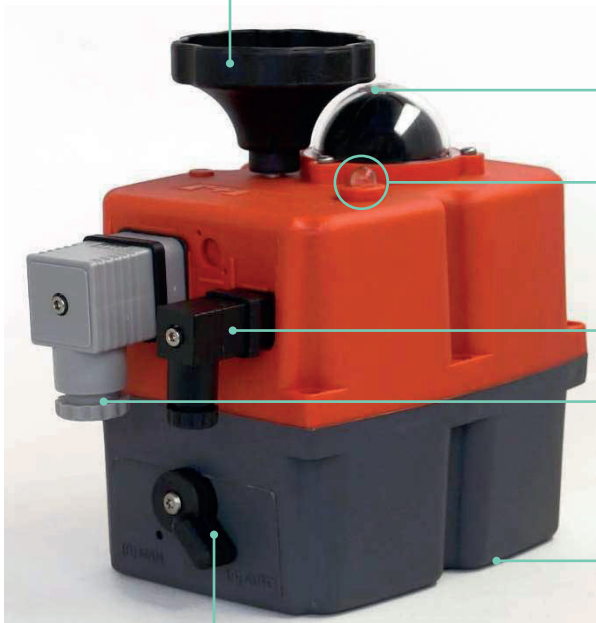
- Up to 12 bands of communication, wich allow a change of band in case of saturation.

CERTIFICACIONES/CERTIFICATIONS

	ENSAYOS/TESTS	NORMAS/STANDARD	DIRECTIVAS/DIRECTIVES
CE	Seguridad Eléctrica -	2014/35/UE (LVD) Low Voltage Directive	UNE-EN 60204-1:2007 + Corr:2010
	Compatibilidad Electromagnética.Emisiones	2014/30/UE (E.M.C.)	UNE-EN 61000-6-2:2006 + E:2009
	Compatibilidad Electromagnética.Immunidad		UNE-EN 61000-6-4:2007 + E:2008 + /A1:2011
	Declaración Original de Incorporación para Cuasi Máquinas	2006/42/CE	Articles: 1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.6, 1.3.1, 1.3.7, 1.5.1, 1.6.3, 1.7.1, 1.7.3, 1.7.4
IP57	Grados de protección proporcionados por las envolventes	IEC 60 529:2001 (Ed.:2.1) UNE 20324:1993 + 1M:2000 + ERR:2004	
	Vibration test	UNE-EN 60068-2-6:2008	UNE-EN 60068-2-6:2008

ACTUATOR PART LIST

MANUAL OVERRIDE



POSITION INDICATOR

VISUAL

VOLT FREE CONTACT PLUG

POWER SUPPLY PLUG

ISO MULTIFLANGE

AUTOMATIC-MANUAL LEVEL

Models

S140, S300, B140 e B300

POSITION INDICATOR

MANUAL OVERRIDE

VISUAL CONTROL OF OPERATION

VOLT FREE CONTACT PLUG

POWER SUPPLY PLUG

AUTOMATIC-MANUAL LEVER

ISO MULTIFLANGE



READ THESE INSTRUCTIONS BEFORE CONNECTING THE ACTUATOR. DAMAGE CAUSED BY NON COMPLIANCE OF THESE INSTRUCTIONS IS NOT COVERED BY OUR WARRANTY.

1-VOLTAGE TO BE CONNECTED

2 - ELECTRICAL CONNECTORS

Warning: before connecting ensure that the voltage to be applied to the actuators is within the the actuator are DIN plugs. Ensure the diameter of cable to be used conforms to the maximum and minimum requirements of the DIN plugs to maintain water tightness **(fig. 1)**.

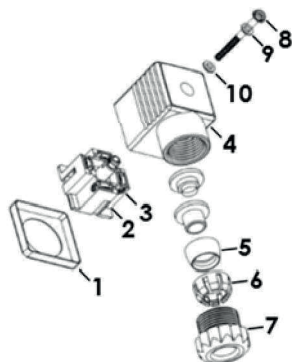
CONNECTOR	SMALL BLACK		BIG GREY OR BLACK	
	DIN43650/C		EN175301-803 FORM A	
MODEL	min Ø	máx. Ø	min Ø	máx. Ø
J4C 20 a 300	5 mm	6 mm	8 mm	10.5 mm

(fig. 1)

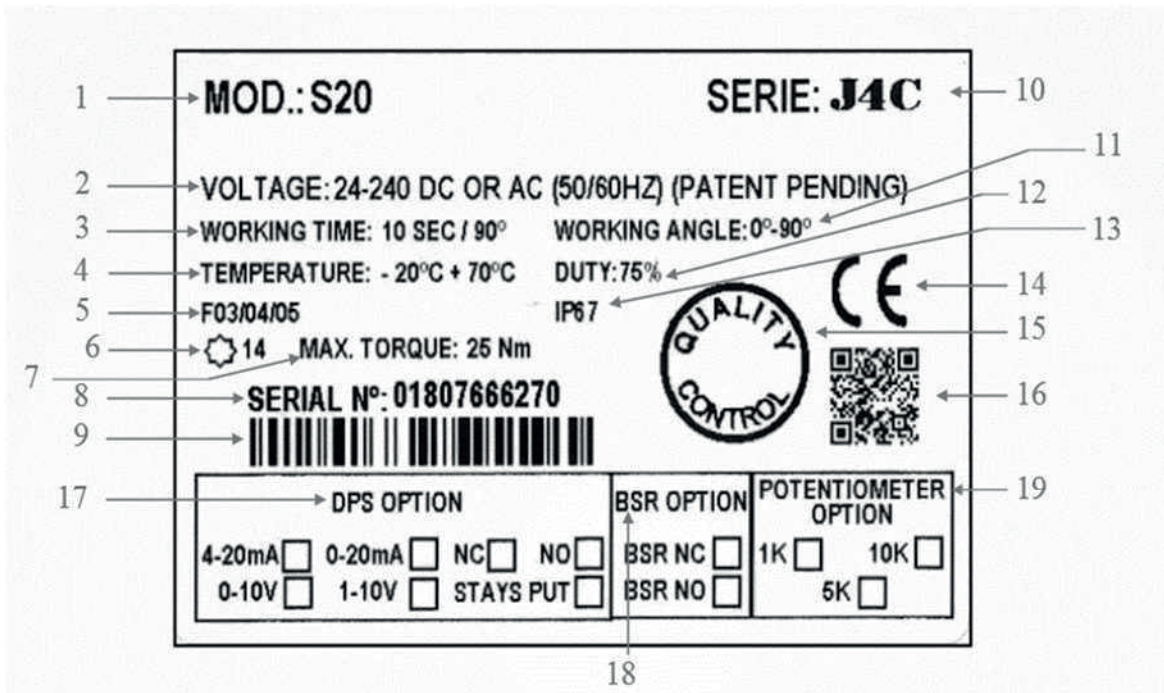
Warning:

housing with a screw. Do not over tight the screw **(8)** when assembling (Max. 0.5Nm).

- 1 Gasket
- 2 Terminal strip
- 4 Housing
- 5 Washer
- 6 Grommet
- 7 Gland-nut
- 8 Fixing screw
- 9 Washer
- 10 Gasket



3 - ID ACTUATOR LABEL

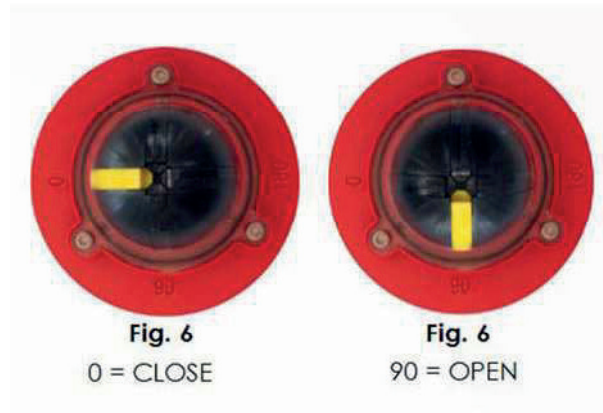


- 1 Actuator model
- 2 Voltage to be connected
- 3 Time the actuator need to run to the indicated degrees
- 4
- 5
- 6 Female output drive size, following DIN3337
- 7 Maximum torque break
- 8 Actuator serial number
- 9 Bar code of the serial number
- 10 Actuator series
- 12 Working angle
- 13
- 14 Actuator with the IP67 protection
- 15
- 16
- 17 DPS options
- 18 BSR options
- 19 Potentiometer options

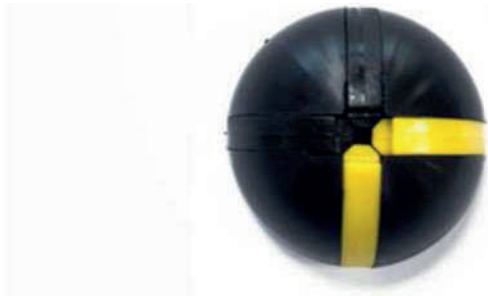
4 - LOCAL VISUAL POSITION INDICATOR

All **J4C** actuators are supplied with a local visual position indicator comprises a black

the position and direction of rotation (**Fig.6**)
 The open and close positions have the following logos molded into the top cover
 OPEN 90 and CLOSE 0.



OTHER OPTIONS LOCAL VISUAL POSITION INDICATOR



TWO YELLOW INDICATORS:
L port.



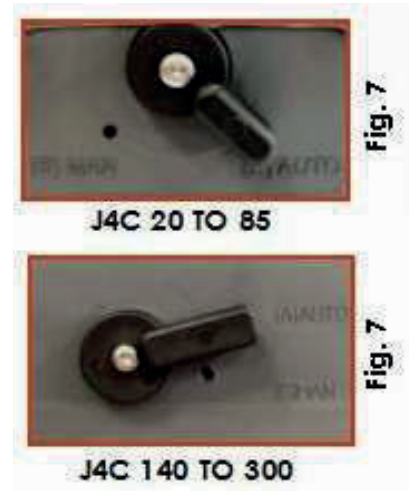
TWO YELLOW INDICATORS:
T port.

5 - EMERGENCY MANUAL OVERRIDE FACILITY

The **J4C** lever on the lower half of the actuator housing (**fig. 7**).

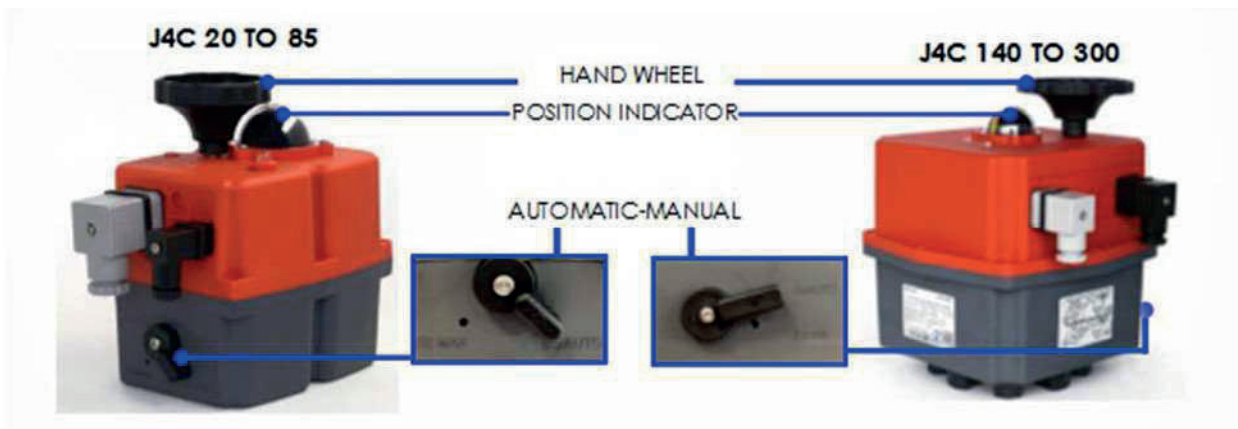
The 2 positions are marked:
AUTO = Automatic operation
MAN = Manual operation

Warning: Do not remove the selector lever securing screw, as this will allow its internal mechanism to become loose and will cause irreparable damage to the actuator's gearbox.



When “**AUTO**” position is selected:

it, otherwise the actuator could suffer unreparable damages.

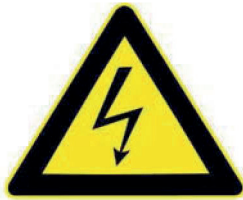


When “**MAN**” function is selected:

few minutes.

2. The mechanical connection between the motor and the output shaft is disconnected.
- 3.

a) With the actuator in “**MAN**” function, turn the hand wheel to one of the end positions (open or close). If the end position switch is activated the motor stops. Now change the

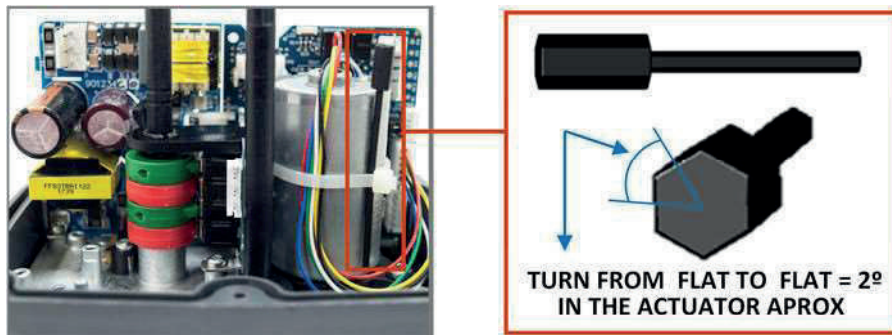


¡WARNING! RISK OF ELECTRIC SHOCK INSIDE THE ACTUATOR. AUTHORIZED PERSONNEL ONLY.

ried out with special insulated tools.

How to do it: Tolling: One special plastic wrench (is supplied together with the actuator). The

To move the cams, introduce the special plastic wrench in the hole of the cam and turn it round (see both options on the enclosed pictures).



POSITION CF THE CAM

CAM

- 4
- 3
- 2
- 1



Cams 1 and 3



Cams 2 and 4

- 1) Cam 1 is to adjust the close position
- 2) Cam 2 is to adjust the open position
- 3) Cam 3 is to adjust the close position confirmation

cams (3 & 4) 3° (+/-1°) before the motor stop.



1. To adjust the close position at less than 0°

Turn the wrench to clockwise direction - cams 1 and 3.
The cam 3 should press the lever of the micro switch a bit earlier than the cam 1.



2. To adjust the close position at more than 0°

Turn the wrench to anti-clockwise direction - cams 1 and 3.
The cam 3 should press the lever of the micro switch a bit earlier than the cam 1.



3. To adjust the open position to more than 90°

Turn the wrench to anti-clockwise direction - cams 2 and 4.
The cam 4 should press the lever of the micro switch a bit earlier than the cam 2.



4. To adjust the open position to less than 90°

Turn the wrench to clockwise direction - cams 2 and 4.
The cam 4 should press the lever of the micro switch a bit earlier than the cam 2.



TABLE OF CONSUMPTIONS

J4C 20 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE 20Nm		MAX. TORQUE BREAK 25Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B20	0,75	9,06	1,80	21,60	1,95	23,36
24 VDC	S20	0,45	10,77	0,90	21,49	0,97	23,39
48 VDC	S20	0,21	9,93	0,42	20,38	0,46	22,07
110 VDC	S20	0,07	8,00	0,13	14,30	0,14	15,70
12 VAC	B20	1,04	12,51	1,85	22,18	2,28	27,32
24 VAC	S20	0,59	14,20	1,12	26,77	1,28	30,62
48 VAC	S20	0,34	16,37	0,69	33,16	0,75	36,22
110 VAC	S20	0,14	15,73	0,27	29,52	0,30	32,67
240 VAC	S20	0,10	23,76	0,15	36,43	0,16	39,07

J4C 35 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE 35Nm		MAX. TORQUE BREAK 38Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B20	0,75	9,06	2,38	28,62	2,62	31,50
24 VDC	S20	0,45	10,77	1,28	30,78	1,37	32,79
48 VDC	S20	0,21	9,93	0,56	26,72	0,59	28,20
110 VDC	S20	0,07	7,70	0,17	18,90	0,18	20,10
12 VAC	B20	1,04	12,51	2,75	33,00	3,19	38,28
24 VAC	S20	0,59	14,20	1,58	37,80	1,67	40,13
48 VAC	S20	0,34	16,37	0,92	44,04	0,99	47,31
110 VAC	S20	0,14	15,73	0,36	39,45	0,38	41,87
240 VAC	S20	0,10	23,76	0,19	45,41	0,20	47,52

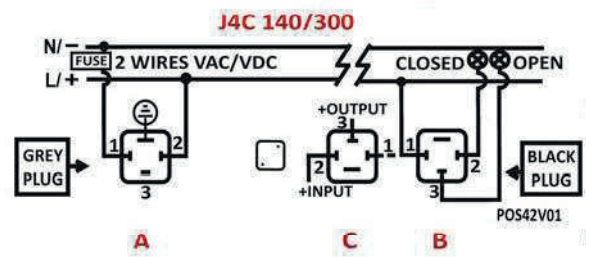
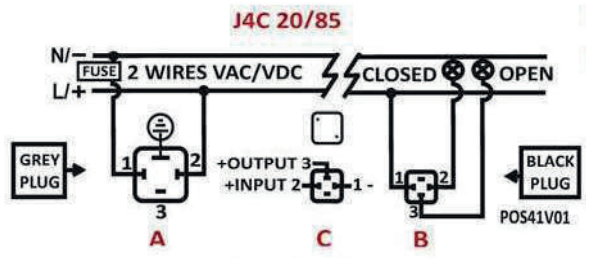
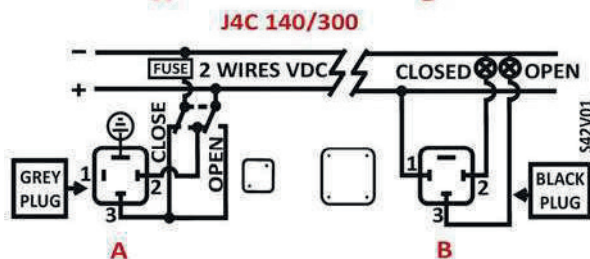
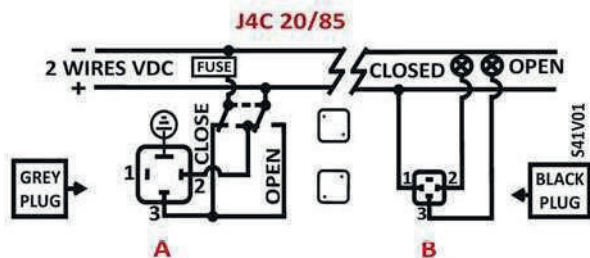
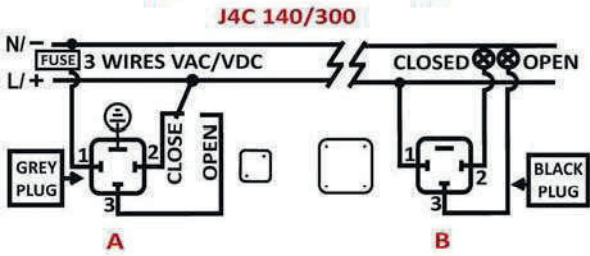
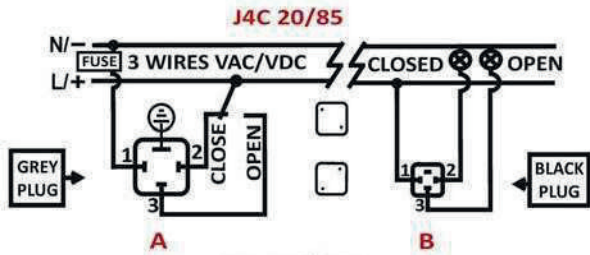
J4C 55 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE 55Nm		MAX. TORQUE BREAK 60Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B20	0,70	8,45	3,04	36,43	3,42	41,05
24 VDC	S20	0,42	10,19	1,55	37,17	1,63	39,02
48 VDC	S20	0,20	9,72	0,61	29,25	0,67	32,31
110 VDC	S20	0,07	7,50	0,19	20,80	0,21	23,20
12 VAC	B20	0,94	11,30	3,43	41,18	3,78	45,41
24 VAC	S20	0,58	13,89	1,87	44,88	1,98	47,52
48 VAC	S20	0,33	15,73	1,10	52,80	1,21	58,29
110 VAC	S20	0,14	15,73	0,40	43,80	0,43	46,95
240 VAC	S20	0,09	22,70	0,20	47,52	0,21	50,16

J4C 85 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE -85Nm		MAX. TORQUE BREAK -90Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B20	0,62	7,42	2,11	25,34	2,28	27,32
24 VDC	S20	0,36	8,55	1,08	25,87	1,22	29,30
48 VDC	S20	0,17	8,24	0,48	22,92	0,53	25,56
110 VDC	S20	0,05	5,80	0,14	15,20	0,16	17,90
12 VAC	B20	0,81	9,69	2,38	28,51	2,65	31,81
24 VAC	S20	0,50	11,88	1,36	32,74	1,50	36,01
48 VAC	S20	0,25	11,83	0,77	37,07	0,86	41,18
110 VAC	S20	0,12	12,83	0,31	33,64	0,33	36,54
240 VAC	S20	0,08	20,06	0,17	40,13	0,18	42,77

J4C 140 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE 140Nm		MAX. TORQUE BREAK 170Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B140	1,93	23,10	4,73	56,76	5,39	64,68
24 VDC	S140	0,66	15,84	2,15	51,48	2,53	60,72
48 VDC	S140	0,30	14,25	0,88	42,24	1,10	52,80
110 VDC	S140	0,10	10,89	0,28	30,25	0,39	42,35
12 VAC	B140	2,75	33,00	6,60	79,20	8,47	101,64
24 VAC	S140	0,83	19,80	2,59	62,04	3,30	79,20
48 VAC	S140	0,48	23,23	1,43	68,64	1,79	86,06
110 VAC	S140	0,23	25,41	0,63	68,97	0,72	78,65
240 VAC	S140	0,18	42,24	0,39	90,40	0,44	105,60

J4C 300 CONSUMPTION		UNLOAD		MAX. OPERATIONAL TORQUE 300Nm		MAX. TORQUE BREAK 350Nm	
Voltage	Model	A	W	A	W	A	W
12 VDC	B300	1,32	15,84	5,17	62,04	5,45	65,34
24 VDC	S300	0,50	11,88	2,31	55,44	2,70	64,68
48 VDC	S300	0,22	10,56	1,10	52,80	1,19	57,02
110 VDC	S300	0,09	9,68	0,33	36,30	0,39	42,35
12 VAC	B300	1,98	23,76	7,26	87,12	8,64	103,62
24 VAC	S300	0,66	15,84	2,75	66,00	3,30	79,20
48 VAC	S300	0,36	17,42	1,65	79,20	1,87	89,76
110 VAC	S300	0,19	20,57	0,66	72,60	0,77	84,70
240 VAC	S300	0,15	36,96	0,42	100,32	0,47	113,52

EXTERNAL CONNECTING DIAGRAM



3 WIRES ON - OFF

A

A:

A:

B

2 WIRES ON - OFF

A

A:

B

POSITIONER

A

A:

A:

B

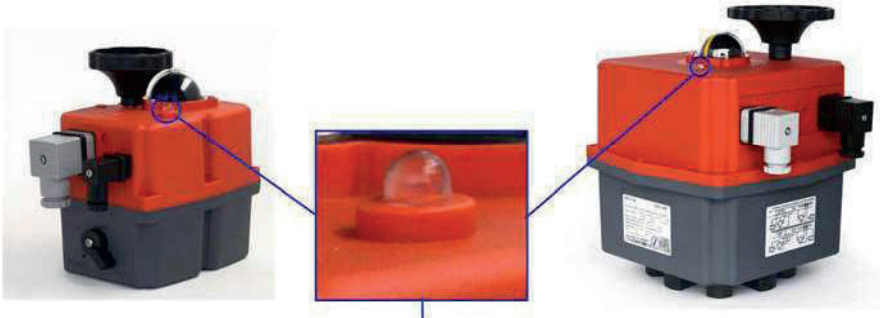
C

C: Input signal : 4/20mA of 0/10V



ACTUATOR OPERATIONAL STATUS

The LED light provides visual communication between the actuator and the user.



VISUAL CONTROL OF OPERATION

ON-OFF ACTUATOR	ACTUATOR OPERATIONAL STATUS
WITHOUT POWER SUPPLY	Black
IN OPEN POSITION	Green
IN CLOSE POSITION	Orange
OPENING	Yellow, Green, Orange
CLOSING	Yellow, Orange
TORQUE LIMITER FUNCTION ON, MOVING FROM CLOSE TO OPEN	Green, Black
TORQUE LIMITER FUNCTION ON, MOVING FROM OPEN TO CLOSE	Orange, Black
ACTUATOR IN MANUAL MODE (EXCEEDED TIME)	Yellow, Black
THE ACTUATOR HAS STOPPED (NO CLOSE/NO OPEN POSITION)	Magenta
IN MIDDLE POSITION	Yellow
ACTUATOR WITH BSR	ACTUATOR OPERATIONAL STATUS
WITHOUT POWER SUPPLY	Black
IN OPEN POSITION	Green
IN CLOSE POSITION	Orange
OPENING	Yellow, Green, Orange
CLOSING	Yellow, Orange
TORQUE LIMITER FUNCTION ON, MOVING FROM CLOSE TO OPEN	Green, Black
TORQUE LIMITER FUNCTION ON, MOVING FROM OPEN TO CLOSE	Orange, Black
ACTUATOR IN MANUAL MODE (EXCEEDED TIME)	Yellow, Black
THE ACTUATOR HAS STOPPED (NO CLOSE/NO OPEN POSITION)	Magenta
IN MIDDLE POSITION	Yellow
ACTUATOR WITHOUT POWER, WORKING WITH THE BSR NO SYSTEM. MAX. 3 MIN., (LED OFF)	Green, Black
ACTUATOR WITHOUT POWER, WORKING WITH THE BSR NC SYSTEM. MAX. 3 MIN., (LED OFF)	Orange, Black
BATTERY PROTECTION. DANGER, THE BATTERY NEEDS RECHARGING. BSR BLOCKED.	Yellow, Black

J4C 20 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft:
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S20	B20
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	9 SEC./90°	9 SEC./90°
MAXIMUM TORQUE BREAK	25 Nm/221 lb/in	25 Nm/221 lb/in
MAXIMUM OPERATIONAL TORQUE	20 Nm/177 lb/in	20 Nm/177 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°C +158°F
WEIGHT	1,8 Kg	1,8 Kg

VALVE CONNECTION

ISO 5211 Plate: F03/F04/F05
 DIN 3337 Female output drive: *14 mm

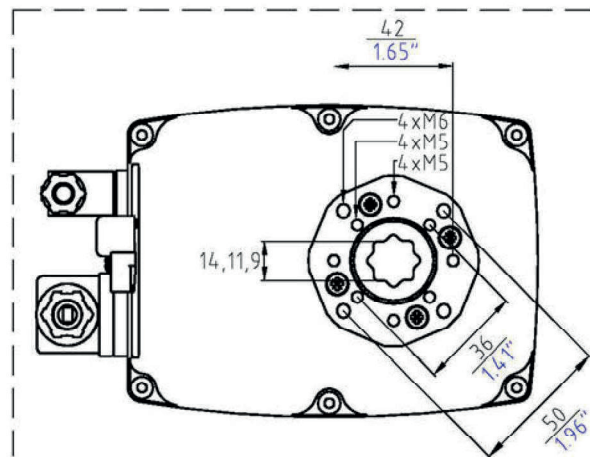
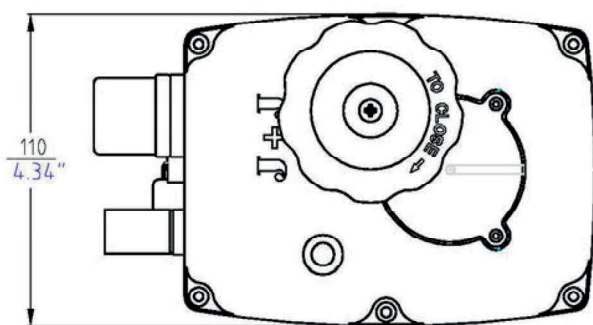
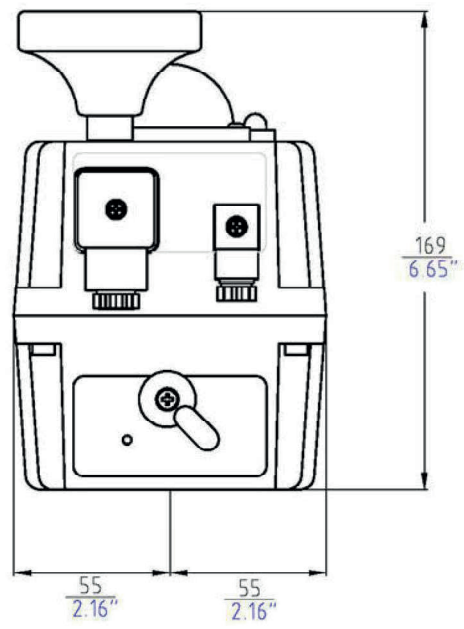
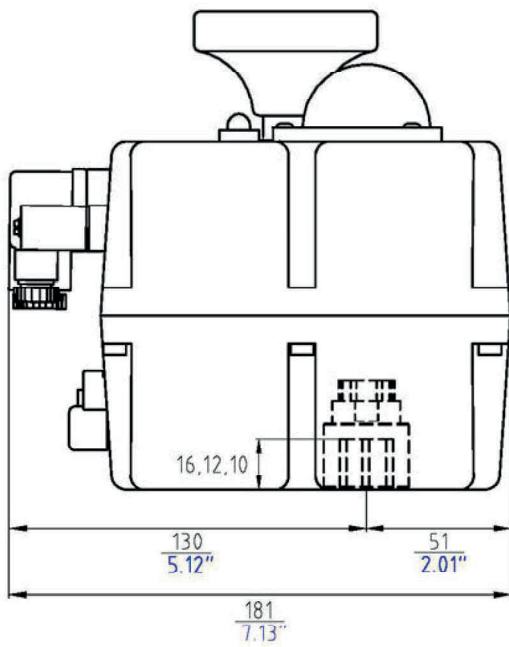
Options:
 DIN 3337 Female output drive: *9 or *11 mm
 F05 to F07 Conversion Kit with *17 mm output



OPTIONS

- J4C 20/85 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V





J4C 35 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft: Stainless steel
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S35	B35
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	9 SEC./90°	9 SEC./90°
MAXIMUM TORQUE BREAK	38 Nm/359,3 lb/in	38 Nm/359,3 lb/in
MAXIMUM OPERATIONAL TORQUE	35 Nm/309 lb/in	35 Nm/309 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°F +158°F
WEIGHT	1,9 Kg	1,9 Kg

VALVE CONNECTION

ISO 5211 Plate: F03/F04/F05
 DIN 3337 Female output drive: *14 mm

Options:
 DIN 3337 Female output drive: *9 or *11 mm
 F05 to F07 Conversion Kit with *17 mm output

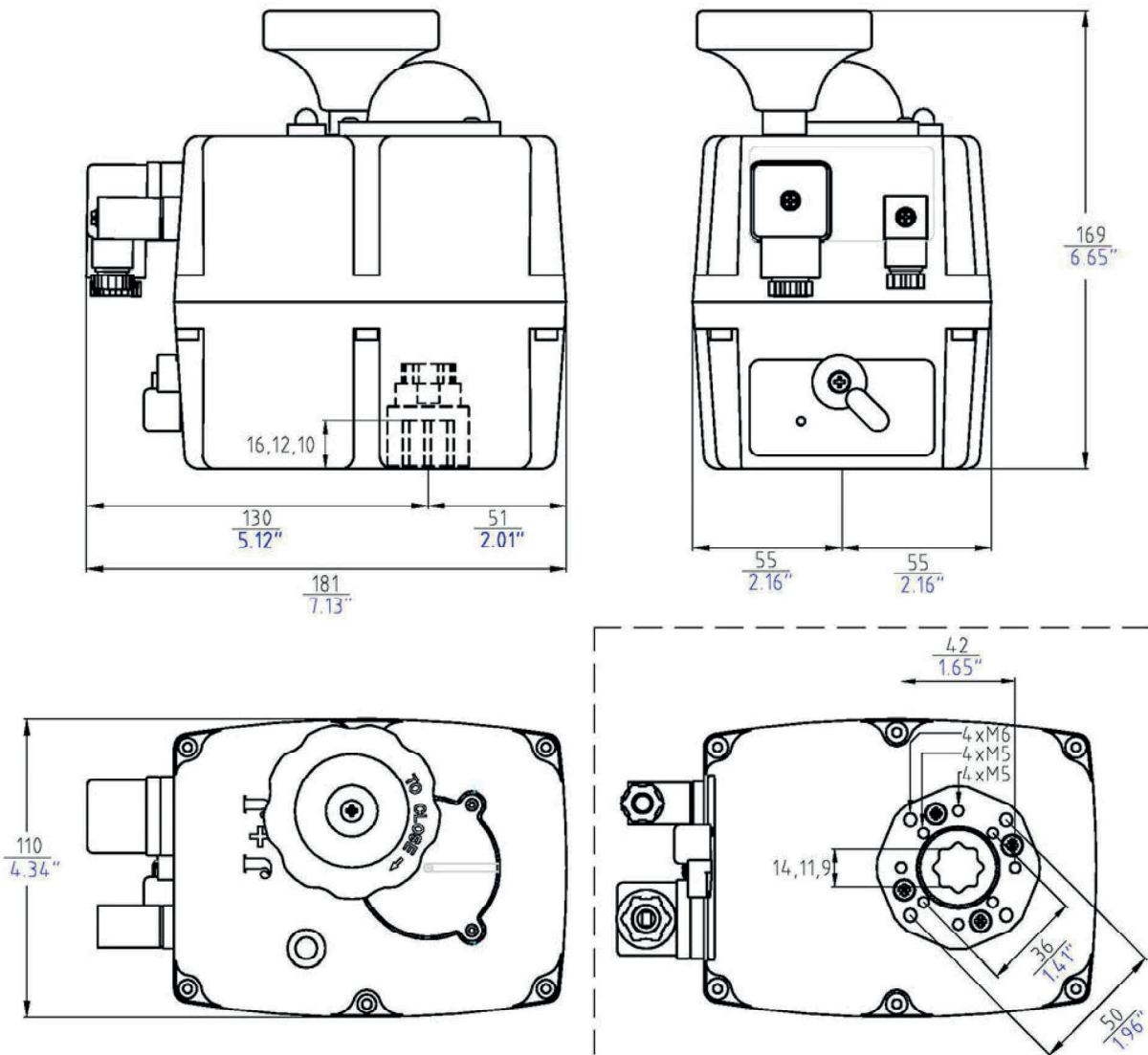


OPTIONS

- J4C 20/85 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V

- Digital potentiometer: 1K, 5K OR 10 K
 - 3 POSITION ACTUATOR: 0°-45°-90°
 OR 0°-90°-180°





J4C 55 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft: Stainless steel
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S55	B55
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	13 SEC./90°	13 SEC./90°
MAXIMUM TORQUE BREAK	60 Nm/530 lb/in	60 Nm/530 lb/in
MAXIMUM OPERATIONAL TORQUE	55 Nm/486 lb/in	55 Nm/486 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°F +158°F
WEIGHT	2,4 Kg	2,4 Kg

VALVE CONNECTION

ISO 5211 Plate: F05/F07
 DIN 3337 Female output drive: *17 mm

Options:
 DIN 3337 Female output drive: *11 or *14 mm

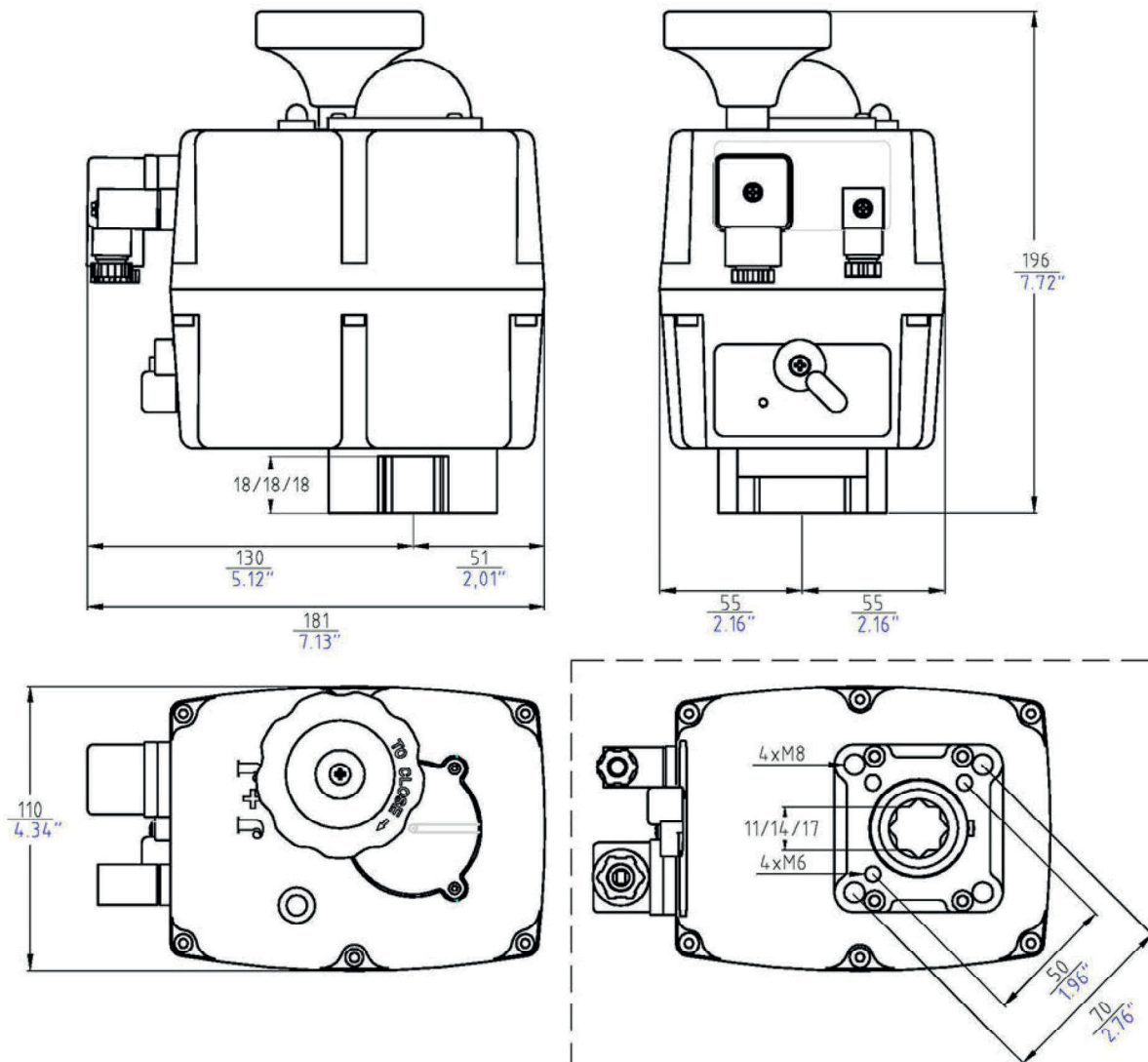


OPTIONS

- J4C 20/85 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V

- Digital potentiometer: 1K, 5K OR 10K
 - 3 POSITION ACTUATOR: 0°-45°-90°
 OR 0°-90°-180°





J4C 85 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft: Stainless steel
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S85	B85
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	29 SEC./90°	29 SEC./90°
MAXIMUM TORQUE BREAK	90 Nm/796,3 lb/in	90 Nm/796,3 lb/in
MAXIMUM OPERATIONAL TORQUE	85 Nm/752 lb/in	85 Nm/752 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°F +158°F
WEIGHT	3 Kg	3 Kg

VALVE CONNECTION

ISO 5211 Plate: F05/F07
 DIN 3337 Female output drive: *17 mm

Options:
 DIN 3337 Female output drive: *11 or *14 mm

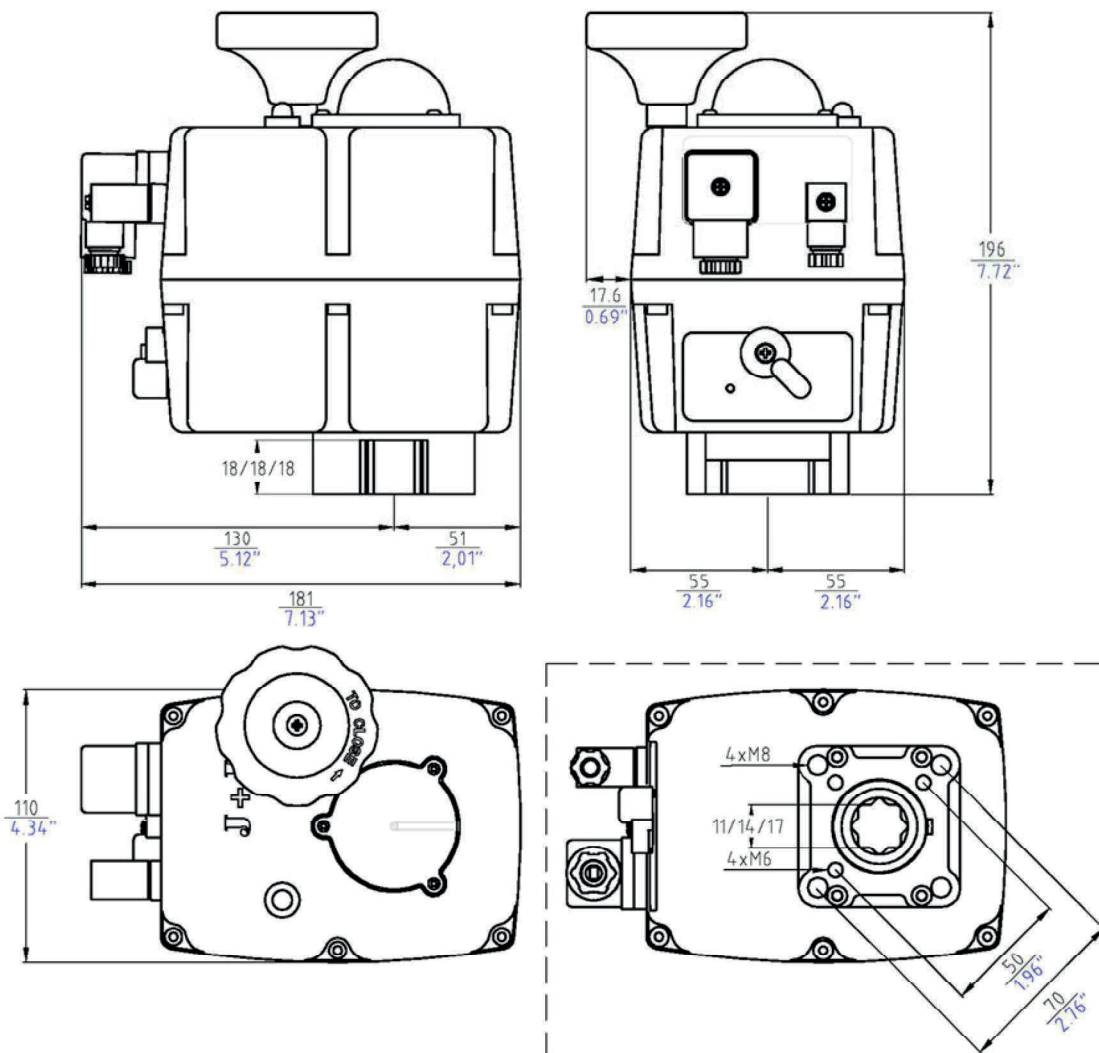


OPTIONS

- J4C 20/85 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V

- Digital potentiometer: 1K, 5K OR 10K
 - 3 POSITION ACTUATOR: 0°-45°-90°
 OR 0°-90°-180°





J4C 140 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft: Stainless steel
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S140	B140
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	34 SEC./90°	34 SEC./90°
MAXIMUM TORQUE BREAK	170 Nm/1504,5 lb/in	170 Nm/1504,5 lb/in
MAXIMUM OPERATIONAL TORQUE	140 Nm/1239 lb/in	140 Nm/1239 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°F +158°F
WEIGHT	5,2 Kg	5,2 Kg

VALVE CONNECTION

ISO 5211 Plate: F07/F10
 DIN 3337 Female output drive: *22 mm

Options:
 ISO 5211 Plate: F12
 DIN 3337 Female output drive: *17 mm

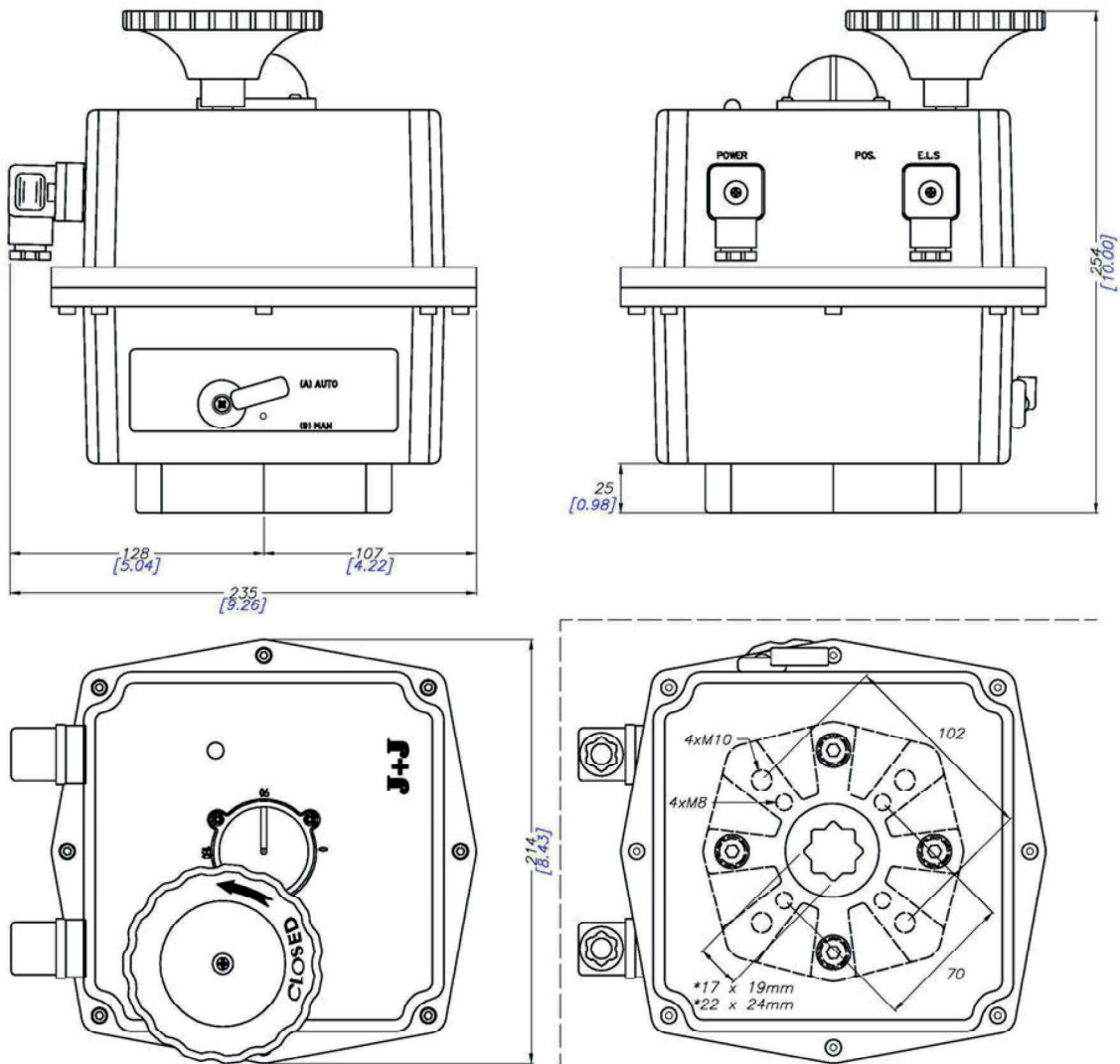


OPTIONS

- J4C 140/300 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V

- Digital potentiometer: 1K, 5K OR 10K
 - 3 POSITION ACTUATOR: 0°-45°-90°
 OR 0°-90°-180°





J4C 300 ON - OFF INFORMATION



GENERAL CHARACTERISTICS

Housing:
Main external shaft: Stainless steel
External screws: Stainless steel
Gears:
Visual position indicator:
Dome:
Adjustable internal cams:
Electric motor: 24VDC Brushless motor
Insulation: Class B
(IEC 60034) Service: S4

DATASHEET

MODEL	S300	B300
VOLTAGE VDC/VAC 50/60HZ - 0/+5%	24 A 240 (PATENT PENDING)	12 V ONLY
OPERATION TIME UNLOAD	58 SEC./90°	58 SEC./90°
MAXIMUM TORQUE BREAK	350 Nm/3097,5 lb/in	350 Nm/3097,5 lb/in
MAXIMUM OPERATIONAL TORQUE	300 Nm/2655 lb/in	300 Nm/2655 lb/in
DUTY RATING	75%	75%
MAX. WORKING ANGLE	0° TO 270°	0° TO 270°
LIMIT SWITCH	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)	4 SPST NO micro (2 MOTOR STOP AND 2 CONFIRMATIONS)
AUTOMATIC HEATER	3,5 W	3,5 W
BIG PLUG	EN175301-803 FORM A	EN175301-803 FORM A
SMALL PLUG	DIN43650/C	DIN43650/C
PROTECTION IEC 60529 RATING	IP67	IP67
TEMPERATURE	-20°C +70°C / -4°F +158°F	-20°C +70°C / -4°F +158°F
WEIGHT	5,2 Kg	5,2 Kg

VALVE CONNECTION

ISO 5211 Plate: F07/F10
 DIN 3337 Female output drive: *22 mm

Options:
 ISO 5211 Plate: F12
 DIN 3337 Female output drive: *17 mm

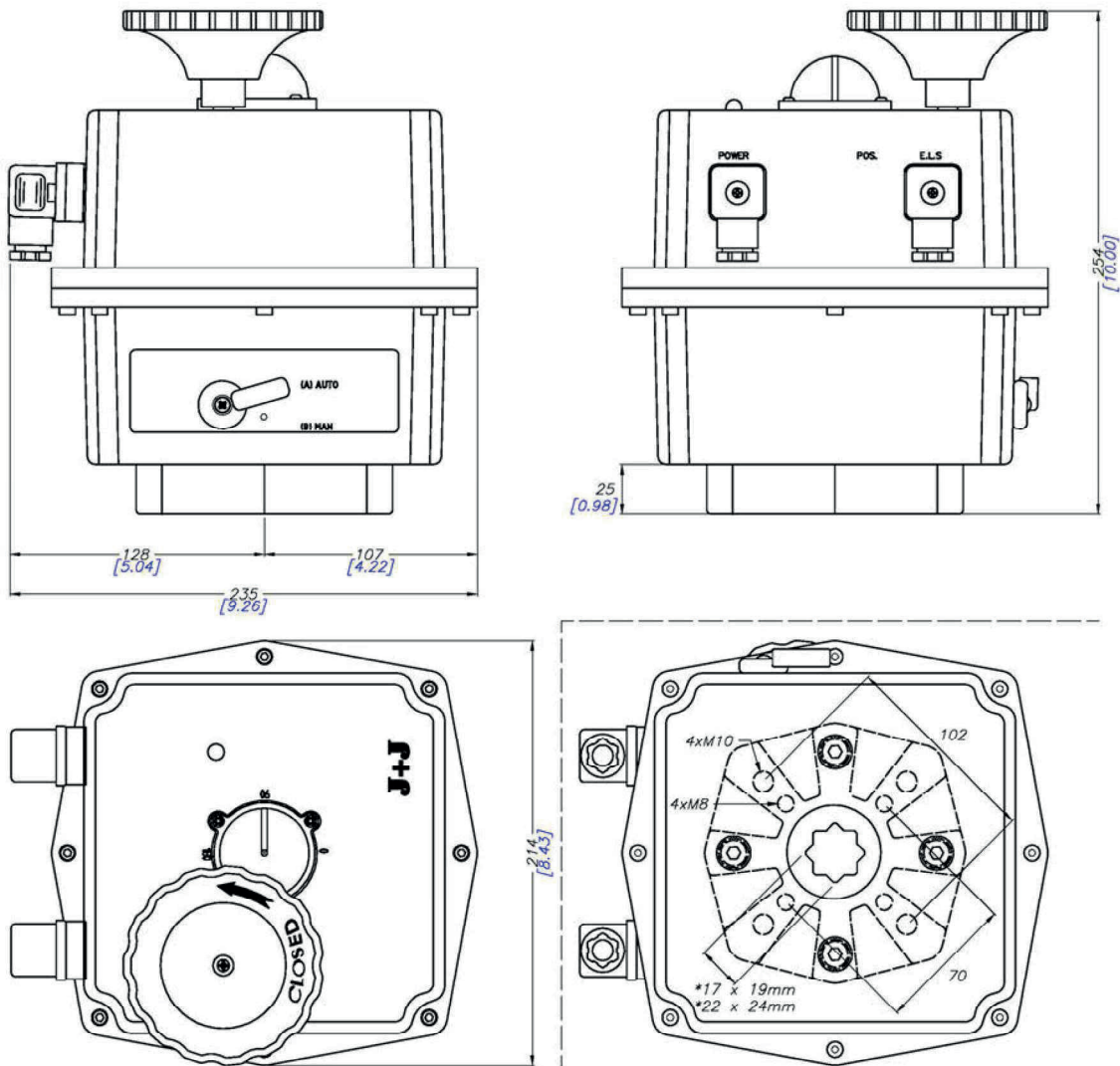


OPTIONS

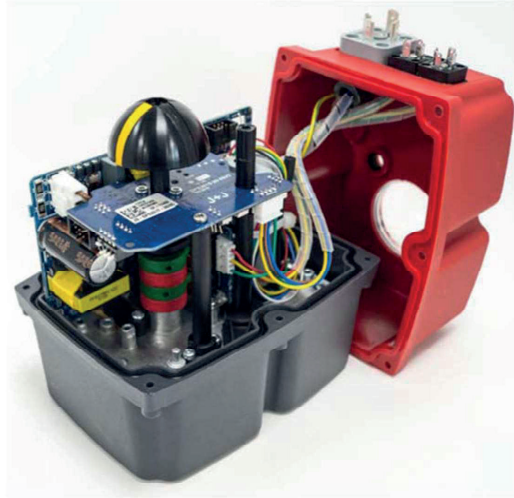
- J4C 140/300 DPS digital positioner:
 4-20mA, 0-20mA, 0-10V or 1-10V

- Digital potentiometer: 1K, 5K OR 10K
 - 3 POSITION ACTUATOR: 0°-45°-90°
 OR 0°-90°-180°





J4C 20/35/55/85 POSITIONER INFORMATION (DPS)

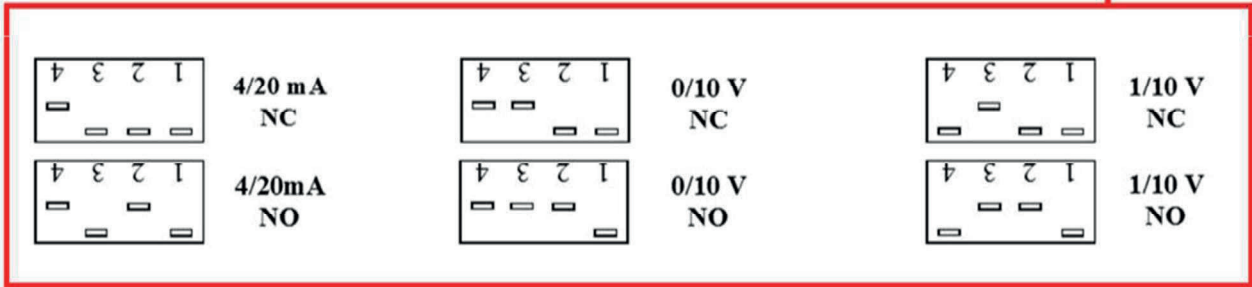
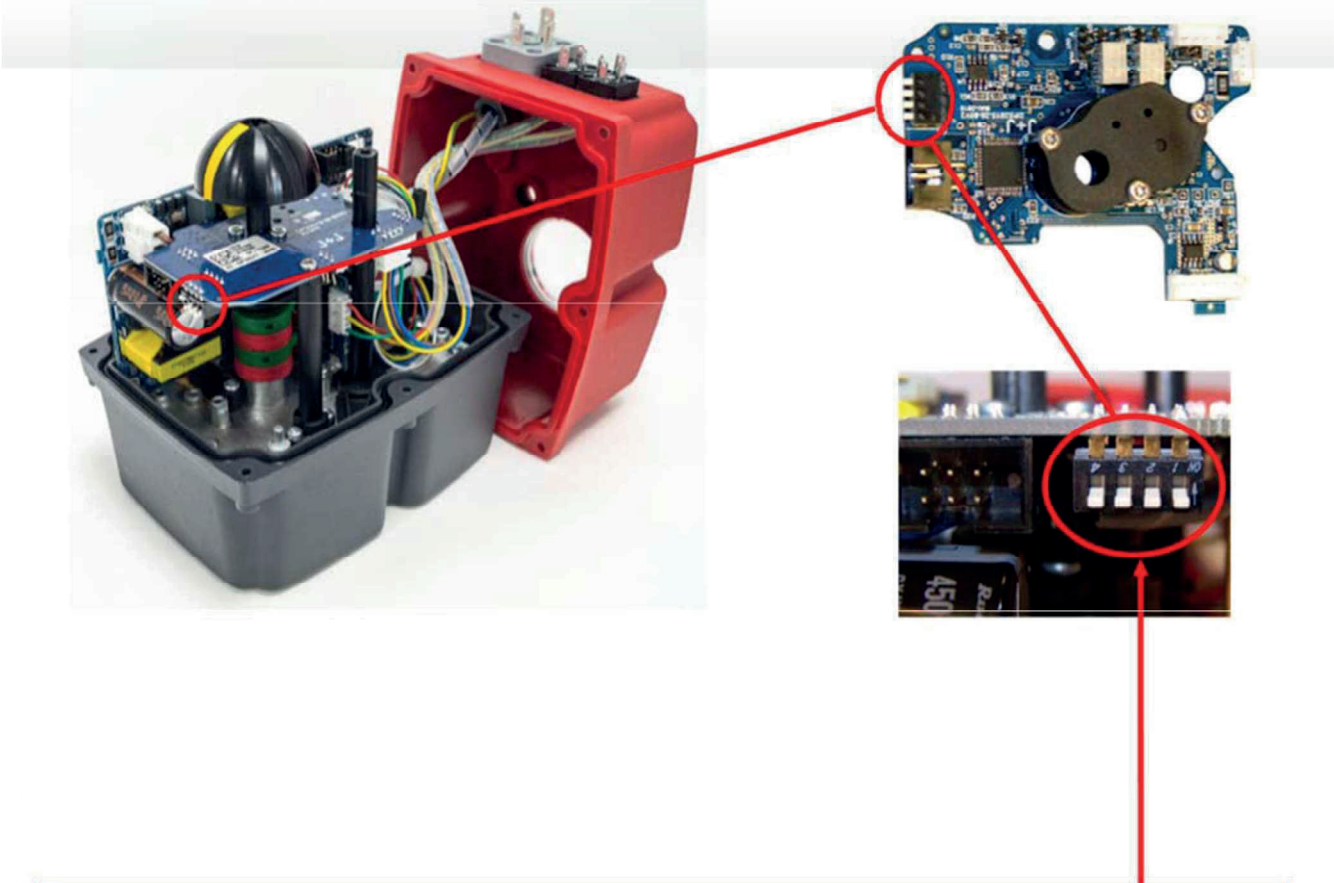


SPECIFICATIONS

MODEL	S20-B20	S35-B35	S55-B55	S85-B85
ACCURACY	3% F.S.	3% F.S.	3% F.S.	3% F.S.
LINEARITY	2% F.S.	2% F.S.	2% F.S.	2% F.S.
HYSTERESIS	3% F.S.	3% F.S.	3% F.S.	3% F.S.
STEPS AT 4/20mA	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°
STEPS AT 0/10V	MIN. 98 STEPS 90°	MIN. 98 STEPS 90°	MIN. 98 STEPS 90°	MIN. 98 STEPS 90°
STEPS AT 0/20mA	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°	DATASHEET	DATASHEET
STEPS AT 1/10V	MIN. 87 STEPS 90°	MIN. 87 STEPS 90°	MIN. 87 STEPS 90°	MIN. 87 STEPS 90°
4/20mA OR 0/20mA INPUT SIGNAL IMPEDANCE	100 Ohm	100 Ohm	100 Ohm	100 Ohm
0/10 V OR 1/10 V INPUT SIGNAL IMPEDANCE	25 KOhm	25 KOhm	25 KOhm	25 KOhm
CLASS	B+C TO DIN EN 15714 INCHING+MODULATION			

F.S. FULL SCALE

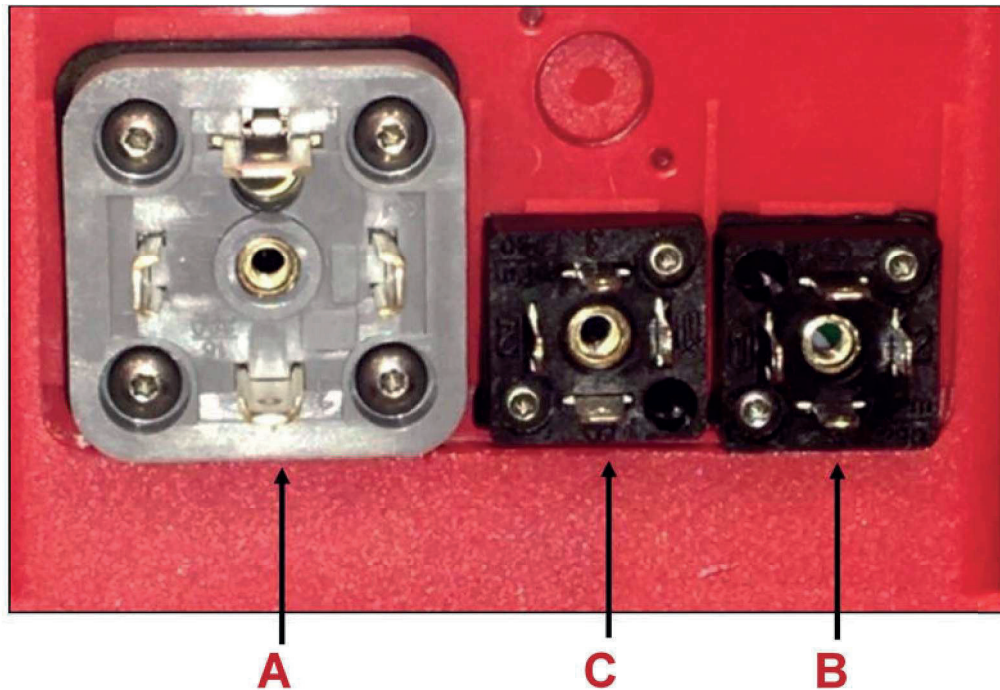
J4C 20/35/55/85 POSITIONER INFORMATION (DPS)



OTHER OPTIONS TO BE SET-UP BY THE MANUFACTURER OR WITH A JAC INTERFACE

OUTPUT ONLY	4/20 mA, 0/10 V, 0/20 mA, 1/10 V
INPUT & OUTPUT	0/20 mA
MOTOR STOP, WITHOUT INSTRUMENTATION	4/20 mA, 0/10 V, 0/20 mA, 1/10 V

J4C 20/35/55/85 POSITIONER SELF-ADJUSTMENT (DPS)



A -

B - Volt free contact plug.

C - Input/Output signal (4/20mA, 0/10V, 0/20mA o 1/10V) plug.

1 - **C** plug - connect a cable between PIN 1 (on the left side) and PIN Earth (on the bottom).

2 - **A** plug - connect:

VAC: PIN1 (neutral) and PIN2 (phrase).

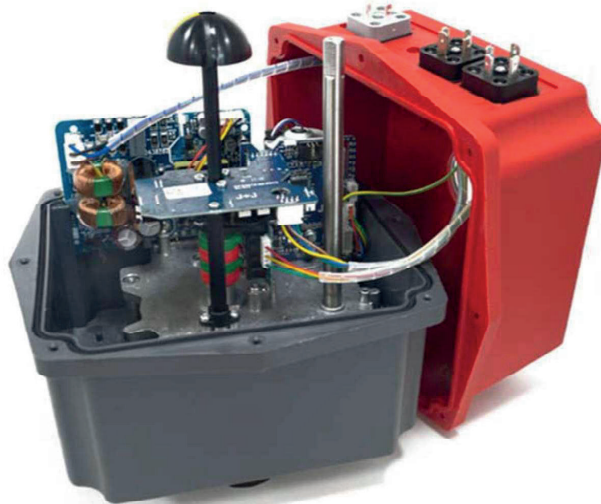
VDC: PIN1 (negative) and PIN2 (positive).

***VERY IMPORTANT: BEFORE CONNECTING "A" PLUG TO THE ACTUATOR, CHECK THAT THE VOLTAGE IS THE SAME AS THE ONE ON THE LABEL (CARTER).**

3 - **C** plug - disconnect the cable between PIN1 (on the left side) and PIN Earth (on the bottom).

C plug.

J4C 140/300 POSITIONER INFORMATION (DPS)

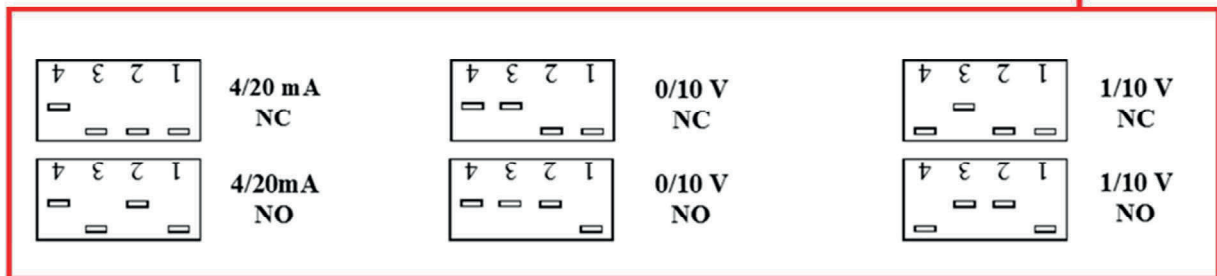
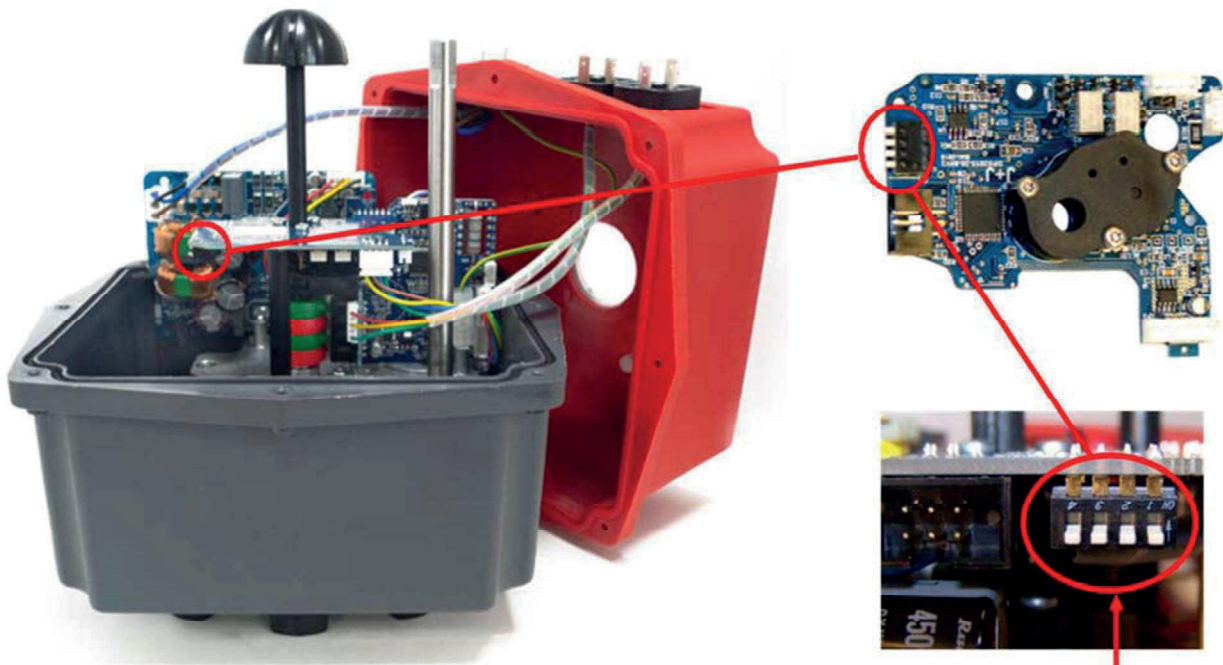


SPECIFICATIONS

MODEL	S140-B140	S300-B300
ACCURACY	3% F.S.	3% F.S.
LINEARITY	2% F.S.	2% F.S.
HYSTERESIS	3% F.S.	3% F.S.
STEPS AT 4/20mA	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°
STEPS AT 0/10V	MIN. 98 STEPS 90°	MIN. 98 STEPS 90°
STEPS AT 0/20mA	MIN. 150 STEPS 90°	MIN. 150 STEPS 90°
STEPS AT 1/10V	MIN. 87 STEPS 90°	MIN. 87 STEPS 90°
4/20mA OR 0/20mA INPUT SIGNAL IMPEDANCE	100 Ohm	100 Ohm
0/10 V OR 1/10 V INPUT SIGNAL IMPEDANCE	25 KOhm	25 KOhm
CLASS	B+C TO DIN EN 15714 INCHING+MODULATION	

F.S. FULL SCALE

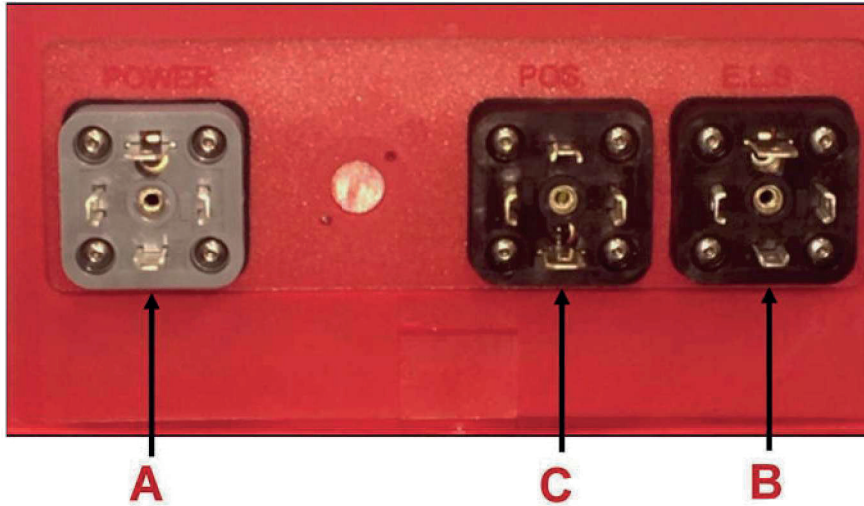
J4C 140/300 POSITIONER CONFIGURATION (DPS)



OTHER OPTIONS TO BE SET-UP BY THE MANUFACTURER OR WITH A JAC INTERFACE

OUTPUT ONLY	4/20 mA, 0/10 V, 0/20 mA, 1/10 V
INPUT & OUTPUT	0/20 mA
MOTOR STOP, WITHOUT INSTRUMENTATION	4/20 mA, 0/10 V, 0/20 mA, 1/10 V

J4C 140/300 POSITIONER SELF-ADJUSTMENT (DPS)



- A** -
- B** - Volt free contact plug.
- C** - Input/Output signal (4/20mA, 0/10V, 0/20mA o 1/10V) plug.

1 - **C** plug - connect a cable between PIN 1 (on the left side) and PIN Earth (on the bottom).

2 - **A** plug - connect:
 VAC: PIN1 (neutral) and PIN2 (phrase).
 VDC: PIN1 (negative) and PIN2 (positive).

*VERY IMPORTANT: BEFORE CONNECTING "A" PLUG TO THE ACTUATOR, CHECK THAT THE VOLTAGE IS THE SAME AS THE SPECIFIED ON THE LABEL (CARTER).

3 - **B** plug - disconnect the cable between PIN1 (on the left side) and PIN Earth (on the bottom).

B plug.

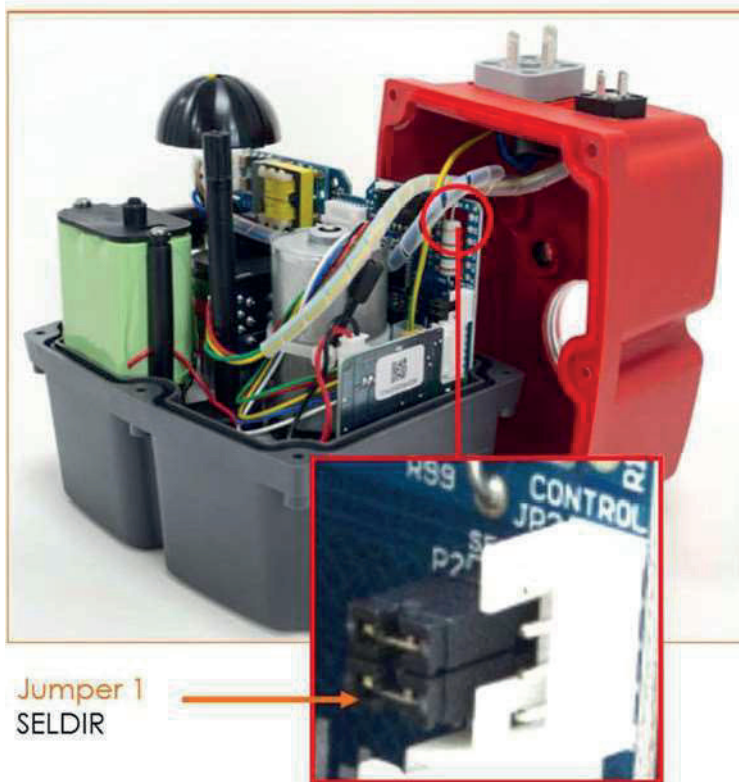


SPECIFICATIONS

ACTUATOR MODEL	S20-B20	S35-B35	S55-B55	S85-B85
N° WORKING OPERATION WITHOUT RECHARGE, WITH 100% BATTERY CHARGE	10	10	10	10
RECHARGE TIME/ WORKING OPERATION	15 MIN.	21 MIN.	48 MIN.	58 MIN.
BATTERY CONSUMPTION/ WORKING OPERATION	2,2 W	3,0 W	6,8 W	8,3 W
FULL CHARGE TIME 100%	28 H	28 H	28 H	28 H
NOMINAL CAPACITY +/- 5%	2200 mA	2200 mA	2200 mA	2200 mA
NO OR NC FEATURES (*)	JUMPER	JUMPER	JUMPER	JUMPER
CURRENT/ONE WORKING OPERATION WITH BATTERY	10,1 mA	14 mA	31,6 mA	38,6 mA
BATTERY CHARGE	40 mA/h	40 mA/h	40 mA/h	40 mA/h

CONFIGURATION	A	B
PREFERRED POSITION IN CASE OF POWER CUT	(NC) NORMALLY CLOSE	(NC) NORMALLY OPEN

(*) NO OR NC SET-UP

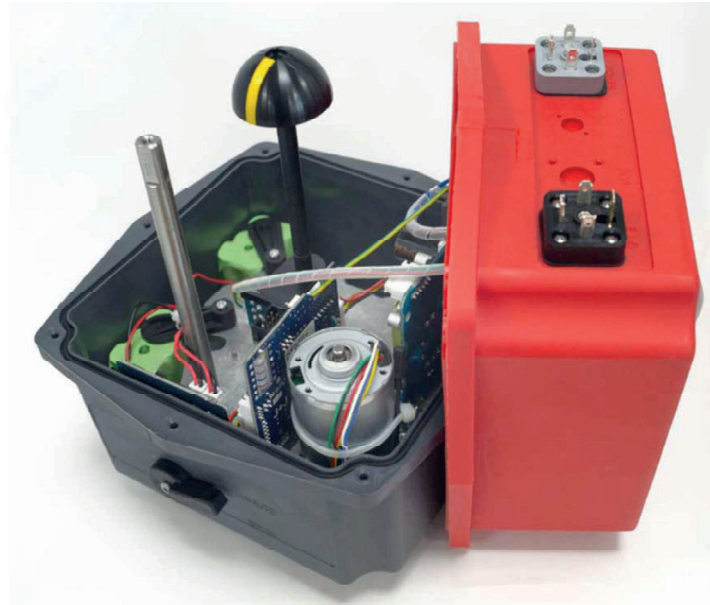


NC SET-UP

we need the actuator go to the CLOSE position, we need to put the **jumper 1** on the SELDIR position.

NO SET-UP

we need the actuator go to the OPEN position, be sure that the **jumper 1** is not on the SELDIR position.



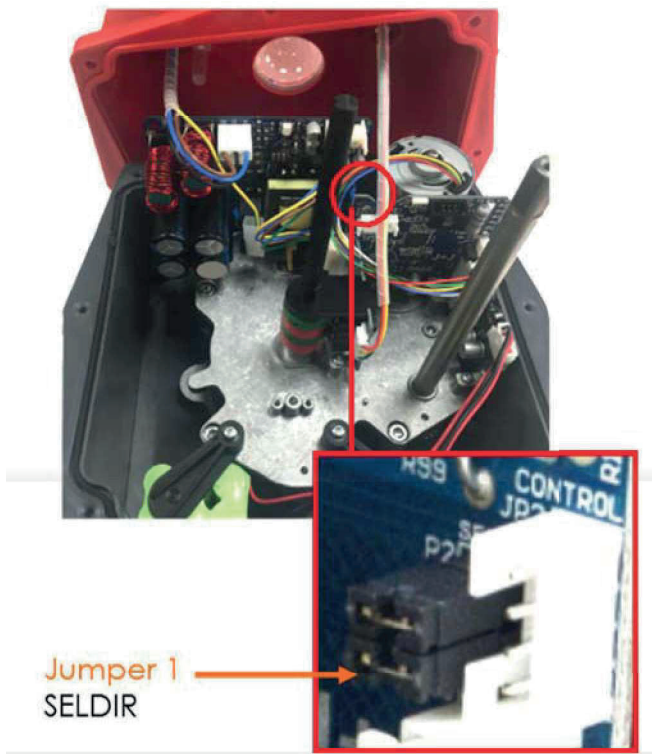
SPECIFICATIONS

ACTUATOR MODEL	S140-B140	S300-B300
N° WORKING OPERATION WITHOUT RECHARGE, WITH 100% BATTERY CHARGE	4	4
RECHARGE TIME/WORKING OPERATION	30 MIN	50 MIN
BATTERY CONSUMPTION/WORKING OPERATION	23 W	23 W
FULL CHARGE TIME 100%	54 H	54 H
NOMINAL CAPACITY +/- 5%	2200 mA	2200 mA
NO OR NC FEATURES (*)	JUMPER	JUMPER
CURRENT/ONE WORKING OPERATION WITH BATTERY	15,1 mA	25,7 mA
BATTERY CHARGE	40 mA/h	40 mA/h

J4C 140/300 BSR CONFIGURATION

CONFIGURATION	A	B
PREFERRED POSITION IN CASE OF POWER CUT	(NC) NORMALLY CLOSE	(NC) NORMALLY OPEN

(*) NO OR NC SET-UP



NC SET-UP

we need the actuator go to the CLOSE position, we need to put the **jumper 1** on the SELDIR position.

NO SET-UP

we need the actuator go to the OPEN position, be sure that the **jumper 1** is not on the SELDIR position.



OUTSIDE BOX



INSIDE BOX

The **DPS** is a device for the J4C electric actuator that turns the actuator into a servo controlled valve positioner.

The **DPS** and output and compare them with the position of the actuator to establish a uniform relation.

The **DPS** agement of the motion of the actuator.

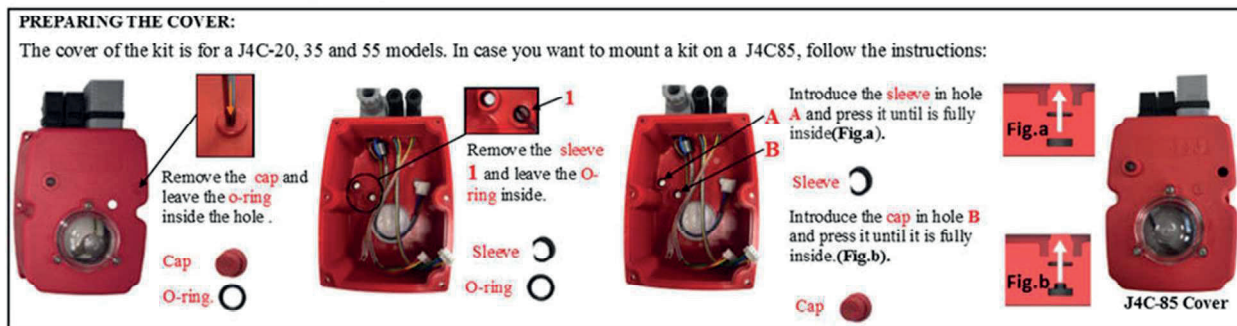
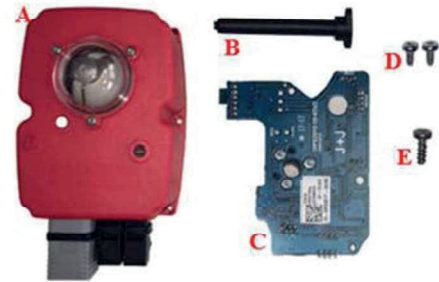
SPECIFICATIONS				
MODEL	S20-B20	S35-B35	S55-B55	S85-B85
ACCURACY	3% F.S.	3% F.S.	3% F.S.	3% F.S.
LINEARITY	2% F.S.	2% F.S.	2% F.S.	2% F.S.
HYSTERESIS	3% F.S.	3% F.S.	3% F.S.	3% F.S.
STEPS AT 4/20mA	Min. 150 steps 90°	Min. 150 steps 90°	Min. 150 steps 90°	Min. 150 steps 90°
STEPS AT 0/10V	Min. 98 steps 90°	Min. 98 steps 90°	Min. 98 steps 90°	Min. 98 steps 90°
STEPS AT 0/20mA	Min. 150 steps 90°	Min. 150 steps 90°	Min. 150 steps 90°	Min. 150 steps 90°
STEPS AT 1/10V	Min. 87 steps 90°	Min. 87 steps 90°	Min. 87 steps 90°	Min. 87 steps 90°
4/20mA OR 0/20mA INPUT SIGNAL IMPEDANCE	100 Ohm	100 Ohm	100 Ohm	100 Ohm
0/10V OR 1/10V INPUT SIGNAL IMPEDANCE	25 KOhm	25 KOhm	25 KOhm	25 KOhm
CLASS	B+C TO E DIN EN 15714 INCHING+MODULATION			
WEIGHT	0,600 Kg	0,600 Kg	0,600 Kg	0,600 Kg

F.S. FULL SCALE



PIECES

- A** - 1 COVER
- B** - 1 PLASTIC COLUMN
- C** - 1 DPS POSITIONER PCB
- D** - 2 SHEET METAL FIXING SCREWS
- E** - 1 PLASTIC FIXING SCREWS



PLEASE READ CAREFULLY BEFORE MOUNTING

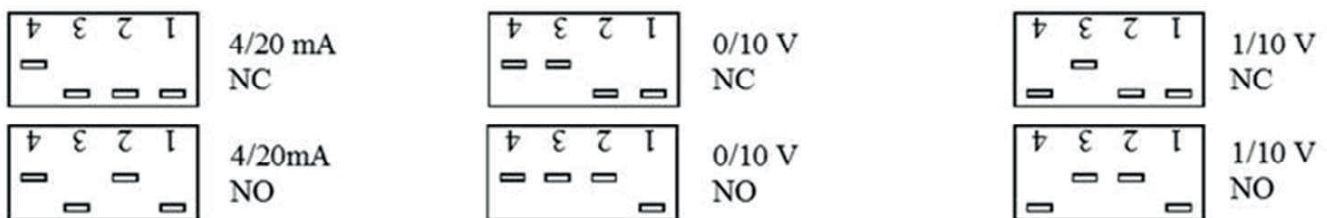
VERY IMPORTANT!!! PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. BEFORE CONNECTING "A" PLUG TO THE ACTUATOR, CHECK THAT THE VOLTAGE IS THE SAME AS THE ONE SPECIFIED ON THE LABEL (CARTER).

TO CONVERT A STANDARD (ON-OFF) J4C ELECTRIC ACTUATOR INTO A MODULATING FUNCTION WITH POSITIONER, PROCEED AS FOLLOWS:

THE UNIT MUST BE DISCONNECTED FROM ANY ELECTRICAL POWER OR SIGNAL BEFORE INSTALLING

1. REMOVE THE SCREW, WHICH IS FIXING THE HAND WHEEL (FIG.2)
2. REMOVE THE 6 SCREWS, WHICH ARE FIXING THE BODY TO THE COVER OF THE ACTUATOR (FIG.3)
3. CAREFULLY LIFT THE COVER (FIG.4)
4. REMOVE THE CABLES (FROM THE COVER) CONNECTED TO THE ACTUATOR PCB (FIG. 5A, 5B AND 5C)
5. CAREFULLY REMOVE THE POSITION INDICATOR (FIG. 6)
6. FIX THE PLASTIC COLUMN (B) ON THE BASE PLATE, BY USING 2 SHEET METAL FIXING SCREWS (D) (FIG. 7A, 7B AND 7C)
7. TAKE THE DPS COVER (A) AND CONNECT ITS CABLES, FOLLOWING (FIG.8A, 8B AND 8C)
8. PLACE THE MENTIONED CABLES AS PER (FIG.9A, AND 9B)
9. MOUNT THE DPS POSITIONER PCB (C), MATCHING THE CLEFT OF THE SHAFT WITH THE KEY INSIDE THE DPS GEAR (FIG.10)
10. PRESS THE DPS POSITIONER PCB (C) ALONG THE SHAFT UNTIL THE PCB CONNECTOR (JP3) IS PLUGGED IN THE ACTUATOR PCB CONNECTOR (JP2) (FIG.11)
11. FIX THE DPS POSITIONER PCB (C) TO THE PLASTIC COLUMN (B) WITH THE PLASTIC FIXING SCREW (E) (FIG. 12A)

12. CONNECT THE REMAINING CABLE (A) TO THE CONNECTOR BASE ON THE DPS PCB (C) (FIG. 12B)
13. CAREFULLY INSERT THE POSITION INDICATOR, MATCHING ITS INNER KEY WITH THE CLEFT OF THE SHAFT (FIG. 13)
14. IN ORDER TO SET THE ACTUATOR UP, USE THE DIPS SHOWN IN PICTURE (FIG.14)
PUT DIP 1 IN ON POSITION, CONNECT THE GREY CONNECTOR TO THE POWER SUPPLY, PUT DIP 1 BACK TO THE PRIOR POSITION. WAIT UNTIL THE ACTUATOR MAKE A COMPLETE MANEUVER (FIG.14A AND 14B)
15. DISCONNECT THE GREY CONNECTOR FROM THE POWER SUPPLY
16. USE THE CONFIGURATION YOU NEED BY MOVING THE DIPS, ACCORDING TO THE INSTRUMENTATION SIGNAL (FIG.15) :



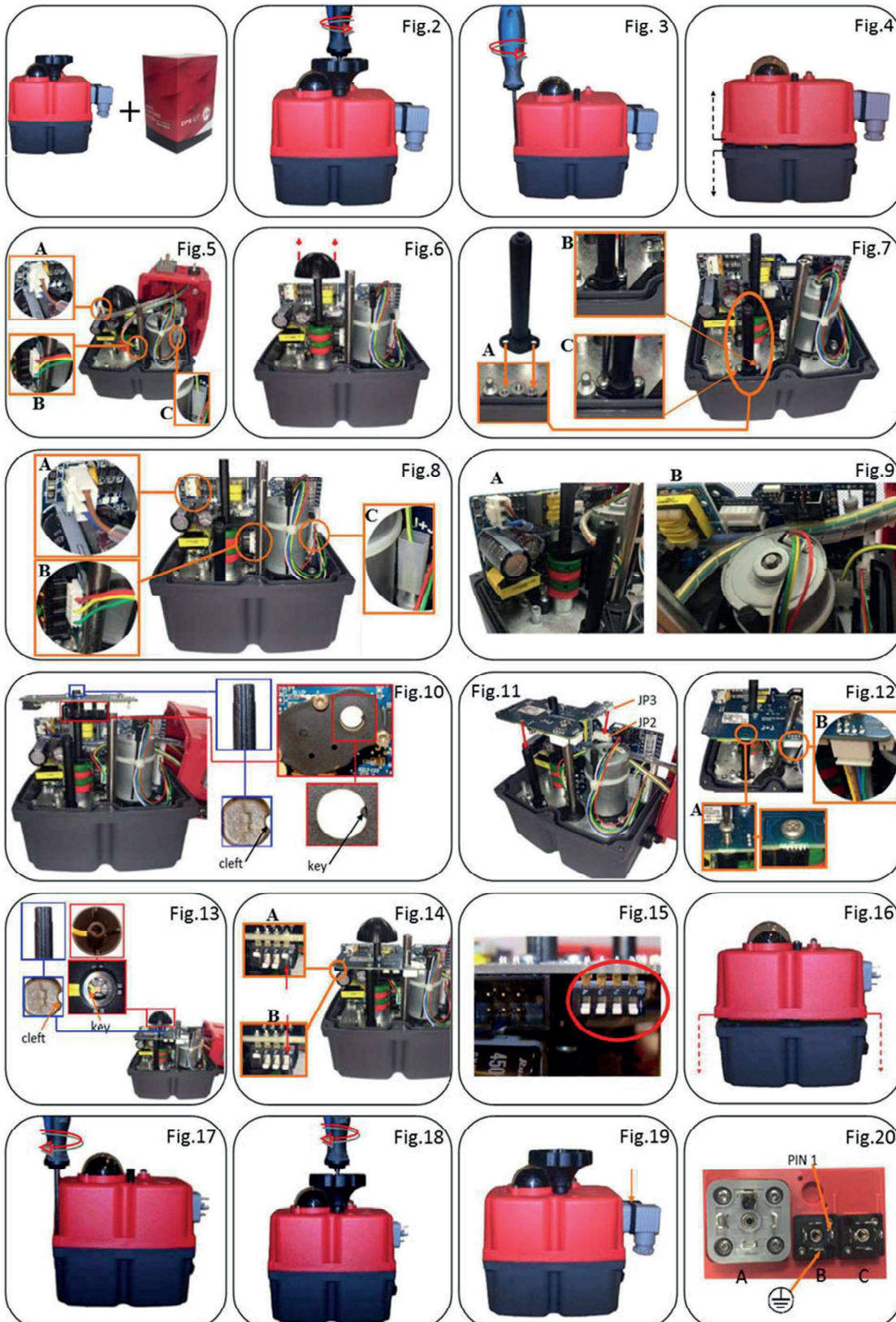
17. CAREFULLY MOUNT THE COVER, MINDING THE CABLES NOT TO BE PRESSED (FIG.16)
18. FIX THE COVER TO THE BODY BY USING THE 6 SCREWS (FIG.17)
19. MOUNT THE HAND WHEEL ON THE SHAFT AND FIX IT BY USING THE SCREW (FIG.18)
20. MOUNT THE 3 OUTER CONNECTORS TOGETHER WITH ITS RUBBER JOINTS AND FIX THEM TO THE COVER, BY USING THE SCREWS (FIG.19)
21. FILL IN THE DOCUMENT INSIDE THE KIT, AND SEND IT TO THE FAX NUMBER OR E-MAIL, SHOWN IN THE DOCUMENT

THE UNIT IS READY TO WORK

OUTER SET-UP: ONLY IF NECESSARY

- B PLUG - CONNECT A CABLE BETWEEN PIN 1 AND PIN EARTH (FIG. 20)
- A PLUG - CONNECT IT TO THE POWER SUPPLY
- B PLUG - DISCONNECT THE CABLE BETWEEN PIN 1 AND PIN EARTH

THE ACTUATOR WILL MAKE A COMPLETE MANEUVER.
CONNECT B CONNECTOR TO THE ACTUATOR. THE ACTUATOR IS READY TO WORK.





OUTSIDE BOX



INSIDE BOX

The **DPS** is a device for the J4C electric actuator that turns the actuator into a servo controlled valve positioner.

The **DPS** and output and compare them with the position of the actuator to establish a uniform relation.

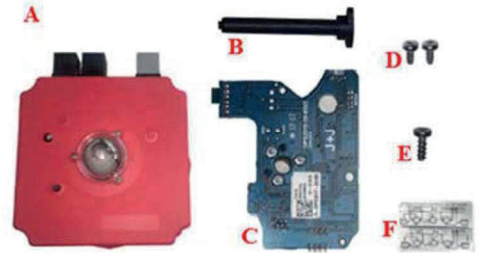
The **DPS** agement of the motion of the actuator.

SPECIFICATIONS		
MODEL	S14-B14	S300-B300
ACCURACY	3% F.S.	3% F.S.
LINEARITY	2% F.S.	2% F.S.
HYSTERESIS	3% F.S.	3% F.S.
STEPS AT 4/20mA	Min. 150 steps 90°	Min. 150 steps 90°
STEPS AT 0/10V	Min. 98 steps 90°	Min. 98 steps 90°
STEPS AT 0/20mA	Min. 150 steps 90°	Min. 150 steps 90°
STEPS AT 1/10V	Min. 87 steps 90°	Min. 87 steps 90°
4/20mA OR 0/20mA INPUT SIGNAL IMPEDANCE	100 Ohm	100 Ohm
0/10V OR 1/10V INPUT SIGNAL IMPEDANCE	25 KOhm	25 KOhm
CLASS	B+C TO E DIN EN 15714 INCHING+MODULATION	
WEIGHT	1 Kg	1 Kg

F.S. FULL SCALE


PIECES

- A** - 1 COVER
- B** - 1 PLASTIC COLUMN
- C** - 1 DPS POSITIONER PCB
- D** - 1 PLASTIC FIXING SCREWS
- E** - 1 SCHEMATIC DIAGRAM LABEL


PLEASE READ CAREFULLY BEFORE MOUNTING

VERY IMPORTANT!!! PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. BEFORE CONNECTING “A” PLUG TO THE ACTUATOR, CHECK THAT THE VOLTAGE IS THE SAME AS THE ONE SPECIFIED ON THE LABEL (CARTER).

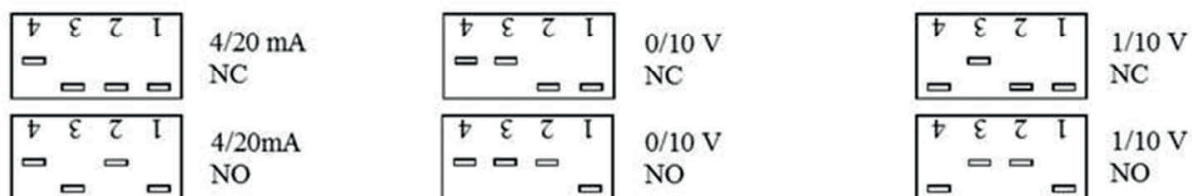
TO CONVERT A STANDARD (ON-OFF) J4C ELECTRIC ACTUATOR INTO A MODULATING FUNCTION WITH POSITIONER, PROCEED AS FOLLOWS:

THE UNIT MUST BE DISCONNECTED FROM ANY ELECTRICAL POWER OR SIGNAL BEFORE INSTALLING

1. REMOVE THE SCREW, WHICH IS FIXING THE HAND WHEEL **(FIG.2A AND 2B)**
2. REMOVE THE 8 SCREWS, WHICH ARE FIXING THE BODY TO THE COVER OF THE ACTUATOR **(FIG.3)**
3. CAREFULLY LIFT THE COVER **(FIG.4)**
4. REMOVE THE CABLES (FROM THE COVER) CONNECTED TO THE ACTUATOR PCB **(FIG. 5A, 5B AND 5C)**
5. CAREFULLY REMOVE THE POSITION INDICATOR **(FIG. 6)**
6. FIX THE PLASTIC COLUMN **(B)** ON THE BASE PLATE, BY USING 2 SHEET METAL FIXING SCREWS **(D)** **(FIG. 7A, 7B AND 7C)**
7. TAKE THE DPS COVER **(A)** AND CONNECT ITS CABLES, FOLLOWING **(FIG.8A, 8B AND 8C)**
8. MOUNT THE DPS POSITIONER PCB INSIDE THE KIT **(C)**, MATCHING THE CLEFT OF THE SHAFT WITH THE KEY INSIDE THE DPS GEAR **(FIG.9)**
9. PRESS THE DPS POSITIONER PCB **(C)** ALONG THE SHAFT UNTIL THE **PCB** CONNECTOR **(JP3)** IS PLUGGED IN THE ACTUATOR PCB CONNECTOR **(JP2)** **(FIG.10)**
10. FIX THE DPS POSITIONER PCB **(C)** TO THE PLASTIC COLUMN **(B)** WITH THE PLASTIC FIXING SCREW **(E)** **(FIG. 11A)**
11. CONNECT THE REMAINING CABLE FROM THE KIT COVER **(A)** TO THE CONNECTOR BASE ON THE DPS PCB **(C)** **(FIG. 11B)**
12. CAREFULLY INSERT THE POSITION INDICATOR, MATCHING ITS INNER KEY WITH THE CLEFT OF THE SHAFT **(FIG. 12)**
13. IN ORDER TO SET THE ACTUATOR UP, USE THE DIPS SHOWN IN PICTURE **(FIG.13)**
PUT DIP 1 IN ON POSITION, CONNECT THE GREY CONNECTOR TO THE POWER SUPPLY, PUT DIP 1 BACK TO THE PRIOR POSITION. WAIT UNTIL THE ACTUATOR MAKE A COMPLETE MANEUVER **(FIG.13A AND 13B)**

14. DISCONNECT THE GREY CONNECTOR FROM THE POWER SUPPLY

15. USE THE CONFIGURATION YOU NEED BY MOVING THE DIPS, ACCORDING TO THE INSTRUMENTATION SIGNAL **(FIG.14)** :



16. CAREFULLY MOUNT THE COVER, MINDING THE CABLES NOT TO BE PRESSED **(FIG.15)**

17. FIX THE COVER TO THE BODY BY USING THE 8 SCREWS **(FIG.16)**

18. MOUNT THE HAND WHEEL ON THE SHAFT AND FIX IT BY USING THE SCREW **(FIG.17)**

19. MOUNT THE 3 OUTER CONNECTORS TOGETHER WITH ITS RUBBER JOINTS AND FIX THEM TO THE COVER, BY USING THE SCREWS **(FIG.18)**

20. REMOVE THE WIRING LABEL FROM THE ACTUATOR AND REPLACE IT BY THE ONE INSIDE THE KIT BOX **(F)**

21. FILL IN THE DOCUMENT INSIDE THE KIT, AND SEND IT TO THE FAX NUMBER OR E-MAIL, SHOWN IN THE DOCUMENT

THE ACTUATOR IS READY TO WORK

OUTER SET-UP: ONLY IF NECESSARY

- B PLUG - CONNECT A CABLE BETWEEN PIN 1 AND PIN EARTH **(FIG. 19)**

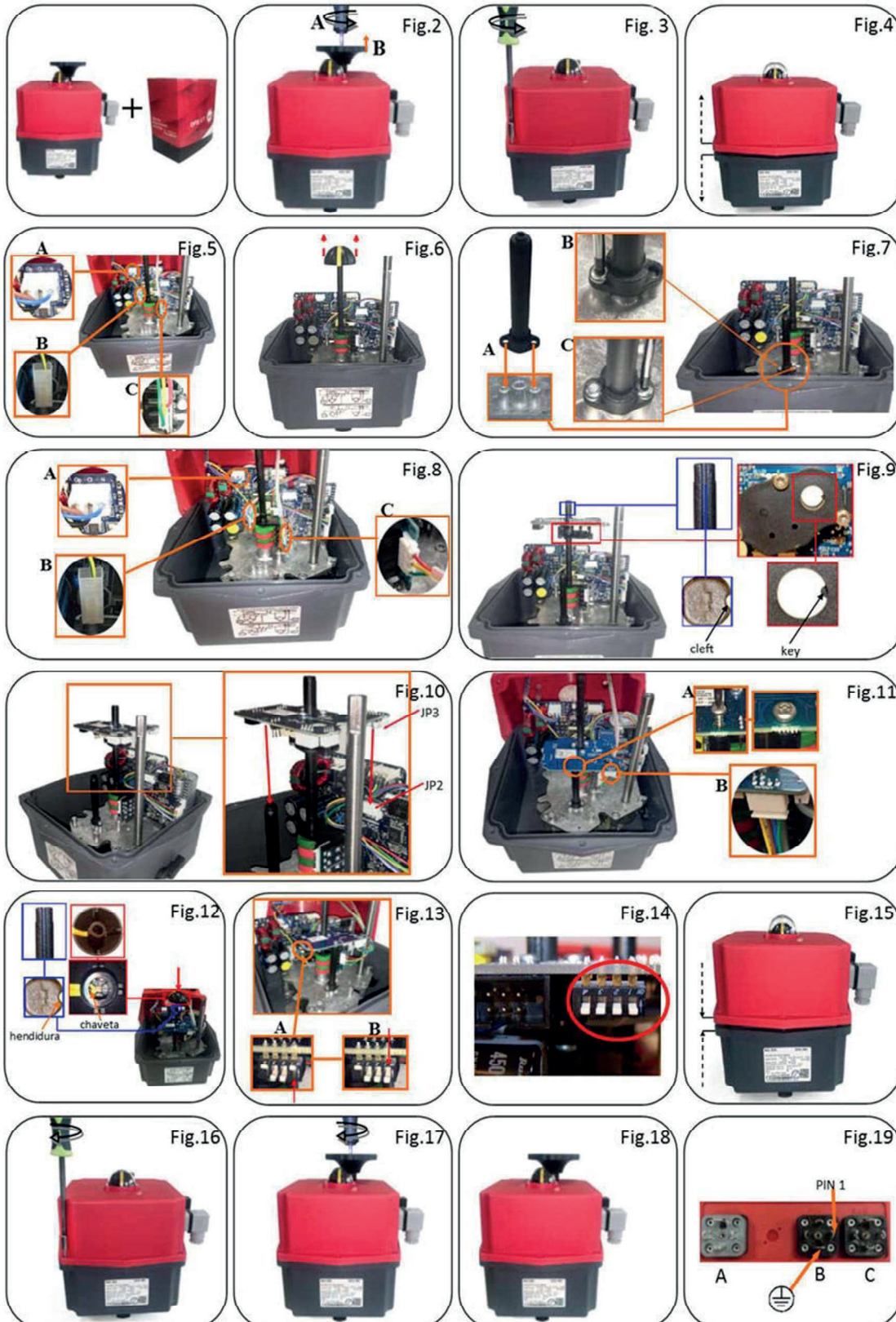
- A PLUG - CONNECT IT TO THE POWER SUPPLY

- B PLUG - DISCONNECT THE CABLE BETWEEN PIN 1 AND PIN EARTH

THE ACTUATOR WILL MAKE A COMPLETE MANEUVER.

CONNECT AND FIX THE B OUTER CONNECTOR TO THE ACTUATOR.

THE ACTUATOR IS READY TO WORK.





OUTSIDE BOX

INSIDE BOX

continuous charge.

“single acting” actuator.

SPECIFICATIONS				
ACTUATOR MODEL	S20-B20	S35-B35	S55-B55	S85-B85
N° WORKING OPERATION WITHOUT RECHARGE, WITH 100% BATTERY CHARGE	10	10	10	10
RECHARGE TIME/WORKING OPERATION	15 MIN	21 MIN	48 MIN	58 MIN
BATTERY CONSUMPTION/ WORKING OPERATION	2,2 W	3,0 W	6,8 W	8,3 W
FULL CHARGE TIME 100%	28 H	28 H	28 H	28 H
NOMINAL CAPACITY +/-5%	2200 mA	2200 mA	2200 mA	2200 mA
NO OR NC FEATURES (*)	JUMPER	JUMPER	JUMPER	JUMPER
CURRENT/ONE WORKING OPERATION WITH BATTERY	10,1 mA	14 mA	31,6 mA	38,6 mA
BATTERY CHARGE	40 mA/h	40 mA/h	40 mA/h	40 mA/h
WEIGHT	0,27 KG	0,27 KG	0,27 KG	0,27 KG

VERY IMPORTANT:

PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. IF THE CONNECTOR OF THE BATTERY PACK IS PLUGGED TO THE "BSR" PCB, BEFORE ARRIVING TO THE POINT 7, THE PCB COULD BE DAMAGED



INSIDE THE KIT BOX



DOCUMENT TO FILL IN



MOUNTING INSTRUCTIONS

KIT COMPONENTS

- A** - 1 BSR PCB
- B** - 1 LOWER BATTERY SUPPORT
- C** - 1 BATTERY PACK
- D** - 1 UPPER BATTERY SUPPORT
- E** - 3 SHEET METAL FIXING SCREWS
- F** - 2 PLASTING FIXING SCREWS



1. REMOVE THE HAND WHEEL SCREWS AND TAKE IT OFF **(FIG.1)**
2. REMOVE THE 6 SCREWS BETWEEN THE COVER AND THE BODY OF THE ACTUATOR **(FIG.2)**
3. CAREFULLY REMOVE THE COVER, IN ORDER TO INSTALL THE KIT **(FIG.3)**
4. TAKE THE BSR CB **(A)** FROM THE KIT AND CONNECT IT TO THE ACTUATOR PCB, BY USING THE CONNECTOR SHOWN IN PICTURE. SEE **(FIG. 4)**. FIX IT TO THE ACTUATOR METAL PLATE, BY USING THE SHEET METAL FIXING SCREW **(E)**. SEE **(FIG. 5)**
5. PUT THE LOWER BATTERY SUPPORT **(B)**. SEE **(FIG. 6A)**. FIX IT BY USING 2 SHEET METAL FIXING SCREWS **(E)** **(FIG. 6B AND 6C)**
6. PLACE THE BATTERY PACK **(C)** ON THE LOWER BATTERY SUPPORT **(B)** **(FIG. 7B)**. THE BATTERY CABLES SHOULD REMAIN ON THE BOTTOM PART. PUT THE CABLES, AS SHOWN IN THE PICTURE **(FIG. 7A)**
7. CONNECT THE BATTERY CABLES TO THE BSR PCB **(A)**, AS PER **(FIG. 7C)**
8. PLACE THE UPPER BATTERY SUPPORT **(D)** **(FG. 8A)** AND FIX IT TO THE COLUMNS OF THE LOWER BATTERY SUPPORT **(B)**, BY USING THE PLASTING FIXING SCREWS **(F)** **(FIG. 8B & 8C)**
9. BSR CONFIGURATION NO OR NC **(FIG. 9)**:
 - NC (NORMALLY CLOSE) SELDIR JUMPER ON.
 - NO (NORMALLY OPEN) SELDIR JUMPER OFF.
10. CAREFULLY REPLACE THE COVER AND BE SURE THAT THE JOINT IS CORRECTLY LODGED IN TS PLACE. SEE **(FIG. 10)**. BE SURE THAT ANY CABLE IS NOT TRAPPED BETWEEN THE COVER AND THE BODY.

11. FIX THE 6 SCREWS, BETWEEN THE COVER AND THE BODY. SEE **(FIG. 11)**

12. REASSEMBLE THE HAND WHEEL AND FIX IT WITH THE SCREWS. SEE **(FIG. 12)**

13. FILL IN THE BLANKS OF THE DOCUMENT INSIDE THE BSR KIT AND SEND IT BACK TO THE SUPPLIER, VIA FAX OR MAIL.

NOW, THE ACTUATOR IS READY TO WORK.

WE STRONGLY RECOMMEND TO PUT THE POWER ON, SEND THE ACTUATOR TO AN INTERMEDIATE POSITION AND CHECK THAT, AFTER PUTTING THE POWER OFF, THE ACTUATOR GOES TO THE PVIOUS SET-UP POSITION (NC OR NO).



Fig.1



Fig.2



Fig.3



Fig.4

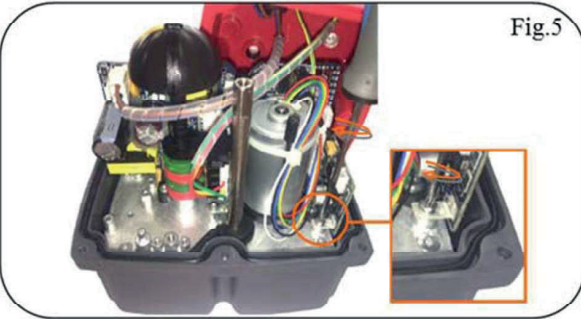


Fig.5

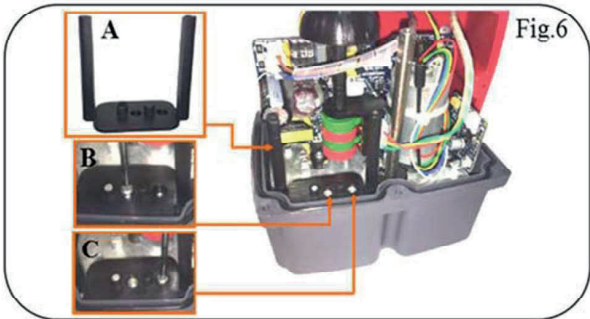


Fig.6



Fig.7

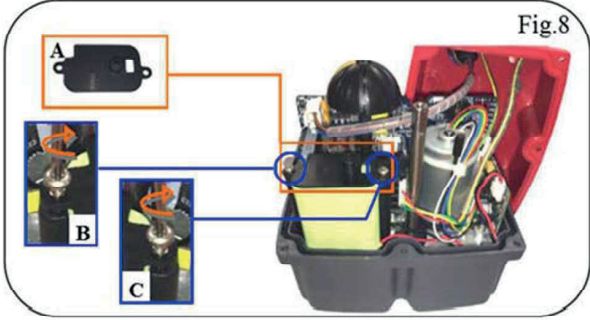


Fig.8



Fig.9

Jumper SELDIR



Fig.10



Fig.11



Fig.12



continuous charge.

“single acting” actuator.

SPECIFICATIONS		
ACTUATOR MODEL	S140-B140	S300-B300
N° WORKING OPERATION WITHOUT RECHARGE, WITH 100% BATTERY CHARGE	4	4
RECHARGE TIME/WORKING OPERATION	30 MIN	50 MIN
BATTERY CONSUMPTION/ WORKING OPERATION	23 W	23 W
FULL CHARGE TIME 100%	54 H	54 H
NOMINAL CAPACITY +/-5%	2200 mA	2200 mA
NO OR NC FEATURES (*)	JUMPER	JUMPER
CURRENT/ONE WORKING OPERATION WITH BATTERY	15,1 mA	25,7 mA
BATTERY CHARGE	40 mA/h	40 mA/h
WEIGHT	0,375 KG	0,375 KG

J4C 140/300 BSR KIT - MOUNTING INSTRUCTIONS V001

VERY IMPORTANT:

PLEASE FOLLOW THE INSTRUCTIONS STEP BY STEP. IF THE CONNECTOR OF THE BATTERY PACK IS PLUGGED TO THE “BSR” PCB, BEFORE ARRIVING TO THE POINT 4, THE PCB COULD BE DAMAGED



INSIDE THE KIT BOX



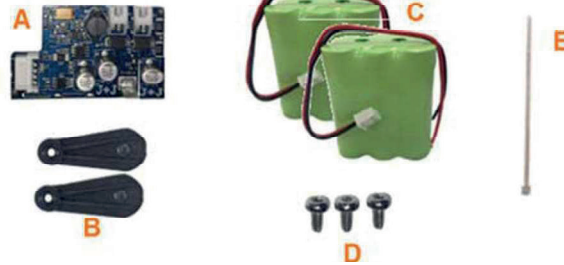
DOCUMENT TO FILL IN



MOUNTING INSTRUCTIONS

KIT COMPONENTS

- A** - 1 BSR PCB
- B** - 2 BATTERY SUPPORT
- C** - 2 BATTERY PACK
- D** - 3 SHEET METAL FIXING SCREWS
- E** - 1 PLASTIC CLAMP



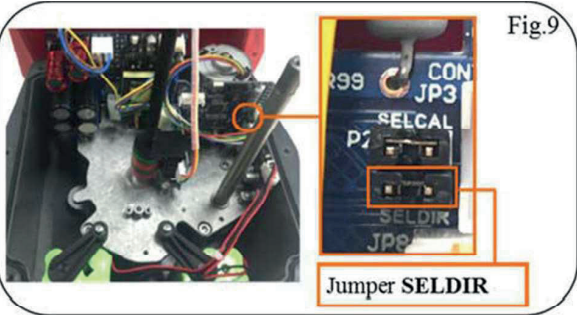
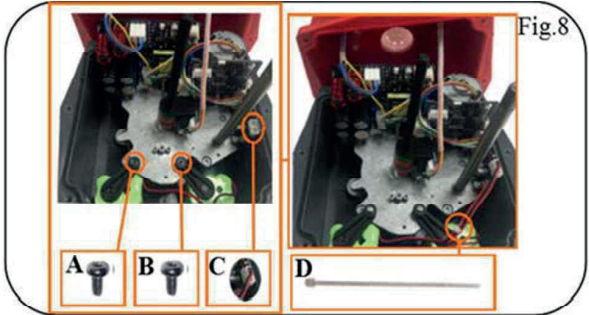
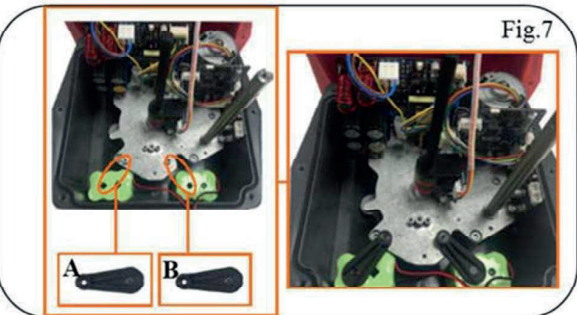
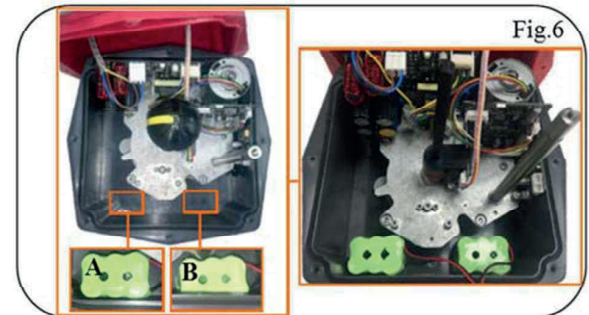
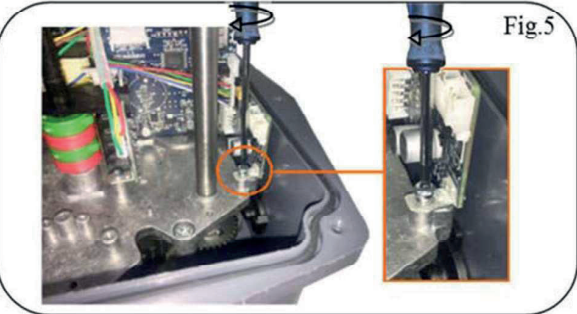
1. REMOVE THE HAND WHEEL SCREWS AND TAKE IT OFF (FIG.1A & 1B)
2. REMOVE THE 8 SCREWS BETWEEN THE COVER AND THE BODY OF THE ACTUATOR (FIG.2)
3. CAREFULLY REMOVE THE COVER, IN ORDER TO INSTALL THE KIT (FIG.3)
4. TAKE THE BSR CB (A) FROM THE KIT AND CONNECT IT TO THE ACTUATOR PCB, BY USING THE CONNECTOR SHOWN IN PICTURE. SEE (FIG. 4). FIX IT TO THE ACTUATOR METAL PLATE, BY USING THE SHEET METAL FIXING SCREW (D). SEE (FIG. 5)
5. PLACE THE 2 BATTERY PACKS (C). AS THE PICTURE (FIG. 6A & 6B)
6. PLACE THE BATTERY SUPPORTS (B), AS THE PICTURE (FIG. 7A & 7B)
7. FIX THE BATTERY SUPPORTS (B), WITH THE SHEET METAL FIXING SCREWS (D) (FIG. 8A & 8B)
8. CONNECT THE BATTERY CABLES TO THE BSR PCB (A), AS PER (FG. 8C)
9. PUT BOTH BATTERY CABLES (C) TOGETHER WITH THE PLASTIC CLAMP (E) (FIG. 8D). CUT THE REMAINING PART OF THE PLASTIC CLAMP (E).
10. BSR CONFIGURATION NO OR NC (FIG.9):
 - NC (NORMALLY CLOSE) SELDIER JUMPER ON.
 - NO (NORMALLY OPEN) SELDIER JUMPER OFF.
11. CAREFFULLY REPLACE THE COVER AND BE SURE THAT THE JOINT IS CORRECTLY LODGED IN TS PLACE. SEE (FIG. 10). BE SURE THAT ANY CABLE IS NOT TRAPPED BETWEEN THE COVER AND THE BODY.
12. FIX THE 8 SCREWS, BETWEEN THE COVER AND THE BODY. SEE (FIG. 11)

13. REASSEMBLE THE HAND WHEEL AND FIX IT WITH THE SCREWS. SEE **(FIG. 12)**

14. FILL IN THE BLANKS OF THE DOCUMENT INSIDE THE BSR KIT AND SEND IT BACK TO THE SUPPLIER, VIA FAX OR MAIL.

NOW, THE ACTUATOR IS READY TO WORK.

WE STRONGLY RECOMMEND TO PUT THE POWER ON, SEND THE ACTUATOR TO AN INTERMEDIATE POSITION AND CHECK THAT, AFTER PUTTING THE POWER OFF, THE ACTUATOR GOES TO THE PERVIOUS SET-UP POSITION (NC OR NO).



OUR WARRANTY SOLELY AND EXCLUSIVELY THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PARTS IN OUR WORKSHOP OR IN THE PLACEMENT OF THE INSTALLATION, AND DOES NOT COVER INDEMNIFICATIONS OR OTHER EXPENSES.

product and, if appropriate the correct installation of the same.

The expenses pf the return and reshipment of the defective materials will be fot the account of





GENERAL ADVICE

TRANSPORTATION:

ENTRY CONTROL:

STORAGE:

dirt, temperature change and solar radiation. If a storage is not possible under the described conditions, the device must be connected to the mains voltage corresponding to the voltage indicated on the nameplate.

DAMAGES IN TRANSIT:

goods together with the return document and return material authorization number to our service department.

FIRST CHECK THE FOLLOWING CIRCUMSTANCES:

- Does the actuator the required version (torque, protection, voltage, swivel angle, etc.)
- Is it possible to adjust the valve on the manual override.

AUTO and move the handlever/hand wheel onesmore.

tenance or repair of the actuators. The proper and safe operation requires proper transport, proper storage, mounting and careful operation.

trical equipment the applicable VDE and EVU regulations are observed.

- Electrical protection measures (grounding resistance, etc.) are to be checked.

MOUNTING:

of resonance with the actuator components. The use in vibration-prone environments has to be coordinated with the actuator manufacturer.

end position.

SETTING AND COMMISSIONING:

- Make sure that the starting or the test settings on the actuator, no potential hazards to personnel or the environmet.

rupted.

- Before mounting the actuator is the ease of movement of the actuator to consider.

the target angular position of the actuator and the function of the adjusted to the angular positions switch.

cleaning equipment.

ENVIRONMENT:

above or below the temperature range (-20°C to 70°C), a temperature derivative should be provided. In applications where vibrations are expected, e.g. compressors, motors, line strokes, in the pipeline pipe compensators have to be provided.

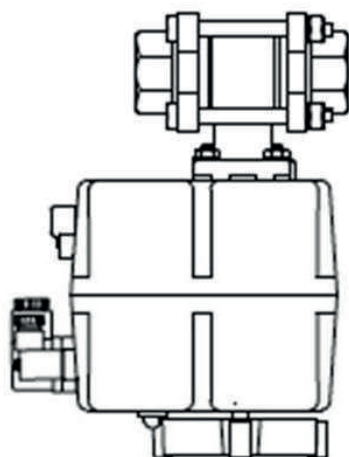
MOUNTING:

operating characteristics of the actuators. It should be noted that the manual override is accessible and the position indicator is visible. Depending on the version the actuator is pre-adjusted

part, which contains the actuating device and to the terminal of the actuator to the motor actuator-and control lines.

MAINTENANCE:

sioning, the connection of the actuator with the valve should be checked after some time. Here



not permissible installation

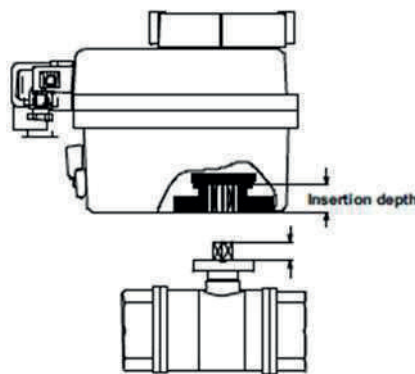
MOUNTING OF VALVE:

The valves shall be designed according to interface DIN3337/ISO5211. All alignment of actuator and valve shaft must be ensured.

INSERTION DEPTH OF THE ACTUATOR WAVE SOCKET:

The insertion depth of the valves square socket to be assembled to the actuators double square

As a rule of thumb for planners of octagon and adaptation is at least:


RECOMMENDATION:

If possible, use headless screws with nuts and washers for the construction of the valve, so raising found in the valve data.

ADVANTAGES OF USING THREADED PINS:

Fast centring of the valve and actuator easier removal of the valve and actuator in the place of

FLANGE HOLE THREAD:

FLANGE	F03	F04	F05	F07	F10	F12	STECKER	GEHÄUSE
SCREW	M5	M6	M6	M8	M10	M12		
MOUNTING TORQUE	5,1 Nm		8,8 Nm	21,5 Nm	44 Nm	65 Nm	0,5 Nm	2,6 Nm

REQUIRED MOUNTING MATERIAL:

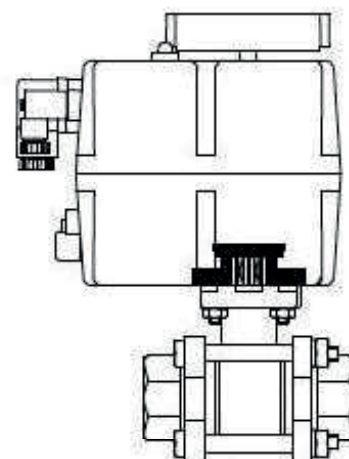
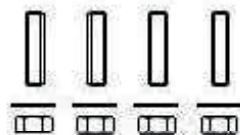
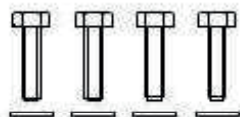
MATERIAL FOR THE DIRECT ACTUATOR DESIGN

WITH SCREWS:

- 4 SCREWS
- 4 WASHERS

ALTERNATIVELY WITH HEADLESS SCREWS:

- 4 HEADLESS SCREWS
- 4 WASHERS
- 4 NUTS



Direct mounting

MATERIAL FOR ASSEMBLY - ACTUATOR ON VALVE BRACKET AND ADAPTER

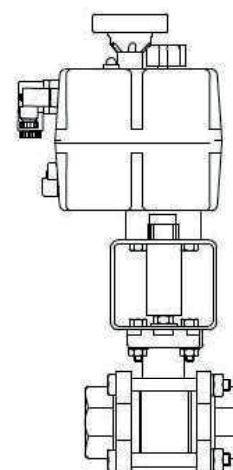
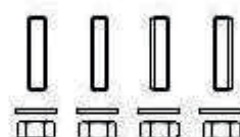
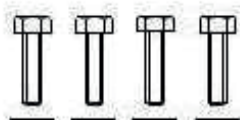
- A BRACKET
- ADAPTER

ALTERNATIVELY WITH HEADLESS SCREWS:

- 8 HEADLESS SCREWS
- 12 NUTS
- 12 SPRING WASHER

WITH SCREWS:

- 8 SCREWS
- 8 WASHERS
- 4 NUTS



Assembling with bracket and adapter

The actuator moves and then stops. The operating LED flashes red or green (see status LED).

>> High torque on the valve due to not removed end stops or solids in the valve. Valve must be

>> Model size of the actuator is too small.

The actuator is in position “open” but the valve is closed or half opened.

>> Actuator is mounted on the valve with a wrong angle. Dismount, turn the actuator in manual mode to the correct angle, mount it.

The limit switches for end position feedback do not work.

ing the end position.

>> In load-free interrogation of the limit switch, soot is formed inside. Actuator with gold contact switches are to be used.

The actuator moves, but the valve does not.

For other malfunctions, please contact our technical service department.



1 - INOX PNEUMATIC ACTUATOR



PNEUMATIC VERTICAL ACTUATOR INOX FM21



Specifications

(MODEL) FM21SX-FM21DX

(SIZE RANGE) 85/108

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATION TYPE) SPRING RETURN
OR DOUBLE ACTING

(BODY MATERIALS) AISI 304

(CONNECTINON) DRILLING ISO 5211 DM 14
F03/F04/F05/F07

(TEMPERATURE) -20 +90C

(OPTIONS) BOX-POSITIONER-COVER

DRILLING ISO 5211/DIN3337



VALORI DI COPPIA (NM) PER PRESSIONE TORQUE MOMENTS VALUES (NM) FOR PRESSIONS

FM21-DX					
ØXL	DN	3 bar	4 bar	5 bar	6 bar
85x174	25 ÷ 100	30	40	50	60
FM21-SX					
ØXL	DN	5 bar	6 bar	7 bar	8 bar
85x174	25 ÷ 100	25	30	35	45

FINECORSA INOX
LIMIT SWITCH INOX 316

SPIA VISIVA
VISUAL SPY

FINECORSA
PNEUMATICO
PNEUMATIC LIMIT SWITCH



COVER

POSIZIONATORE
POSITIONER



INOX PNEUMATIC ACTUATOR

PNEUMATIC VERTICAL ACTUATOR INOX FM21E



Specifications

(MODEL) FM21ESX-FM21EDX

(SIZE RANGE) 85/108

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATION TYPE) SPRING RETURN
OR DOUBLE ACTING

(BODY MATERIALS) AISI 304

(CONNECTINON) DM 14

(TEMPERATURE) -20 +90C

(OPTIONS) DOUBLE EFFECT



VALORI DI COPPIA (NM) PER PRESSIONE

TORQUE MOMENTS VALUES (NM) FOR PRESSIONS

FM21-DX

ØXL	DN	3 bar	4 bar	5 bar	6 bar
85x174	25 ÷ 100	30	40	50	60

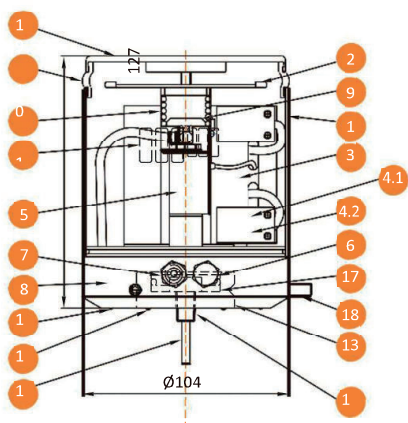
FM21-SX

ØXL	DN	5 bar	6 bar	7 bar	8 bar
85x174	25 ÷ 100	25	30	35	45

Box micro with 2 mechanical microswitches or with

TECHNICAL DATA	SOLENOID VALVE	SENSOR
SINGLE ACT art. 139 LSE	1	1-2
DOUBLE ACT art. 139 LDE	2	2
OPERATING TEMPERATURE	70 °C	
MEDIUM LUBRIFICANT COMPRESSED AIR	INERT GAS	
PNEUMATIC CONNECTION	G 1/8"	
WORKING PRESSURE	1.5 ÷ 7 bar	
AIR FLUX	200 NI	
PROTECTION GRADE	IP 65	
ELECTRONIC CONNECTION	24 V DC -24/110/220 V AC	
JOURNEY	MIN. 3 mm MAX. 70 mm	
BODY	AISI 304	





ITEM	PARTS NAME	Q'TY	MATERIAL
1	COVER	1	St. St 304
2	LED LIGHT	1	
3	SWITCH BRACKET	1	St. St 304
4.1	PROXIMITY SENSOR	2	3A 125VAC/30VDV
4.2	MICRO SWITCH	2	3A 125VAC/30VDV
5	ELECTROVALVE	1	DC24 3.0W/C110VC/AC220V
6	E/N CONNECT PIECE	1	St. St 304
7	AIR CONNECTION	1	Cu
8	AIR MANIFOLD	1	P.O.M./ St. St 304
9	HOUSE	1	St. St 304
10	LIGHT SCREEN	1	PC
11	SPRING	1	St. St 304
12	SENSOR PIN	1	St. St 304
13	PLATE	1	St. St 304
14	O-RING	1	NBR
15	O-RING	1	NBR
16	ADAPTER (3/8" NPT)	1	St. St 304
17	O-RING	1	NBR
18	SET SCREW	3	St. St 304
19	TOP COVER	1	St. St 304
20	PCB BOARD	6	

ON DEMAND ACTUATOR



MINI PNEUMATIC ACTUATOR RD32

Specifications

(MODEL) RD32

(SIZE) H 55 MM T 45MM L 65 MM

(SIZE RANGE) 7 NM F03

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATION TYPE) DOUBLE ACTINGT

(BODY MATERIALS) ALLUMINIUM

(CONNECTINON) NAMUR

(TEMPERATURE) -15 +80C



PNEUMATIC ACTUATOR UT

Specifications

(MODEL) UT

(SIZE RANGE) 15-60 NM

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATION TYPE) DOUBLE ACTING,
SPRING RETURN

(BODY MATERIALS) TECNOPOLYMER

(CONNECTINON) NAMUR

(TEMPERATURE) -20 +80C



PNEUMATIC ACTUATOR INOX ST

Specifications

(MODEL) ST

(SIZE RANGE) 10-2400 NM

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATION TYPE) DOUBLE ACTING,
SPRING RETURN

(BODY MATERIALS) AISI 316

(CONNECTINON) NAMUR

(TEMPERATURE) -20 +80C



PNEUMATIC ACTUATOR INOX ATX

Specifications

(MODEL) ATX

(SIZE RANGE) 10-2400 NM

(OPERATING PRESSURE) 10 BAR MAX

(VALVE OPERATING TYPE) DOUBLE ACTING,
SPRING RETURN

(BODY MATERIALS) AISI 316

(CONNECTION) NAMUR

(TEMPERATURE) -20+80C



ELECTRIC ACTUATOR AOX

Specifications

(MODEL) AOX IP68

(SIZE RANGE) 30-5000 NM

(POWER) 220 -380VAC 24VAC-24VCC

(TEMPERATURE) -20 +70C

(BODY MATERIALS) ALLUMINIUM



ELECTRIC ACTUATOR VRX

Specifications

(MODEL) VRX

(SIZE RANGE) 25-300 NM

(POWER) 220 -380VAC 24VAC-24VCC

(TEMPERATURE) -20 +70C

(BODY MATERIALS) ALLUMINIUM

2 - BRASS BALL VALVES - VALVOLE A SFERA IN OTTONE



2 WAY BALL VALVE VSEEISO



Specifications

(SIZE RANGE) DN15 TO DN50, 1/2" TO 2"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) BRASS PN 32/25

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +130C

DN 15	DN 20	DN 25	DN 32	DN 40	DN50
1 Nm	1,1 Nm	1.2 Nm	2 Nm	5 Nm	6 Nm

SOFT OPENING

ART. VSEEISO Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	32	32	32	32	25	25
CODICE	VSEEISO-1/2	VSEEISO-3/4	VSEEISO-1	VSEEISO-1 1/4	VSEEISO-1 1/2	VSEEISO-2

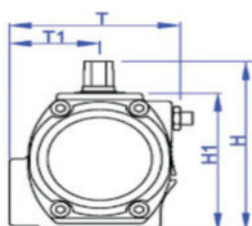
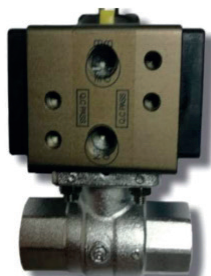


ART. VSEE

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	32	32	32	32	25	25
ATTUATORE	AT32DX	AT32DX	AT32DX	AT40DX	AT40DX	AT40DX
CODICE	VSEE -1/2-AT32DX	VSEE-3/4-AT32DX	VSEE -1-AT32DX	VSEE11/4-AT40DX	VSEE11/2-AT40DX	VSEE-2-AT40DX



ART. VSEE

Valvola a sfera con attuatore RD
Doppio Effetto

Ball valves with RD actuator D.E

BASSA PRESSIONE - LOW PRESSUR

H = 55 MM T = 45 MM L = 65 M

SIZE	1/2	3/4	1
PN	32	32	32
ATTUATORE	RD32	RD32	RD32
CODICE	VSEE -1/2-RD32	VSEE-3/4-RD32	VSEE -1-RD32



ART. VSEE

Valvola a sfera con attuatore
AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	32	32	32	32	25	25
ATTUATORE	AT52SX	AT52SX	AT52SX	AT52SX	AT52SX	AT52SX
CODICE	VSEE -1/2-AT52SX	VSEE-3/4-AT52SX	VSEE -1-AT52SX	VSEE11/4-AT52SX	VSEE11/2-AT52SX	VSEE-2-AT52SX



ART. VSEE

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	32	32	32	32	25	25
ATTUATORE	S20	S20	S20	S20	S20	S20
CODICE	VSEE -1/2-S20	VSEE-3/4-S20	VSEE -1-S20	VSEE11/4-S20	VSEE11/2-S20	VSEE-2-S20

2 WAY BALL VALVE VSFFISO



Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +120C

ART. VSFFISO

Valvola a sfera con flangia ISO 5211 - Ball valves with ISO 5211

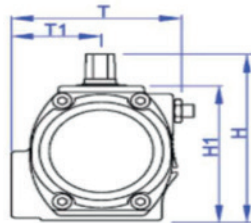
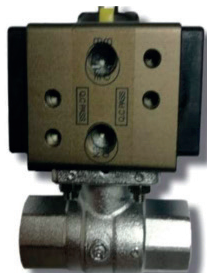
SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
CODICE	VSFFISO-1/4	VSFFISO-3/8	VSFFISO-1/2	VSFFISO-3/4	VSFFISO-1	VSFFISO-11/4
SIZE	1 1/2	2	2 1/2	3		
PN	25	25	25	25		
CODICE	VSFFISO-11/2	VSFFISO-2	VSFFISO-21/2	VSFFISO-3		



ART. VSDE Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
ATTUATORE	AT40DX	AT40DX	AT40DX	AT40DX	AT40DX	AT40DX
CODICE	VSDE1/4-AT40DX	VSDE3/8-AT40DX	VSDE1/2-AT40DX	VSDE3/4-AT40DX	VSDE1-AT40DX	VSDE11/4-AT40DX
SIZE	1 1/2	2	2 1/2	3		
PN	25	25	25	25		
ATTUATORE	AT40DX	AT63DX	AT63DX	AT63DX		
CODICE	VSDE11/2-AT40DX	VSDE2-AT63DX	VSDE21/2-AT63DX	VSDE3-AT63DX		



ART. VSDE Valvola a sfera con attuatore RD Doppio Effetto

Ball valves with RD actuator D.E

BASSA PRESSIONE - LOW PRESSUR

H = 55 MM T = 45 MM L = 65 MM

SIZE	1/4	3/8	1/2	3/4	1	
PN	16	16	16	16	16	
ATTUATORE	RD32	RD32	RD32	RD32	RD32	
CODICE	VSDE1/4-RD32	VSDE3/8-RD32	VSDE1/2-RD32	VSDE3/4-RD32	VSDE1-RD32	



ART. VSDE Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

BASSA PRESSIONE - LOW PRESSUR

SIZE	1/4	3/8	1/2	3/4	1	2
PN	16	16	16	16	16	16
ATTUATORE	AT32DX	AT32DX	AT32DX	AT32DX	AT32DX	AT52DX
CODICE	VSDE1/4-AT32DX	VSDE3/8-AT32DX	VSDE1/2-AT32DX	VSDE3/4-AT32DX	VSDE1-AT32DX	VSDE2-AT52DX



ART. VSDE Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
ATTUATORE	AT52SX	AT52SX	AT52SX	AT52SX	AT52SX	AT63SX
CODICE	VSDE1/4-AT52SX	VSDE3/8-AT52SX	VSDE1/2-AT52SX	VSDE3/4-AT52SX	VSDE1-AT52SX	VSDE11/4-AT63SX
SIZE	1 1/2	2	2 1/2	3		
PN	25	25	25	25		
ATTUATORE	AT75SX	AT75SX	AT75SX	AT92SX		
CODICE	VSDE11/2-AT75SX	VSDE2-AT75SX	VSDE21/2-AT75SX	VSDE3-AT92SX		



ART. VSDE Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
ATTUATORE	S20	S20	S20	S20	S20	S20
CODICE	VSDE1/4-S20	VSDE3/8-S20	VSDE1/2-S20	VSDE3/4-S20	VSDE1-S20	VSDE11/4-S20
SIZE	1 1/2	2	2 1/2	3		
PN	25	25	25	25		
ATTUATORE	S20	S35	S35	S35		
CODICE	VSDE11/2-S20	VSDE2-S35	VSDE21/2-S35	VSDE3-S35		



3 WAY BALL VALVE VS3LISO - VS3TISO



Specifications

(SIZE RANGE) DN08 TO DN 50, 1/4" TO 2"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) BRASS PN 30 L OR T

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +120C

ART. VS3TISO forata a T - VS3LISO forata a L ISO 5211 Bored Ball as L or T

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	30	30	30	30	20	20
Art. T	VS3TISO-1/4	VS3TISO-3/8	VS3TISO-1/2	VS3TISO-3/4	VS3TISO-1	VS3TISO-11/4
Art. L	VS3LISO-1/4	VS3LISO-3/8	VS3LISO-1/2	VS3LISO-3/4	VS3LISO-1	VS3LISO-11/4
SIZE	1 1/2	2				
PN	16	16				
Art. T	VS3TISO-11/2	VS3TISO-2				
Art. L	VS3LISO-11/2	VS3LISO-2				



ART. VS3TDE Valvola a sfera con attuatore AT Doppio Effetto

ART. VS3LDE Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	30	30	30	30	20	20
ATTUAT.	AT40DX	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX
Art. T	VS3TDE1/4-AT40D	VS3TDE3/8-AT40D	VS3TDE1/2-AT40D	VS3TDE3/4-AT40D	VS3TDE1-AT40D	VS3TDE114-AT52D
Art. L	VS3LDE1/4-AT40D	VS3LDE3/8-AT40D	VS3LDE1/2-AT40D	VS3LDE3/4-AT40D	VS3LDE1-AT40D	VS3LDE114-AT52D
SIZE	1 1/2	2				
PN	16	16				
ATTUAT.	AT63DX	AT63DX				
Art. T	VS3TDE112-AT63D	VS3TDE-2-AT63DX				
Art. L	VS3LDE112-AT63D	VS3LDE-2-AT63DX				



ART. VS3TDE

Valvola a sfera con attuatore AT Doppio Effetto

ART. VS3LDE

Ball valves with AT actuator D.E

BASSA PRESSIONE - LOW PRESSUR

SIZE	1/4	3/8	1/2
PN	16	16	16
ATTUATORE	AT32DX	AT32DX	AT32DX
Art. T	VS3TDE1/4-AT32D	VS3TDE3/8-AT32D	VS3TDE1/2-AT32D
Art. L	VS3LDE1/4-AT32D	VS3LDE3/8-AT32D	VS3LDE1/2-AT32D



ART. VS3TDE

Valvola a sfera con attuatore AT Semplice Effetto

ART. VS3LDE

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
ATTUAT.	AT52SX	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX
Art. T	VS3TDE1/4-AT52S	VS3TDE3/8-AT52S	VS3TDE1/2-AT52S	VS3TDE3/4-AT63S	VS3TDE1-AT63S	VS3TDE114-AT75S
Art. L	VS3LDE1/4-AT52S	VS3LDE3/8-AT52S	VS3LDE1/2-AT52S	VS3LDE3/4-AT63S	VS3LDE1-AT63S	VS3LDE114-AT75S
SIZE	1 1/2	2				
PN	25	25				
ATTUAT.	AT75SX	AT83SX				
Art. T	VS3TDE112-AT75S	VS3TDE2-AT83SX				
Art. L	VS3LDE112-AT75S	VS3LDE2-AT83SX				



ART. VS3TDE

Valvola a sfera con attuatore RD Doppio Effetto

ART. VS3LDE

Ball valves with RD actuator D.E

BASSA PRESSIONE - LOW PRESSUR

SIZE	1/4	3/8	1/2	3/4	1
PN	16	16	16	16	16
ATTUATORE	RD32	RD32	RD32	RD32	RD32
Art. T	VS3TDE1/4-RD32	VS3TDE3/8-RD32	VS3TDE1/2-RD32	VS3TDE3/4-RD32	VS3TDE1-RD32
Art. L	VS3LDE1/4-RD32	VS3LDE3/8-RD32	VS3LDE1/2-RD32	VS3LDE3/4-RD32	VS3LDE1-RD32



ART. VS3TDE

Valvola a sfera con attuatore J4C Elettrico

ART. VS3LDE

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	40	40	40	40	40	25
ATTUATORE	S20	S20	S20	S20	S20	S20
Art. T	VS3TDE1/4-S20	VS3TDE3/8-S20	VS3TDE1/2-S20	VS3TDE3/4-S20	VS3TDE1-S20	VS3TDE11/4-S20
Art. L	VS3LDE1/4-S20	VS3LDE3/8-S20	VS3LDE1/2-S20	VS3LDE3/4-S20	VS3LDE1-S20	VS3LDE11/4-S20
SIZE	1 1/2	2				
PN	25	25				
ATTUATORE	S20	S35				
Art. T	VS3TDE11/2-S20	VS3TDE2-S35				
Art. L	VS3LDE11/2-S20	VS3LDE2-S35				



2 WAY BALL VALVE VSFFAP



Specifications 210 BAR

(SIZE RANGE) DN10 TO DN100, 3/8" TO 1"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) BRASS PN 210

(BALL MATERIALS) BRASS

(SEALING MATERIALS) POM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +80C

ART. VSFFAP Valvola a sfera Ottone 210 Bar - Ball valves 210 Bar

SIZE	3/8	1/2	3/4	1
PN	210	210	210	210
CODICE	VSFFAP-3/8	VSFFAP-1/2	VSFFAP-3/4	VSFFAP-1



ART. VSFFAP

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	3/8	1/2	3/4	1
PN	210	210	210	210
ATTUATORE	AT40DX	AT40DX	AT63DX	AT63DX
CODICE	VSFFAP3/8-AT40D	VSFFAP1/2-AT40D	VSFFAP3/4-AT63D	VSFFAP1-AT63D
KIT	K1BA0003	K1BA0003	K1BA0005	K1BA0005



ART. VSFFAP

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	3/8	1/2	3/4	1
PN	210	210	210	210
ATTUATORE	AT63SX	AT63SX	AT75SX	AT83SX
CODICE	VSFFAP3/8-AT63S	VSFFAP1/2-AT63S	VSFFAP3/4-AT75S	VSFFAP1-AT83S
KIT	K1BA0103	K1BA0103	K1BA0105	K1BA0105



ART. VSFFAP

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	3/8	1/2	3/4	1
PN	210	210	210	210
ATTUATORE	S20	S20	S55	S55
CODICE	VSFFAP3/8-S20	VSFFAP1/2-S20	VSFFAP3/4-S55	VSFFAP1-S55
KIT	K1BA0003	K1BA0003	K1BA0005	K1BA0005

3 - INOX BALL VALVES - VALVOLE IN ACCIAIO INOX

2 WAY BALL VALVE VSXDE



Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 PN 63

(BALL MATERIALS) INOX 316

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +180C

ART. VSXFFISO Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
CODICE	VSXFFISO-1/4	VSXFFISO-3/8	VSXFFISO-1/2	VSXFFISO-3/4	VSXFFISO-1	VSXFFISO-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
CODICE	VSXFFISO-11/2	VSXFFISO-2	VSXFFISO-21/2	VSXFFISO-3	VSXFFISO-4	



ART. VSXDE

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTUATORE	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX
CODICE	VSXDE1/4-AT40DX	VSXDE3/8-AT40D	VSXDE1/2-AT40D	VSXDE3/4-AT40D	VSXDE1-AT52D	VSXDE114-AT52D
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATTUATORE	AT63DX	AT63DX	AT83DX	AT92DX	AT105DX	
CODICE	VSXDE112-AT63D	VSXDE2-AT63DX	VSXDE212-AT83D	VSXDE3-AT92DX	VSXDE4-AT105DX	



ART. VSXDE

**Valvola a sfera con attuatore AT
Semplice Effetto**

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTUATORE	AT52SX	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX
CODICE	VSXDE1/4-AT52SX	VSXDE3/8-AT52S	VSXDE1/2-AT52S	VSXDE3/4-AT63S	VSXDE1-AT63S	VSXDE114-AT75S
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATTUATORE	AT75SX	AT83SX	AT105SX	AT125SX	AT140SX	
CODICE	VSXDE112-AT75S	VSXDE2-AT83S	VSXDE212-AT105S	VSXDE3-AT125S	VSXDE4AT140S	



ART. VSXDE

**Valvola a sfera con attuatore UT
Doppio Effetto**

Ball valves with UT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTUATORE	UT10	UT10	UT10	UT10	UT10	UT13
CODICE	VSXDE1/4-UT10	VSXDE3/8-UT10	VSXDE1/2-UT10	VSXDE3/4-UT10	VSXDE1-UT10	VSXDE114-UT13
SIZE	1 1/2	2				
PN	63	63				
ATTUATORE	UT13	UT18				
CODICE	VSXDE11/2-UT13	VSXDE2-UT18				



ART. VSXDE

**Valvola a sfera con attuatore UT
Semplice Effetto**

Ball valves with UT actuator S.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTUATORE	UT10S2	UT10S2	UT13S3	UT13S3	UT18S4	UT18S4
CODICE	VSXDE1/4-UT10S2	VSXDE-3/8UT10S2	VSXDE1/2-UT13S3	VSXDE3/4-UT13S3	VSXDE1-UT18S4	VSXDE114-UT18S4



ART. VSXDE

**Valvola a sfera con attuatore J4C
Elettrico**

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTUATORE	S20	S20	S20	S20	S20	S20
CODICE	VSXDE1/4-S20	VSXDE3/8-S20	VSXDE1/2-S20	VSXDE3/4-S20	VSXDE1-S20	VSXDE11/4-S20
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATTUATORE	S35	S35	S85	S140	S300	
CODICE	VSXDE11/2-S35	VSXDE2-S35	VSXDE21/2-S85	VSXDE3-S140	VSXDE4-S300	



2 WAY BALL VALVE VSX 54

140 Bar



Specifications 140 BAR

(SIZE RANGE) DN08 TO DN80, 1/4" TO 3"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX PN 140

(BALL MATERIALS) INOX

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +150C

ART. VSX54

Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	140	140	140	140	140	140
CODICE	VSX54-1/4	VSX54-3/8	VSX54-1/2	VSX54-3/4	VSX54-1	VSX54-11/4
SIZE	1 1/2	2				
PN	140	140				
CODICE	VSX54-11/2	VSX54-2				



ART. VSX54

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	140	140	140	140	140	140
ATTUATORE	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX
CODICE	VSX54-1/4-AT40DX	VSX54-3/8-AT40D	VSX54-1/2-AT40D	VSX54-3/4-AT40D	VSX54-1-AT52D	VSX54-114-AT52D
SIZE	1 1/2	2				
PN	140	140				
ATTUATORE	AT63DX	AT83DX				
CODICE	VSX54-112-AT63D	VSX54-2-AT83DX				



ART. VSX54

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	140	140	140	140	140	140
ATTUATORE	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT75SX
CODICE	VSX54-1/4-AT52SX	VSX54-3/8-AT52S	VSX54-1/2-AT52S	VSX54-3/4-AT63S	VSX54-1-AT75S	VSX54-11/4-AT75S
SIZE	1 1/2	2				
PN	140	140				
ATTUATORE	AT83SX	AT92SX				
CODICE	VSX54-112-AT83SX	VSX54-2-AT92S				



ART. VSX54

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	140	140	140	140	140	140
ATTUATORE	S20	S20	S20	S20	S35	S35
CODICE	VSX54-1/4-S20	VSX54-3/8-S20	VSX54-1/2-S20	VSX54-3/4-S20	VSX54-1-S35	VSX54-11/4-S35
SIZE	1 1/2	2				
PN	140	140				
ATTUATORE	S55	S85				
CODICE	VSX54-11/2-S55	VSX54-2-S85				

2 WAY BALL VALVE VSX54E

200 Bar-
3000WOG



Specifications 200 BAR

(SIZE RANGE) DN10 TO DN25, 3/8" TO 1"

DN10-DN25 , 3/8-1

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX PN 3000 WOG-200 BAR

(BALL MATERIALS) INOX

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING

SINGLE ACTING AND

ELECTRIC ACTUATOR

(TEMPERATURE) -20 +150C

ART. VSX54E

Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	3/8	1/2	3/4	1
PN	200	200	200	200
CODICE	VSX54E-3/8	VSX54E-1/2	VSX54E-3/4	VSX54E-1



ART. VSX54E

Valvola a sfera con attuatore AT
Doppio Effetto

Ball valves with AT actuator D.E

SIZE	3/8	1/2	3/4	1
PN	200	200	200	200
ATTUATORE	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	VSX54E-3/8-AT40D	VSX54E-1/2-AT52D	VSX54E-3/4-AT63D	VSX54E-1-AT63D



ART. VSX54E

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	3/8	1/2	3/4	1
PN	200	200	200	200
ATTUATORE	AT52SX	AT63SX	AT75SX	AT75SX
CODICE	VSX54E-3/8-AT52S	VSX54E-1/2-AT63S	VSX54E-3/4-AT75S	VSX54E-1-AT75S



ART. VSX54E

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	3/8	1/2	3/4	1
PN	200	200	200	200
ATTUATORE	S20	S20	S55	S55
CODICE	VSX54E-3/8-S20	VSX54E-1/2-S20	VSX54E-3/4-S55	VSX54E-1-S55



2 WAY BALL VALVE CAMVI20/20R



Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) AISI 316 PN 100-64

(DISC MATERIALS) INOX 316

(SEALING MATERIALS) PTFE - DELRIN

(TEMPERATURE) -10 +180C

ON REQUEST:

800PSI-3000PSI

2500PSI-6000PSI

PTFE + CARBON GRAFITE

BSP OR NPT MALE AND FEMALE ENDS

SW-BW ENDS

FIRE SAFE

ANTISTATIC DEVICE

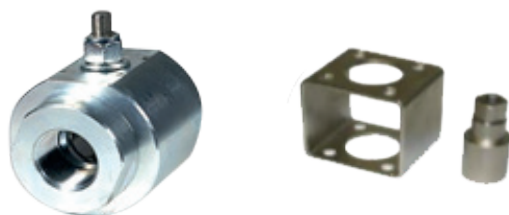
TA-LUFT EXECUTION

EXECUTION FOR GAS SERVICE

DEGREASING FOR OXIGEN

ART. CAMVI20 Valvola a sfera con leva - Ball valves with lever

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
CODICE	CAMVI20-1/4	CAMVI20-3/8	CAMVI20-1/2	CAMVI20-3/4	CAMVI20-1	CAMVI20-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	100	100	64	64	64	
CODICE	CAMVI20-11/2	CAMVI20-2	CAMVI20-21/2	CAMVI20-3	CAMVI20-4	



Mounting Bracket

ART. CAMVI20R Valvola a sfera ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
CODICE	CAMVI20R-1/4	CAMVI20R-3/8	CAMVI20R-1/2	CAMVI20R-3/4	CAMVI20R-1	CAMVI20R-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	100	100	64	64	64	
CODICE	CAMVI20R-11/2	CAMVI20R-2	CAMVI20R-21/2	CAMVI20R-3	CAMVI20R-4	



ART. CAMVI20R

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	AT52DX	AT52DX	AT63DX	AT63DX	AT63DX	AT92DX
CODICE	CVI20R-14-AT52D	CVI20R-38-AT52D	CVI20R-12-AT63D	CVI20R-34-AT63D	CVI20R-1-AT63D	CVI20R-114-AT92D
SIZE	1 1/2	2				
PN	100	100				
ATTU.	AT105DX	AT105DX				
CODICE	CVI20R-112-AT105D	CVI20R-2-AT105D				



ART. CAMVI20R

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX	AT105SX
CODICE	CVI20R-14-AT63S	CVI20R-38-AT63S	CVI20R-12-AT75S	CVI20R-34-AT75S	CVI20R-1-AT83S	CVI20R-114-AT105S
SIZE	1 1/2	2				
PN	100	100				
ATTU.	AT105SX	AT125SX				
CODICE	CVI20R-112-AT105S	CVI20R-2-AT125S				



ART. CAMVI20R

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C

Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	S35	S35	S35	S55	S55	S140
CODICE	CVI20R-14-S35	CVI20R-38-S35	CVI20R-12-S35	CVI20R-34-S55	CVI20R-1-S55	CVI20R-114-S140
SIZE	1 1/2	2				
PN	100	100				
ATTU.	S140	S300				
CODICE	CVI20R-112-S140	CVI20R-2-S300				



3 PZ BALL VALVE VSX3PISO



Specifications

- (SIZE RANGE) DN08 TO DN100, 1/4" TO 4"
- (OPERATING PRESSURE) 8 BAR
- (BODY MATERIALS) INOX 316 PN 63
- (BALL MATERIALS) INOX 316
- (SEALING MATERIALS) PTFE
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR
- (TEMPERATURE) -25 +180C

ART. VSX3PDE

**Valvola a sfera a 3 pezzi ISO 5211 filettata gas
Ball valves with ISO 5211**

ART. VSX3PSW

**Valvola a sfera a 3 pezzi ISO 5211 a saldare di tasca
SW Ball valves with ISO 5211**

ART. VSX3PBW

**Valvola a sfera a 3 pezzi ISO 5211 a saldare di testa
BW Ball valves with ISO 5211**



BW



SW

BW BUTT WELD CONNECTIONS

SW SOCKET WELD CONNECTION

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
GAS	VSX3PISO-1/4	VSX3PISO-3/8	VSX3PISO-1/2	VSX3TISO-3/4	VSX3PISO-1	VSX3PISO-11/4
SW	VSX3PSW-1/4	VSX3PSW-3/8	VSX3PSW-1/2	VSX3PSW-3/4	VSX3PSW-1	VSX3PSW-11/4
BW	VSX3PBW-1/4	VSX3PBW-3/8	VSX3PBW-1/2	VSX3PBW-3/4	VSX3PBW-1	VSX3PBW-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
GAS	VSX3PISO-11/2	VSX3PISO-2	VSX3PISO-21/2	VSX3PISO-3	VSX3PISO-4	
SW	VSX3PSW-11/2	VSX3PSW-2	VSX3PSW-21/2	VSX3PSW-3	VSX3PSW-4	
BW	VSX3PBW-11/2	VSX3PBW-2	VSX3PBW-21/2	VSX3PBW-3	VSX3PBW-4	



ART. VSX3PDE

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX3PSW

Ball valves with AT actuator D.E

ART. VSX3PBW

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX
GAS	VSX3PDE1/4-AT40D	VSX3PDE3/8-AT40D	VSX3PDE1/2-AT40D	VSX3PDE3/4-AT40D	VSX3PDE1-AT52D	VSX3PDE11/4-AT52D
SW	VSX3PSW1/4-AT40D	VSX3PSW3/8-AT40D	VSX3PSW1/2-AT40D	VSX3PSW3/4-AT40D	VSX3PSW1-AT52D	VSX3PSW11/4-AT52D
BW	VSX3PBW1/4-AT40D	VSX3PBW3/8-AT40D	VSX3PBW1/2-AT40D	VSX3PBW3/4-AT40D	VSX3PBW1-AT52D	VSX3PBW11/4-AT52D
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	AT63DX	AT63DX	AT83DX	AT92DX	AT105DX	
GAS	VSX3PDE112-AT63D	VSX3PDE2-AT63D	VSX3PDE212-AT83D	VSX3PDE3-AT92D	VSX3PDE4AT105D	
SW	VSX3PSW112-AT63D	VSX3PSW2-AT63D	VSX3PSW212-AT83D	VSX3PSW3-AT92D	VSX3PSW4AT105D	
BW	VSX3PBW112-AT63D	VSX3PBW2-AT63D	VSX3PBW212-AT83D	VSX3PBW3-AT92D	VSX3PBW4AT105D	



ART. VSX3PDE

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

ART. VSX3PSW

10 Spring Single Acting

ART. VSX3PBW

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	AT52SX	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX
GAS	VSX3PDE1/4-AT52S	VSX3PDE3/8-AT52S	VSX3PDE1/2-AT52S	VSX3PDE3/4-AT63S	VSX3PDE1-AT63S	VSX3PDE11/4-AT75S
SW	VSX3PSW1/4-AT52S	VSX3PSW3/8-AT52S	VSX3PSW1/2-AT52S	VSX3PSW3/4-AT63S	VSX3PSW1-AT63S	VSX3PSW11/4-AT75S
BW	VSX3PBW1/4-AT52S	VSX3PBW3/8-AT52S	VSX3PBW1/2-AT52S	VSX3PBW3/4-AT63S	VSX3PBW1-AT63S	VSX3PBW11/4-AT75S
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	AT75SX	AT83SX	AT105SX	AT125SX	AT140SX	
GAS	VSX3PDE112-AT75S	VSX3PDE2-AT83S	VSX3PDE212AT105S	VSX3PDE3-AT125S	VSX3PDE4-AT140S	
SW	VSX3PSW112-AT75S	VSX3PSW2-AT83S	VSX3PSW212AT105S	VSX3PSW3-AT125S	VSX3PSW4AT140S	
BW	VSX3PBW112-AT75S	VSX3PBW2-AT83S	VSX3PBW212AT105S	VSX3PBW3-AT125S	VSX3PBW4AT140S	



ART. VSX3PDE

Valvola a sfera con attuatore J4C Elettrico

ART. VSX3PSW

Ball valves with J4C Electric actuator

ART. VSX3PBW

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	S20	S20	S20	S20	S20	S20
GAS	VSX3PDE1/4-S20	VSX3PDE3/8-S20	VSX3PDE1/2-S20	VSX3PDE3/4-S20	VSX3PDE1-S20	VSX3PDE11/4-S20
SW	VSX3PSW1/4-S20	VSX3PSW3/8-S20	VSX3PSW1/2-S20	VSX3PSW3/4-S20	VSX3PSW1-S20	VSX3PSW11/4-S20
BW	VSX3PBW1/4-S20	VSX3PBW3/8-S20	VSX3PBW1/2-S20	VSX3PBW3/4-S20	VSX3PBW1-S20	VSX3PBW11/4-S20
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	S35	S35	S85	S140	S300	
GAS	VSX3PDE11/2-S35	VSX3PDE2-S35	VSX3PDE21/2-S85	VSX3PDE3-S140	VSX3PDE4-S300	
SW	VSX3PSW11/2-S35	VSX3PSW2-S35	VSX3PSW21/2-S85	VSX3PSW3-S140	VSX3PSW4-S300	
BW	VSX3PBW11/2-S35	VSX3PBW2-S35	VSX3PBW21/2-S85	VSX3PBW3-S140	VSX3PBW4-S300	


Specifications PN 100

(SIZE RANGE) DN08 TO DN100,
1/4" TO 4" ISO 228-BSP

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25
SANDBLASTEDS

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

BUTT WELDING

SOCKET WELDING

INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD

ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20-170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20+200C

CONNECTION : NPT

ART. VSX3PIT
**Valvola a sfera a 3 pezzi
ISO 5211 filettata gas**
Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
CODICE	VSX3PIT-1/4	VSX3PIT-3/8	VSX3PIT-1/2	VSX3PIT-3/4	VSX3PIT-1	VSX3PIT-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
CODICE	VSX3PIT-11/2	VSX3PIT-2	VSX3PIT-21/2	VSX3PIT-3	VSX3PIT-4	


ART. VSX3PIT
**Valvola a sfera con attuttore AT
Doppio Effetto**
Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX
COD.	VSX3PIT1/4-AT40D	VSX3PIT3/8-AT40D	VSX3PIT1/2-AT40D	VSX3PIT3/4-AT40D	VSX3PIT1-AT52D	VSX3PIT114-AT52D
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	AT63DX	AT63DX	AT83DX	AT92DX	AT105DX	
COD.	VSX3DE112-AT63D	VSX3PIT2-AT63D	VSX3PIT212-AT83D	VSX3PIT3-AT92D	VSX3PIT4AT105D	



ART. VSX3PIT

**Valvola a sfera con attuatore AT
Semplice Effetto**

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	AT52SX	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX
COD.	VSX3PIT1/4-AT52S	VSX3PIT3/8-AT52S	VSX3PIT1/2-AT52S	VSX3PIT3/4-AT63S	VSX3PIT1-AT63S	VSX3PIT11/4-AT75S
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	AT75SX	AT83SX	AT105SX	AT125SX	AT140SX	
COD.	VSX3PIT11/2-AT75S	VSX3PIT2-AT83S	VSX3PIT21/2-AT105S	VSX3PIT3-AT125S	VSX3PIT4-AT140S	



ART. VSX3PIT

**Valvola a sfera con attuatore
J4C Elettrico**

**Ball valves with J4C
Electric actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATT	S20	S20	S20	S20	S20	S20
COD.	VSX3PIT1/4-S20	VSX3PIT3/8-S20	VSX3PIT1/2-S20	VSX3PIT3/4-S20	VSX3PIT1-S20	VSX3PIT11/4-S20
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
ATT.	S35	S35	S85	S140	S300	
COD.	VSX3PIT11/2-S35	VSX3PIT2-S35	VSX3PIT21/2-S85	VSX3PIT3-S140	VSX3PIT4-S300	

2 WAY BALL VALVE VSX64 - VSX64MF - VSX64MM



Specifications PN 100

(SIZE RANGE) DN08 TO DN100,
1/4" TO 4" ISO 228-BSP

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

BUTT WELDING

SOCKET WELDING

INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD
ANTISTATIC DEVICE ATEX II 2 G-D
T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

CONNECTION : NPT

ART. VSX64

Valvola a sfera
ISO 5211 filettata gas

Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
CODICE	VSX64-1/4	VSX64-3/8	VSX64-1/2	VSX64-3/4	VSX64-1	VSX64-11/4
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
CODICE	VSX64-11/2	VSX64-2	VSX64-21/2	VSX64-3		



ART. VSX64

Valvola a sfera con attuatore AT
Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATT	AT40DX	AT40DX	AT40DX	AT63DX	AT63DX	AT63DX
GAS	VSX64-1/4-AT40D	VSX64-3/8-AT40D	VSX64-1/2-AT40D	VSX64-3/4-AT63D	VSX64-1-AT63D	VSX64-11/4-AT63D
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
ATT.	AT63DX	AT75DX	AT83DX	AT92DX		
GAS	VSX64-11/2-AT63D	VSX64-2-AT75D	VSX64-21/2-AT83D	VSX64-3-AT92D		



ART. VSX64

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATT	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT75SX
COD.	VSX64-1/4-AT52S	VSX64-3/8-AT52S	VSX64-1/2-AT52S	VSX64-3/4-AT63S	VSX64-1-AT75S	VSX64-11/4-AT75S
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
ATT.	AT83SX	AT92SX	AT105SX	AT125SX		
COD.	VSX64-11/2-AT83S	VSX64-2-AT92S	VSX64-212-AT105S	VSX64-3-AT125S		



ART. VSX64

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATT	S20	S20	S20	S20	S35	S35
COD.	VSX64-1/4-S20	VSX64-3/8-S20	VSX64-1/2-S20	VSX64-3/4-S20	VSX64-1-S35	VSX64-11/4-S35
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
ATT.	S55	S55	S85	S140		
COD.	VSX64-11/2-S55	VSX64-2-S55	VSX64-212-S85	VSX64-3-S140		

2 WAY BALL VALVE VSX65 - VSX65MF - VSX65MM



Specifications PN 200 SABBBIATA Sandblasted



(SIZE RANGE) DN15 TO DN50,

1/2" TO 2" ISO 228 - BSP

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 PN 200-64

(BALL MATERIALS) INOX 316

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

BUTT WELDING

SOCKET WELDING

INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD

ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20 +200C

CONNECTION : NPT

ART. VSX65

**Valvola a sfera ISO
5211 filettata gas**

Ball valves with ISO 5211

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	200	200	160	100	64	64
CODICE	VSX65-1/2	VSX65-3/4	VSX65-1	VSX65-11/4	VSX65-11/2	VSX65-2



ART. VSX65

**Valvola a sfera con attuatore AT
Doppio Effetto**

Ball valves with AT actuator D.E

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	200	200	160	100	64	64
ATT	AT40DX	AT52DX	AT52DX	AT63DX	AT632DX	AT75DX
COD.	VSX65-1/2-AT40D	VSX65-3/4-AT52D	VSX65-1-AT52D	VSX65-11/4-AT63D	VSX65-11/2-AT63D	VSX65-2-AT75D



ART. VSX65

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	200	200	160	100	64	64
ATT	AT52SX	AT63SX	AT75SX	AT75SX	AT83SX	AT92SX
COD.	VSX65-1/2-AT52S	VSX65-3/4-AT63S	VSX65-1-AT75S	VSX65-11/4-AT75S	VSX65-11/2-AT83S	VSX65-2-AT92S



ART. VSX65

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	200	200	160	100	64	64
ATT	S20	S20	S35	S35	S55	S55
COD	VSX65-1/2-S20	VSX65-3/4-S20	VSX65-1-S35	VSX65-11/4-S35	VSX65-11/2-S55	VSX65-2-S55

2 WAY BALL VALVE VSX52



Specifications PN 200 BAR

(SIZE RANGE) , 1/4" TO 1"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 200/160

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

BUTT WELDING

SOCKET WELDING

INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD

ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20 +200C

CONNECTION : NPT

ART. VSX52

Valvola a sfera ISO 5211 filettata gas

Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1
PN	200	200	200	200	200
CODICE	VSX52-1/4	VSX52-3/8	VSX52-1/2	VSX52-3/4	VSX52-1



ART. VSX52

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1
PN	200	200	200	200	200
ATT	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	VSX52-1/4-AT40D	VSX52-3/8-AT40D	VSX52-1/2-AT52D	VSX52-3/4-AT63D	VSX52-1-AT63D



ART. VSX52

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1
PN	200	200	200	200	20
ATT	AT63SX	AT63SX	AT63SX	AT75SX	AT83SX
CODICE	VSX52-1/4-AT63S	VSX52-3/8-AT63S	VSX52-1/2-AT63S	VSX52-3/4-AT75S	VSX52-1-AT83S



ART. VSX52

Valvola a sfera con attuatore J4C elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1
PN	200	200	200	200	200
ATT	S20	S20	S20	S35	S35
CODICE	VSX52-1/4-S20	VSX52-3/8-S20	VSX52-1/2-S20	VSX52-3/4-S35	VSX52-1-S35

2 WAY BALL VALVE VSX50



Specifications PN 400 BAR

(SIZE RANGE) 1/4" TO 1"
 (OPERATING PRESSURE) 8 BAR
 (BODY MATERIALS) INOX 316 L
 (BALL MATERIALS) INOX 316 L
 (SEALING MATERIALS) DEVLON (NO WATER)
 (ACTING MODE) PNEUMATIC DOUBLE ACTING,
 SINGLE ACTING AND ELECTRIC
 ACTUATOR
 (TEMPERATURE) -20 +125C

ON REQUEST:
 PN 250 SEAL PTFE VSX-50P FOR WATER
 ANTISTATIC DEVICE ATEX II 2 G-D T4
 CONNECTION: NPT FEMALE/FEMALE THREAD

ART. VSX50 Valvola a sfera ISO 5211 filettata gas Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
CODICE	VSX50-1/4	VSX50-3/8	VSX50-1/2	VSX50-3/4	VSX50-1



ART. VSX50

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	AT63DX	AT63DX	AT63DX	AT75DX	AT75DX
CODICE	VSX50-1/4-AT63D	VSX50-3/8-AT63D	VSX50-1/2-AT63D	VSX50-3/4-AT75D	VSX50-1-AT75D



ART. VSX50

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	AT75SX	AT75SX	AT83SX	AT92SX	AT92SX
CODICE	VSX50-1/4-AT75S	VSX50-3/8-AT75S	VSX50-1/2-AT83S	VSX50-3/4-AT92S	VSX50-1-AT92S



ART. VSX50

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	S35	S35	S35	S55	S55
CODICE	VSX50-1/4-S35	VSX50-3/8-S35	VSX50-1/2-S35	VSX50-3/4-S55	VSX50-1-S55

ENOLOGICAL BALL VALVE PN 16



2 WAY BALL VALVE VSX72 - VSX73



Specifications PN 16/6 VSX72 AISI 304L VSX73 AISI 316L

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(CONNECTION:) CLAMP BS 4825

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16/6

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) PTFE +NBR

PTFE +FKM

PTFE +EPDM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR

(TEMPERATURE) -10 +100C

ART. VSX72
ART. VSX73

Valvola a sfera CLAMP BS AISI 304
Valvola a sfera CLAMP BS AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	1	1 1/2	2	2 1/2	3	4
PN	16	16	16	16	10	10
CODICE	VSX72-1	VSX72-11/2	VSX72-2	VSX72-21/2	VSX72-3	VSX72-4



ART. VSX72

Valvola a sfera con attuatore AT
Doppio Effetto

ART. VSX73

Ball valves with AT actuator D.E

SIZE	1	1 1/2	2	2 1/2	3	4
PN	16	16	16	16	10	10
ATT	AT52DX	AT63DX	AT75DX	AT83DX	AT83DX	AT105DX
CODICE	VSX72-1-AT52D	VSX72-11/2-AT63D	VSX72-2-AT75D	VSX72-21/2-AT83D	VSX72-3-AT83D	VSX72-4-AT105D



ART. VSX72

**Valvola a sfera con attuttore AT
Semplice Effetto**

ART. VSX73

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1	1 1/2	2	2 1/2	3	4
PN	16	16	16	16	10	10
ATT	AT63SX	AT83SX	AT83SX	AT105SX	AT125SX	AT125SX
CODICE	VSX72-1-AT63S	VSX72-11/2-AT83S	VSX72-2-AT83S	VSX72-21/2-AT105S	VSX72-3-AT125S	VSX72-4-AT125S



ART. VSX72

**Valvola a sfera con attuttore
J4C Elettrico**

ART. VSX73

**Ball valves with J4C Electric
actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1	1 1/2	2	2 1/2	3	4
PN	16	16	16	16	10	10
ATT	S20	S35	S55	S85	S85	S300
CODICE	VSX72-1-S20	VSX72-11/2-S35	VSX72-2-S55	VSX72-21/2-S85	VSX72-3-S85	VSX72-4-S300



2 WAY BALL VALVE VSX72A - VSX73A



Specifications PN 16/6

VSX72A AISI 304L VSX73A AISI 316L

(SIZE RANGE) DN10 TO DN100,

(CONNECTION:) CLAMP ISO 2852

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16/6

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) PTFE +NBR

PTFE +FKM

PTFE +EPDM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR

(TEMPERATURE) -10 +100C

ART. VSX72A
ART. VSX73A

Valvola a sfera CLAMP ISO 2852 AISI 304
Valvola a sfera CLAMP ISO 2852 AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	10/10	10/15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX72A-10	VSX72A-15	VSX72A-20	VSX72A-25	VSX72A-32	VSX72A-40
SIZE	50	65	80	100		
PN	16	10	10	10		
CODICE	VSX72A-50	VSX72A-65	VSX72A-80	VSX72A-100		



ART. VSX72A

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX73A

Ball valves with AT actuator D.E

SIZE	10/10	10/15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VSX72A-10-AT40D	VSX72A-15-AT40D	VSX72A-20-AT40D	VSX72A-25-AT52D	VSX72A-32-AT52D	VSX72A-40-AT63D
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	AT75DX	AT83DX	AT83DX	AT105DX		
CODICE	VSX72A-50-AT75D	VSX72A-65-AT83D	VSX72A-80-AT83D	VSX72A100-AT105D		



ART. VSX72A

**Valvola a sfera con attuatore AT
Semplice Effetto**

ART. VSX73A

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	10/10	10/15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX	AT83SX
CODICE	VSX72A-10-AT52S	VSX72A-15-AT52S	VSX72A-20-AT63S	VSX72A-25-AT63S	VSX72A-32-AT75S	VSX72A-40-AT83S
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	AT83SX	AT105SX	AT125SX	AT125SX		
CODICE	VSX72A-50-AT83S	VSX72A-65-AT105S	VSX72A-80-AT125S	VSX72A100-AT125S		



ART. VSX72A

**Valvola a sfera con attuatore
J4C Elettrico**

ART. VSX73A

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	10/10	10/15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	VSX72A-10-S20	VSX72A-15-S20	VSX72A-20-S20	VSX72A-25-S20	VSX72A-32-S35	VSX72A-40-S35
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	S55	S85	S85	S300		
CODICE	VSX72A-50-S55	VSX72A-65-S85	VSX72A-80-S85	VSX72A100-S300		


2 WAY BALL VALVE VSX72B-VSX73B

**Specifications PN 16/6
VSX72B AISI 304L VSX73B AISI 316L**

- (SIZE RANGE) DN10 TO DN100
- (CONNECTION:) CLAMP DIN32676
- (OPERATING PRESSURE) 8 BAR
- (BODY MATERIALS) INOX A304L/A316L PN 16/6
- (DISC MATERIALS) INOX A304L/A316L
- (SEALING MATERIALS) PTFE +NBR
PTFE +FKM
PTFE +EPDM
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR
- (TEMPERATURE) -10 +100C

ART. VSX72B
ART. VSX73B

Valvola a sfera CLAMP DIN 32676 AISI 304
Valvola a sfera CLAMP DIN 32676 AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX72B-10	VSX72B-15	VSX72B-20	VSX72B-25	VSX72B-32	VSX72B-40
SIZE	50	65	80	100		
PN	16	10	10	10		
CODICE	VSX72B-50	VSX72B-65	VSX72B-80	VSX72B-100		



ART. VSX72B

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX73B

Ball valves with AT actuator D.E

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VSX72B-10-AT40D	VSX72B-15-AT40D	VSX72B-20-AT40D	VSX72B-25-AT52D	VSX72B-32-AT52D	VSX72B-40-AT63D
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	AT75DX	AT83DX	AT83DX	AT105DX		
CODICE	VSX72B-50-AT75D	VSX72B-65-AT83D	VSX72B-80-AT83D	VSX72B100-AT105D		



ART. VSX72B

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX73B

**Ball valves with AT actuator S.E
10 Spring Single Acting**

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX	AT83SX
CODICE	VSX72B-10-AT52S	VSX72B-15-AT52S	VSX72B-20-AT63S	VSX72B-25-AT63S	VSX72B-32-AT75S	VSX72B-40-AT83S
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	AT83SX	AT105SX	AT125SX	AT125SX		
CODICE	VSX72B-50-AT83S	VSX72B-65-AT105S	VSX72B-80-AT125S	VSX72B100-AT125S		



ART. VSX72B

Valvola a sfera con attuatore J4C Elettrico

ART. VSX73B

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	VSX72B-10-S20	VSX72B-15-S20	VSX72B-20-S20	VSX72B-25-S20	VSX72B-32-S35	VSX72B-40-S35
SIZE	50	65	80	100		
PN	16	10	10	10		
ATTU.	S55	S85	S85	S300		
CODICE	VSX72B-50-S55	VSX72B-65-S85	VSX72B-80-S85	VSX72B100-S300		



2 WAY BALL VALVE VSX72W - VSX73W



Specifications PN 16/6 VSX72 AISI 304L VSX73 AISI 316L

- (SIZE RANGE) 1/2" TO 4"
- (CONNECTION) WELDING BS
- (OPERATING PRESSURE) 8 BAR
- (BODY MATERIALS) INOX A304L/A316L PN 16/6
- (DISC MATERIALS) INOX A304L/A316L
- (SEALING MATERIALS) PTFE +NBR
PTFE +FKM
PTFE +EPDM
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR
- (TEMPERATURE) -10 +100C

ART. VSX72W
ART. VSX73W

Valvola a sfera WELDING BS AISI 304
Valvola a sfera WELDING BS AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	16	16	16	16	16	16
CODICE	VSX72W-1/2	VSX72W-3/4	VSX72W-1	VSX72W-11/2	VSX72W-2	VSX72W-21/2
SIZE	3	4				
PN	10	10				
CODICE	VSX72W-3	VSX72W-4				



ART. VSX72W

Valvola a sfera con attuatore
AT Doppio Effetto

ART. VSX73W

Ball valves with AT actuator D.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	16	16	16	16	16	16
ATT	AT40DX	AT40DX	AT52DX	AT63DX	AT75DX	AT83DX
CODICE	VSX72W-1/2-AT40D	VSX72W-3/4-AT40D	VSX72W-1-AT52D	VSX72W-11/2-AT63D	VSX72W-2-AT75D	VSX72-21/2-AT83D
SIZE	3	4				
PN	10	10				
ATT	AT83DX	AT105DX				
CODICE	VSX72W-3-AT83D	VSX72W-4-AT105D				



ART. VSX72W

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX73W

**Ball valves with AT actuator S.E
10 Spring Single Acting**

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	16	16	16	16	16	16
ATT	AT52SX	AT52SX	AT63SX	AT83SX	AT83SX	AT105SX
CODICE	VSX72W-1/2-AT52S	VSX72W-3/4-AT52S	VSX72W-1-AT63S	VSX72W-11/2-AT83S	VSX72W-2-AT83S	VSX72W212-AT105S
SIZE	3	4				
PN	10	10				
ATT	AT125SX	AT125SX				
CODICE	VSX72W-3-AT125S	VSX72W-4-AT125S				



ART. VSX72W

Valvola a sfera con attuatore J4C Elettrico

ART. VSX73W

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	16	16	16	16	16	16
ATT	S20	S20	S20	S35	S55	S85
CODICE	VSX72W-1/2-S20	VSX72W-3/4-S20	VSX72W-1-S20	VSX72W-11/2-S35	VSX72W-2-S55	VSX72W-212-S85
SIZE	3	4				
PN	10	10				
ATT	S85	S300				
CODICE	VSX72W-3-S85	VSX72W-4-S300				



2 WAY BALL VALVE VSX74 - VSX75

SPECIFICATIONS

VSX74 AISI 304L VSX75 AISI 316L



(SIZE RANGE) 1/4" TO 4" ISO 228-BSP

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16/6

(DISC MATERIALS) INOX A304/A316

(SEALING MATERIALS) PTFE +NBR

PTFE +FKM

PTFE +EPDM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +100C

ON REQUEST:

CONNECTION: ISO 228 FEMALE/MALE THREAD

CONNECTION: ISO 228 MALE/MALE THREAD

M.O.C.A. CE 1935/2004

ART. VSX74

Valvola a sfera aisi 304 ISO 5211 filettata gas

Ball valves with ISO 5211

ART. VSX75

Valvola a sfera aisi 316 ISO 5211 filettata gas

Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	16	16	16	16	16	16
CODICE	VSX74-1/4	VSX74-3/8	VSX74-1/2	VSX74-3/4	VSX74-1	VSX74-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
CODICE	VSX74-11/2	VSX74-2	VSX74-21/2	VSX74-3	VSX74-4	



ART. VSX74 Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX75 Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	16	16	16	16	16	16
ATT	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX
GAS	VSX74-1/4-AT40D	VSX74-3/8-AT40D	VSX74-1/2-AT40D	VSX74-3/4-AT40D	VSX74-1-AT52D	VSX74-11/4-AT52D
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
ATT.	AT63DX	AT75DX	AT83DX	AT92DX	AT105DX	
GAS	VSX74-11/2-AT63D	VSX74-2-AT75D	VSX74-21/2-AT83D	VSX74-3-AT92D	VSX74-4-AT105D	



ART. VSX74

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX75

**Ball valves with AT actuator S.E
10 Spring Single Acting**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	16	16	16	16	16	16
ATT	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX	AT75SX
COD.	VSX74-1/4-AT52S	VSX74-3/8-AT52S	VSX74-1/2-AT63S	VSX74-3/4-AT63S	VSX74-1-AT75S	VSX74-11/4-AT75S
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
ATT.	AT83SX	AT83SX	AT105SX	AT125SX	AT125SX	
COD.	VSX74-11/2-AT83S	VSX74-2-AT83S	VSX74-21/2-AT105S	VSX74-3-AT125S	VSX74-4-AT125S	



ART. VSX74

Valvola a sfera con attuatore J4C Elettrico

ART. VSX75

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	16	16	16	16	16	16
ATT	S20	S20	S20	S20	S35	S35
COD.	VSX74-1/4-S20	VSX74-3/8-S20	VSX74-1/2-S20	VSX74-3/4-S20	VSX74-1-S35	VSX74-11/4-S35
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
ATT.	S35	S55	S85	S140	S300	
COD.	VSX74-11/2-S35	VSX74-2-S55	VSX74-21/2-S85	VSX74-3-S140	VSX74-4-S300	



2 WAY BALL VALVE VSX78 - VSX79



SPECIFICATIONS

VSX78 AISI 304L VSX79 AISI 316L

(SIZE RANGE) DN10 TO DN100, DIN11851

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) PTFE +NBR

PTFE +FKM

PTFE +EPDM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR

(TEMPERATURE) -10 +100C

ART. VSX78
ART. VSX79

Valvola a sfera DIN 11851 AISI 304
Valvola a sfera DIN 11851 AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX78-10	VSX78-15	VSX78-20	VSX78-25	VSX78-32	VSX78-40
SIZE	50-45	50	60	65	80	100
PN	16	10	10	6	6	6
CODICE	VSX78-45	VSX78-50	VSX78-60	VSX78-65	VSX78-80	VSX78-100



ART. VSX78

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX79

Ball valves with AT actuator D.E

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VSX78-10-AT40D	VSX78-15-AT40D	VSX78-20-AT40D	VSX78-25-AT52D	VSX78-32-AT52D	VSX78-40-AT63D
SIZE	50-45	50	60	65	80	100
PN	16	10	10	6	6	6
ATTU.	AT63DX	AT75DX	AT75DX	AT83DX	AT92DX	AT105DX
CODICE	VSX78-45-AT63D	VSX78-50-AT75D	VSX78-60-AT75D	VSX78-65-AT83D	VSX78-80-AT92D	VSX78-100-AT105D



ART. VSX78

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX79

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
CODICE	VSX78-10-AT52S	VSX78-15-AT63S	VSX78-20-AT63S	VSX78-25-AT75S	VSX78-32-AT75S	VSX78-40-AT83S
SIZE	50-45	50	60	65	80	100
PN	16	10	10	6	6	6
ATTU.	AT83SX	AT83SX	AT92SX	AT105SX	AT125S	AT125S
CODICE	VSX78-45-AT83S	VSX78-50-AT83S	VSX78-60-AT92S	VSX78-65-AT105S	VSX78-80-AT125S	VSX78100-AT125S



ART. VSX78

Valvola a sfera con attuatore J4C Elettrico

ART. VSX79

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	VSX78-10-S20	VSX78-15-S20	VSX78-20-S20	VSX78-25-S20	VSX78-32-S35	VSX78-40-S35
SIZE	50-45	50	60	65	80	100
PN	16	10	10	6	6	6
ATTU.	S55	S55	S85	S85	S140	S300
CODICE	VSX78-45-S55	VSX78-50-S55	VSX78-60-S85	VSX78-65-S85	VSX78-80-S140	VSX78-100-S300



2 WAY BALL VALVE VSX78MF - VSX79MF



SPECIFICATIONS VSX78MF AISI 304L VSX79MF AISI 316L

(SIZE RANGE) DN10 TO DN80, MF DIN11851

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) PTFE +NBR

PTFE +FKM

PTFE +EPDM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR

(TEMPERATURE) -10 +100C

ART. VSX78MF
ART. VSX79MF

Valvola a sfera DIN 11851 AISI 304
Valvola a sfera DIN 11851 AISI 316

Ball valves with ISO 5211
Ball valves with ISO 5211

Suffix: C for PTFE+FKM E for PTFE+EPDM

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX78MF-10	VSX78MF-15	VSX78MF-20	VSX78MF-25	VSX78MF-32	VSX78MF-40
SIZE	50-45	50	60	65	80	
PN	16	10	10	6	6	
CODICE	VSX78MF-45	VSX78MF-50	VSX78MF-60	VSX78MF-65	VSX78MF-80	



ART. VSX78MF Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX79MF Ball valves with AT actuator D.E

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VSX78MF10-AT40D	VSX78MF15-AT40D	VSX78MF20-AT40D	VSX78MF25-AT52D	VSX78MF32-AT52D	VSX78MF40-AT63D
SIZE	50-45	50	60	65	80	
PN	16	10	10	6	6	
ATTU.	AT63DX	AT75DX	AT75DX	AT83DX	AT92DX	
CODICE	VSX78MF45-AT63D	VSX78MF50-AT75D	VSX78MF60-AT75D	VSX78MF65-AT83D	VSX78MF80-AT92D	



ART. VSX78MF Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX79MF Ball valves with AT actuator S.E
10 Spring Single Acting

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
CODICE	VSX78MF10-AT52S	VSX78MF15-AT63S	VSX78MF20-AT63S	VSX78MF25-AT75S	VSX78MF32-AT75S	VSX78MF40-AT83S
SIZE	50-45	50	60	65	80	
PN	16	10	10	6	6	
ATTU.	AT83SX	AT83SX	AT92SX	AT105SX	AT125S	
CODICE	VSX78MF45-AT83S	VSX78MF50-AT83S	VSX78MF60-AT92S	VSX78MF65AT105S	VSX78MF80AT125S	



ART. VSX78MF Valvola a sfera con attuatore J4C Elettrico

ART. VSX79MF Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	VSX78MF-10-S20	VSX78MF-15-S20	VSX78MF-20-S20	VSX78MF-25-S20	VSX78MF-32-S35	VSX78MF-40-S35
SIZE	50-45	50	60	65	80	
PN	16	10	10	6	6	
ATTU.	S55	S55	S85	S85	S140	
CODICE	VSX78MF-45-S55	VSX78MF-50-S55	VSX78MF-60-S85	VSX78MF-65-S85	VSX78MF-80-S140	

VALVES ON DEMAND



2 WAY BALL VALVE VSX20 GAROLLA

Specifications PN 40

(SIZE RANGE) DN32 TO DN100, GAROLLA

CONNECTION: GAROLLA

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 40-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:
INTEGRAL SEAL

CONNECTION: KF
ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:
P.T.F.E. WITH GLASS -20 +170C
P.T.F.E. WITH CARBOGRAPHITE -20+180C
P.T.F.E. WITH INOX -20+200C



2 WAY BALL VALVE VSX66

Specifications PN 100



(SIZE RANGE) DN08 TO DN100, 1/4" TO 4" CLAMP BS (STANDARD)

CONNECTION:

CLAMP NORMATIVE DIN 32676 TAB.4 REIHE C ACCORDING TO NORMATIVE ATIVE BS/OD (ASTM A270) FOR TUBE

CLAMP NORMATIVE DIN 32676 TAB.2 REIHE A ACCORDING TO NORMATIVE DIN 11850 FOR TUBE

CLAMP NORMATIVE DIN 32676 TAB.3 REIHE B ACCORDING TO NORMATIVE ISO 1127 FOR TUBE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING, SINGLE ACTING AND ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20+200C

WITH HEATING JACKET





2 WAY BALL VALVE VSX70

Specifications PN 100/25

(SIZE RANGE) DN10 TO DN100, DIN11851

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

SMS CONNECTION

INTEGRAL SEAL



2 WAY BALL VALVE VSX71

Specifications PN 100/25

(SIZE RANGE) DN10 TO DN100 DIN 11851
FEMALE/MALE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) PTFE-G400

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 + 160C

ON REQUEST:

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20+200C

SMS CONNECTION

INTEGRAL SEAL



2 WAY BALL VALVE VSX172

Specifications PN 100/25



(SIZE RANGE) DN10 TO DN100, DIN 11851 MALE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20 +200C

SMS CONNECTION

INTEGRAL SEAL



2 WAY BALL VALVE VSX100 ASEPTIK

Specifications PN 100/25

(SIZE RANGE) DN10 TO DN100



(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATUR) -20 +160C

ON REQUEST:

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20+180C

P.T.F.E. WITH INOX -20 +200C

INTEGRAL SEAL

CONNECTION:

ASEPTIK NORMATIVA DIN 11864-3 REIHE A, NKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-A

ASEPTIK NORMATIVA DIN 11864-3 REIHE B, NKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-B

ASEPTIK NORMATIVA DIN 11864-3 REIHE C, NKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-C

ASEPTIK NORMATI-VA DIN 11864-3 REIHE A, BKS +
NKS FORM A. PER TUBO IN ACCORDO CON NOR-
MATIVA DIN 11866-A

ASEPTIK NORMATI-VA DIN 11864-3 REIHE B, BKS +
NKS FORM A. PER TUBO IN ACCORDO CON NOR-
MATIVA DIN 11866-B

ASEPTIK NORMATIVA DIN 11864-3 REIHE C, NKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-C

ASEPTIK NORMATIVA DIN 11864-3 REIHE A, BKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-AA

ASEPTIK NORMATIVA DIN 11864-3 REIHE B, BKS FORM
A. PER TUBO IN ACCORDO CON NORMATIVA DIN
11866-B

ASEPTIK NORMATIVA DIN 11864-3 REIHE C, BKS
FORM A. PER TUBO IN ACCORDO CON NORMATIVA
DIN 11866-C



2 WAY BALL VALVE VSX110 WELDING

Specifications PN 100/25

(SIZE RANGE) DN10 TO DN100

CONNECTION:

BUTT-WELDING IN ACCORDING TO BS-OD ASTM A-270

BUTT-WELDING IN ACCORDING TO DIN 1185

BUTT-WELDING IN ACCORDING TO ISO 1127

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC
ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

INTEGRAL SEAL

3/1 - 3WAY INOX BALL VALVES



3 WAY BALL VALVE VSX3LISO - VSX3TISO



Specifications

(SIZE RANGE) DN08 TO DN 50, 1/4" TO 2"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 PN 63

(BALL MATERIALS) INOX

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATUR) -25 +180C

Port Type	1	2	3	4
L				
T				

ART. VSX3LISO-VSX3TISO Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
Art.T	VSX3TISO-1/4	VSX3TISO-3/8	VSX3TISO-1/2	VSX3TISO-3/4	VSX3TISO-1	VSX3TISO-11/4
Art.L	VSX3LISO-1/4	VSX3LISO-3/8	VSX3LISO-1/2	VSX3LISO-3/4	VSX3LISO-1	VSX3LISO-11/4
SIZE	1 1/2	2				
PN	63	63				
Art.T	VSX3TISO-11/2	VSX3TISO-2				
Art.L	VSX3LISO-11/2	VSX3LISO-2				



ART. VSX3LISO

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX3TISO

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTU.	AT40DX	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX
Art.T	VSX3TDE1/4-AT40D	VSX3TDE3/8-AT40D	VSX3TDE1/2-AT40D	VSX3TDE3/4-AT40D	VSX3TDE1-AT52D	VSX3TDE114-AT63D
Art.L	VSX3LDE1/4-AT40D	VSX3LDE3/8-AT40D	VSX3LDE1/2-AT40D	VSX3LDE3/4-AT40D	VSX3LDE1-AT52D	VSX3LDE114-AT63D
SIZE	1 1/2	2				
PN	63	63				
ATTU.	AT63DX	AT83DX				
Art.T	VSX3TDE112-AT63D	VSX3TDE2-AT83D				
Art. L	VSX3LDE112-AT63D	VSX3LDE2-AT83D				



ART. VSX3LISO

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX3TISO

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTU.	AT52SX	AT52SX	AT52SX	AT63SX	AT63SX	AT75SX
Art.T	VSX3TDE1/4-AT52S	VSX3TDE3/8-AT52S	VSX3TDE1/2-AT52S	VSX3TDE3/4-AT63S	VSX3TDE1-AT63S	VSX3TDE114-AT75S
Art.L	VSX3LDE1/4-AT52S	VSX3LDE3/8-AT52S	VSX3LDE1/2-AT52S	VSX3LDE3/4-AT63S	VSX3LDE1-AT63S	VSX3LDE114-AT75S
SIZE	1 1/2	2				
PN	63	63				
ATTU.	AT83SX	AT92SX				
Art.T	VSX3TDE112-AT83S	VSX3TDE2-AT92S				
Art.L	VSX3LDE112-AT83S	VSX3LDE2-AT92S				



ART. VSX3LISO Valvola a sfera con attuatore J4C Elettrico

ART. VSX3TISO Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
ATTU.	S20	S20	S20	S20	S35	S35
Art. T	VSX3TDE1/4-S20	VSX3TDE3/8-S20	VSX3TDE1/2-S20	VSX3TDE3/4-S20	VSX3TDE1-S35	VSX3TDE114-S35
Art. L	VSX3LDE1/4-S20	VSX3LDE3/8-S20	VSX3LDE1/2-S20	VSX3LDE3/4-S20	VSX3LDE1-S35	VSX3LDE114-S35
SIZE	1 1/2	2				
PN	63	63				
ATTU.	S55	S85				
Art.T	VSX3TDE112-S55	VSX3TDE2-S85				
Art. L	VSX3LDE112-S55	VSX3LDE2-S85				



3 WAY BALL VALVE VSX42T – VSX42L



Specifications

(SIZE RANGE) DN08 TO DN 50, 1/4" TO 4"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316L PN 100/16 FULL BORE

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE 4 SEALS

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

CONNECTION:

ISO 228 FEMALE/MALE THREAD

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

CONNECTION:

NPT FEMALE/FEMALE THREAD

ART. VSX42T - VSX42L Valvola a sfera con flangia ISO 5211 - Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
Art. T	VSX42T-1/4	VSX42T-3/8	VSX42T-1/2	VSX42T-3/4	VSX42T-1	VSX42T-11/4
Art. L	VSX42L-1/4	VSX42L-3/8	VSX42L-1/2	VSX42L-3/4	VSX42L-1	VSX42L-11/4
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
Art.T	VSX42T-11/2	VSX42T-2	VSX42T-21/2	VSX42T-3		
Art.L	VSX42L-11/2	VSX42L-2	VSX42L-21/2	VSX42L-3		



ART. VSX42T

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX42L

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATTU.	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX	AT75DX
Art. T	VSX42T-1/4-AT40D	VSX42T-3/8-AT40D	VSX42T-1/2-AT52D	VSX42T-3/4-AT63D	VSX42T-1-AT63D	VSX42T-11/4-AT75D
Art. L	VSX42L-1/4-AT40D	VSX42L-3/8-AT40D	VSX42L-1/2-AT52D	VSX42L-3/4-AT63D	VSX42L-1-AT63D	VSX42L-11/4-AT75D
SIZE	1 1/2	2	2 1/2	3		
PN	64	10	40	40		
ATTU.	AT75DX	AT83DX	AT83DX	AT92DX		
Art. T	VSX42T-11/2-AT75D	VSX42T-2-AT83D	VSX42T-21/2-AT83D	VSX42T-3-AT92D		
Art. L	VSX42L-11/2-AT75D	VSX42L-2-AT83D	VSX42L-21/2-AT83D	VSX42L-3-AT92D		



ART. VSX42T

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX42L

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATTU.	AT52SX	AT52SX	AT63SX	AT83SX	AT83SX	AT92SX
Art. T	VSX42T-1/4-AT52S	VSX42T-3/8-AT52S	VSX42T-1/2-AT63S	VSX42T-3/4-AT83S	VSX42T-1-AT83S	VSX42T-11/4-AT92S
Art. L	VSX42L-1/4-AT52S	VSX42L-3/8-AT52S	VSX42L-1/2-AT63S	VSX42L-3/4-AT83S	VSX42L-1-AT83S	VSX42L-11/4-AT92S
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
ATTU.	AT105SX	AT105SX	AT125SX	AT125SX		
Art. T	VSX42T-11/2-AT105S	VSX42T-2-AT105S	VSX42T-21/2-AT125S	VSX42T-3-AT125S		
Art. L	VSX42L-11/2-AT105S	VSX42L-2-AT105S	VSX42L-21/2-AT125S	VSX42L-3-AT125S		



ART. VSX42T Valvola a sfera con attuatore J4C Elettrico

ART. VSX42L Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
ATTU.	S20	S20	S20	S35	S35	S55
Art. T	VSX42T-1/4-S20	VSX42T-3/8-S20	VSX42T-1/2-S20	VSX42T-3/4-S35	VSX42T-1-S35	VSX42T-11/4-S55
Art. L	VSX42L-1/4-S20	VSX42L-3/8-S20	VSX42L-1/2-S20	VSX42L-3/4-S35	VSX42L-1-S35	VSX42L-11/4-S55
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
ATTU.	S55	S85	S85	S140		
Art. T	VSX42T-11/2-S55	VSX42T-2-S85	VSX42T-21/2-S85	VSX42T-3-S140		
Art. L	VSX42L-11/2-S55	VSX42L-2-S85	VSX42L-21/2-S85	VSX42L-3-S140		



3 WAY BALL VALVE VSX310T - VSX310L

Specifications



(SIZE RANGE) DN10 TO DN 100 DIN 11851
 (OPERATING PRESSURE) 8 BAR
 (BODY MATERIALS) INOX 316L PN 100/16 FULL BORE
 (BALL MATERIALS) INOXL 4 SEALS
 (SEALING MATERIALS) VIRGIN PTFE
 (ACTING MODE) PNEUMATIC DOUBLE ACTING,
 SINGLE ACTING AND ELECTRIC ACTUATOR
 (TEMPERATURE) -20 +160C

ON REQUEST:
 INTEGRAL SEAL
 ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
 M.O.C.A. CE 1935/2004

SEALS MADE OF:
 P.T.F.E. WITH GLASS -20 +170C
 P.T.F.E. WITH CARBOGRAPHITE -20 +180C
 P.T.F.E. WITH INOX -20 +200C
 SMS CONNECTION

ART. VSX310T - VSX310L Valvola a sfera DIN 11851 AISI 316 Ball valves with ISO 5211

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
Art. T	VSX310T-10	VSX310T-15	VSX310T-20	VSX310T-25	VSX310T-32	VSX310T-40
Art. L	VSX310L-10	VSX310L-15	VSX310L-20	VSX310L-25	VSX310L-32	VSX310L-40
SIZE	50	65	80	100		
PN	40	40	40	16		
Art. T	VSX310T-50	VSX310T-65	VSX310T-80	VSX310T-100		
Art. L	VSX310L-50	VSX310L-65	VSX310L-80	VSX310L-100		



ART. VSX310T Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX310L Ball valves with AT actuator D.E

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	AT40DX	AT52DX	AT63DX	AT63DX	AT75DX	AT75DX
Art. T	VSX310T-10-AT40D	VSX310T-15-AT52D	VSX310T-20-AT63D	VSX310T-25-AT63D	VSX310T-32-AT75D	VSX310T-40-AT75D
Art. L	VSX310L-10-AT40D	VSX310L-15-AT52D	VSX310L-20-AT63D	VSX310L-25-AT63D	VSX310L-32-AT75D	VSX310L-40-AT75D
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	AT83DX	AT83DX	AT92DX	AT105DX		
Art. T	VSX310T-50-AT83D	VSX310T-65-AT83D	VSX310T-80-AT92D	VSX310T100AT105D		
Art. L	VSX310L-50-AT83D	VSX310L-65-AT83D	VSX310L-80-AT92D	VSX310L100AT105D		



ART. VSX310T Valvola a sfera con attuatore J4C Elettrico

ART. VSX310L Ball valves with J4C Electric actuator

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	AT52SX	AT63SX	AT83SX	AT83SX	AT92SX	AT105SX
Art. T	VSX310T-10-AT52S	VSX310T-15-AT63S	VSX310T-20-AT83S	VSX310T-25-AT83S	VSX310T-32-AT92S	VSX310T40AT105S
Art. L	VSX310L-10-AT52S	VSX310L-15-AT63S	VSX310L-20-AT83S	VSX310L-25-AT83S	VSX310L-32-AT92S	VSX310L40AT105S
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	AT105SX	AT125SX	AT125SX	AT140SX		
Art. T	VSX310T50-AT105S	VSX310T65AT125S	VSX310T80AT125S	VSX310T100AT140S		
Art. L	VSX310L50-AT105S	VSX310L65AT125S	VSX310L80AT125S	VSX310L100AT140S		



ART. VSX310T Valvola a sfera con attuatore J4C Elettrico

ART. VSX310L Ball valves with J4C Electric actuator

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	S20	S20	S35	S35	S55	S55
Art. T	VSX310T-10-S20	VSX310T-15-S20	VSX310T-20-S35	VSX310T-25-S35	VSX310T-32-S55	VSX310T-40-S55
Art. L	VSX310L-10-S20	VSX310L-15-S20	VSX310L-20-S35	VSX310L-25-S35	VSX310L-32-S55	VSX310L-40-S55
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	S85	S85	S300	S300		
Art. T	VSX310T-50-S85	VSX310T-65-S85	VSX310T-80-S300	VSX310T100-S300		
Art. L	VSX310L-50-S85	VSX310L-65-S85	VSX310L-80-S300	VSX310L100-S300		



3 WAY BALL VALVE VSX320T - VSX320L

Specifications



(SIZE RANGE) DN10 TO DN 100 DIN 11851

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316L PN 40/16 FULL BORE

(BALL MATERIALS) INOXL 4 SEALS

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

SMS CONNECTION

ART. VSX320T - VSX320L Valvola a sfera DIN 11851 AISI 316 Ball valves with ISO 5211

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
Art. T	VSX320T-10	VSX320T-15	VSX320T-20	VSX320T-25	VSX320T-32	VSX320T-40
Art. L	VSX320L-10	VSX320L-15	VSX320L-20	VSX320L-25	VSX320L-32	VSX320L-40
SIZE	50	65	80	100		
PN	40	40	40	16		
Art. T	VSX320T-50	VSX320T-65	VSX320T-80	VSX320T-100		
Art. L	VSX320L-50	VSX320L-65	VSX320L-80	VSX320L-100		



ART. VSX320T

Valvola a sfera con attuatore AT Doppio Effetto

ART. VSX320L

Ball valves with AT actuator D.E

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	AT40DX	AT52DX	AT63DX	AT63DX	AT75DX	AT75DX
Art. T	VSX320T-10-AT40D	VSX320T-15-AT52D	VSX320T-20-AT63D	VSX320T-25-AT63D	VSX320T-32-AT75D	VSX320T-40-AT75D
Art. L	VSX320L-10-AT40D	VSX320L-15-AT52D	VSX320L-20-AT63D	VSX320L-25-AT63D	VSX320L-32-AT75D	VSX320L-40-AT75D
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	AT83DX	AT83DX	AT92DX	AT105DX		
Art. T	VSX320T-50-AT83D	VSX320T-65-AT83D	VSX320T-80-AT92D	VSX320T100AT105D		
Art. L	VSX320L-50-AT83D	VSX320L-65-AT83D	VSX320L-80-AT92D	VSX320L100AT105D		



ART. VSX320T

Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX320L

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	AT52SX	AT63SX	AT83SX	AT83SX	AT92SX	AT105SX
Art. T	VSX320T-10-AT52S	VSX320T-15-AT63S	VSX320T-20-AT83S	VSX320T-25-AT83S	VSX320T-32-AT92S	VSX320T40AT105S
Art. L	VSX320L-10-AT52S	VSX320L-15-AT63S	VSX320L-20-AT83S	VSX320L-25-AT83S	VSX320L-32-AT92S	VSX320L40AT105S
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	AT105SX	AT125SX	AT125SX	AT140SX		
Art. T	VSX320T50-AT105S	VSX320T65AT125S	VSX320T80AT125S	VSX320T100AT140S		
Art. L	VSX320L50-AT105S	VSX320L65AT125S	VSX320L80AT125S	VSX320L100AT140S		



ART. VSX320T

Valvola a sfera con attuatore J4C Elettrico

ART. VSX320L

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	10	15	20	25	32	40
PN	100	100	100	64	64	64
ATTU.	S20	S20	S35	S35	S55	S55
Art. T	VSX320T-10-S20	VSX320T-15-S20	VSX320T-20-S35	VSX320T-25-S35	VSX320T-32-S55	VSX320T-40-S55
Art. L	VSX320L-10-S20	VSX320L-15-S20	VSX320L-20-S35	VSX320L-25-S35	VSX320L-32-S55	VSX320L-40-S55
SIZE	50	65	80	100		
PN	40	40	40	16		
ATTU.	S85	S85	S300	S300		
Art. T	VSX320T-50-S85	VSX320T-65-S85	VSX320T-80-S300	VSX320T100-S300		
Art. L	VSX320L-50-S85	VSX320L-65-S85	VSX320L-80-S300	VSX320L100-S300		



3 WAY BALL VALVE VSX330T - VSX330L

Specifications PN100

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4" CLAMP BS

CONNECTION:

CLAMP NORMATIVE DIN 32676 TAB.4 REIHE C
ACCORDING TO NORMATIVE BS/OD (ASTM A270)
FOR TUBE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L S SEAL

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

ART. VSX330T - VSX330L Valvola a sfera CLAMP BS

Ball valves with ISO 5211

SIZE	1/2	3/4	1R-DN20	1	1 1/2R DN32	1 1/2
PN	100	100	100	64	64	40
Art. T	VSX330T-1/2	VSX330T-3/4	VSX330T-1R	VSX330T-1	VSX330T-11/2R	VSX330T-11/2
Art. L	VSX330L-1/2	VSX330L-3/4	VSX330L-1R	VSX330L-1	VSX330L-11/2R	VSX330L-11/2
SIZE	2	2 1/2	3	4		
PN	40	40	40	16		
Art. T	VSX330T-2	VSX330T-21/2	VSX330T-3	VSX330T-4		
Art. L	VSX330L-2	VSX330L-21/2	VSX330L-3	VSX330L-4		



ART. VSX330T Valvola a sfera con attuatore AT Doppio Effetto

ART.VSX330L Ball valves with AT actuator D.E

SIZE	1/2	3/4	1R-DN20	1	1 1/2R DN32	1 1/2
PN	100	100	100	64	64	64
ATTU.	AT40DX	AT52DX	AT63DX	AT63DX	AT75DX	AT75DX
Art. T	VSX330T12-AT40D	VSX330T34-AT52D	VSX330T1R-AT63D	VSX330T-1-AT63D	VSX330T112RAT75D	VSX330T112-AT75D
Art. L	VSX330L12-AT40D	VSX330L34-AT52D	VSX330L1R-AT63D	VSX330L-1-AT63D	VSX330L112RAT75D	VSX330L112-AT75D
SIZE	2	2 1/2	3	4		
PN	40	40	40	16		
ATTU.	AT83DX	AT83DX	AT92DX	AT105DX		
Art. T	VSX330T-2-AT83D	VSX330T212AT83D	VSX330T-3-AT92D	VSX330T-4-AT105D		
Art. L	VSX330L-2-AT83D	VSX330L212AT83D	VSX330L-3-AT92D	VSX330L-4-AT105D		



ART. VSX330T Valvola a sfera con attuatore AT Semplice Effetto

ART. VSX330L Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1R-DN20	1	1 1/2R DN32	1 1/2
PN	100	100	100	64	64	64
ATTU.	AT52SX	AT63SX	AT83SX	AT83SX	AT92SX	AT105SX
Art. T	VSX330T12-AT52S	VSX330T34-AT63S	VSX330T1R-AT83S	VSX330T-1-AT83S	VSX330T112RAT92S	VSX330T112AT105S
Art. L	VSX330L12-AT52S	VSX330L34-AT63S	VSX330L1R-AT83S	VSX330L-1-AT83S	VSX330L112RAT92S	VSX330L112AT105S
SIZE	2	2 1/2	3	4		
PN	40	40	40	16		
ATTU.	AT105SX	AT125SX	AT125SX	AT140SX		
Art. T	VSX330T2-AT105S	VSX330T212A125S	VSX330T3-AT125S	VSX330T4-AT140S		
Art. L	VSX330L2-AT105S	VSX330L212A125S	VSX330L3-AT125S	VSX330L4-AT140S		



ART. VSX330T Valvola a sfera con attuatore J4C Elettrico

ART. VSX330L Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1R-DN20	1	1 1/2R DN32	1 1/2
PN	100	100	100	64	64	64
ATTU.	S20	S20	S35	S35	S55	S55
Art. T	VSX330T12-S20	VSX330T34-S20	VSX330T1R-S35	VSX330T-1-S35	VSX330T112R-S55	VSX330T112-S55
Art. L	VSX330L12-S20	VSX330L34-S20	VSX330L1R-S35	VSX330L-1-S35	VSX330L112R-S55	VSX330L112-S55
SIZE	2	2 1/2	3	4		
PN	40	40	40	16		
ATTU.	S85	S85	S300	S300		
Art. T	VSX330T-2-S85	VSX330T212-S85	VSX330T-3-S300	VSX330T-4-S300		
Art. L	VSX330L-2-S85	VSX330L212-S85	VSX330L-3-S300	VSX330L-4-S300		



3 WAY L BALL VALVE VSX44L

Specifications PN 400 BAR ONLY L



- (SIZE RANGE) 1/4" TO 1" ISO 5211
- (OPERATING PRESSURE) 8 BAR
- (BODY MATERIALS) INOX 316 L
- (BALL MATERIALS) INOX 316 L
- (SEALING MATERIALS) DEVLON (NO WATER)
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR
- (TEMPERATURE) -10 +125C

ON REQUEST:
PN 250 SEAL PTFE VSX44LP
ANTISTATIC DEVICE ATEX II 2 G-D T4

CONNECTION: NPT FEMALE/FEMALE THREAD

ART. VSX44L

Valvola a sfera ISO 5211 filettata gas

Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
Art. L	VSX44L-1/4	VSX44L-3/8	VSX44L-1/2	VSX44L-3/4	VSX44L-1



ART. VSX44L

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	AT63DX	AT63DX	AT63DX	AT75DX	AT75DX
Art.L	VSX44L-1/4-AT63D	VSX44L-3/8-AT63D	VSX44L-1/2-AT63D	VSX44L-3/4-AT75D	VSX44L-1-AT75D



ART. VSX44L

**Valvola a sfera con attuttore
AT Semplice Effetto**

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	AT75SX	AT75SX	AT83SX	AT92SX	AT92SX
Art. L	VSX44L-1/4-AT75S	VSX44L-3/8-AT75S	VSX44L-1/2-AT83S	VSX44L-3/4-AT92S	VSX44L-1-AT92S



ART. VSX44L

**Valvola a sfera con attuttore
J4C Elettrico**

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1
PN	400	400	400	400	400
ATT	S35	S35	S35	S55	S55
Art. L	VSX44L-1/4-S35	VSX44L-3/8-S35	VSX44L-1/2-S35	VSX44L-3/4-S55	VSX44L-1-S55



3 WAY BALL VALVE VSX331T - VSX331L

Specifications PN100

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"
CLAMP DIN 32676

CONNECTION:
CLAMP NORMATIVE DIN 32676 TAB.2 REIHE A
ACCORDING TO NORMATIVE DIN 11850 FOR TUBE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L S SEAL

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:
INTEGRAL SEAL
ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C



3 WAY BALL VALVE VSX333T - VSX333L



Specifications PN100

(SIZE RANGE) DN08 TO DN100, 1/4"
TO 4" CLAMP ISO

CONNECTION:

CLAMP NORMATIVE DIN 32676 TAB.3 REIHE B
ACCORDING TO NORMATIVE ISO 1127 FOR TUBE

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100-25

(BALL MATERIALS) INOX 316 L S SEAL

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C



3 WAY BALL VALVE VSX350 WELDING

Specifications PN 100/16

(SIZE RANGE) DN10 TO DN100,

CONNECTION:

BUTT-WELDING IN ACCORDING TO BS-OD

ASTM A-270

BUTT-WELDING IN ACCORDING TO DIN 1185

BUTT-WELDING IN ACCORDING TO ISO 1127

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN 100/16

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C



3 WAY BALL VALVE VSX340T - VSX340L GAROLLA

Specifications PN 16/10

(SIZE RANGE) DN32 TO DN100, GAROLLA

CONNECTION: GAROLLA

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN16/10

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C



3 WAY BALL VALVE VSX300L

Specifications

(SIZE RANGE) DN08 TO DN 50, 1/4" TO 4"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316L PN 40/16

(BALL MATERIALS) INOXL

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:
INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD
ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:
P.T.F.E. WITH GLASS -20 +170C
P.T.F.E. WITH CARBOGRAPHITE -20 +180C
P.T.F.E. WITH INOX -20 +200C

CONNECTION: NPT FEMALE/FEMALE THREAD



3 WAY L BALL VALVE VSX45L

Specifications PN 40/25 BAR ONLY L

(SIZE RANGE) 1/4" TO 2" ISO 5211

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 L PN40/25

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

ON REQUEST:
INTEGRAL SEAL

CONNECTION: ISO 228 FEMALE/MALE THREAD
ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:
P.T.F.E. WITH GLASS -20 +170C
P.T.F.E. WITH CARBOGRAPHITE -20 +180C
P.T.F.E. WITH INOX -20 +200C

CONNECTION: NPT FEMALE/FEMALE THREAD

3/2 - FLANGED BALL VALVES

FLANGED BALL VALVE CAM685



Specifications

(SIZE RANGE) DN15 TO DN150, EN1092/ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316 PN 16

(DISC MATERIALS) INOX 316

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

ART. CAM685

Valvola a sfera con flangia ISO 5211 - Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAM685-15	CAM685-20	CAM685-25	CAM685-32	CAM685-40	CAM685-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAM685-65	CAM685-80	CAM685-100	CAM685-125	CAM685-150	



ART. CAM685

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	CAM685-15-AT40D	CAM685-20-AT40D	CAM685-25-AT40D	CAM685-32-AT52D	CAM685-40-AT63D	CAM685-50-AT63D
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT83DX	AT92DX	AT105DX			
CODICE	CAM685-65-AT83D	CAM685-80-AT92D	CAM685100AT105D			



ART. CAM685

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
CODICE	CAM685-15-AT52S	CAM685-20-AT63S	CAM685-25-AT63S	CAM685-32-AT75S	CAM685-40-AT75S	CAM685-50-AT83S
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT105SX	AT125SX	AT140SX			
CODICE	CAM68565-AT105S	CAM68580-AT125S	CAM685100AT140S			



ART. CAM685

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	CAM685-15-S20	CAM685-20-S20	CAM685-25-S20	CAM685-32-S20	CAM685-40-S35	CAM685-50-S35
SIZE	65	80	100			
PN	16	16	16			
ATTU.	S85	S140	S300			
CODICE	CAM685-65-S85	CAM685-80-S140	CAM685-100-S300			

FLANGED BALL VALVE CAM664



Specifications

(SIZE RANGE) DN15 TO DN100 EN558/1 ISO5752

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CF8M PN 16

(BALL MATERIALS) CF8M

(STEM MATERIALS) CF8M

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +120C

ART. CAM664

Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAM664-15	CAM664-20	CAM664-25	CAM664-32	CAM664-40	CAM664-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAM664-65	CAM664-80	CAM664-100	CAM664-125	CAM664-150	



ART. CAM664

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	CAM664-15-AT40D	CAM664-20-AT40D	CAM664-25-AT40D	CAM664-32-AT52D	CAM664-40-AT63D	CAM664-50-AT63D
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT83DX	AT92DX	AT105DX			
CODICE	CAM664-65-AT83D	CAM664-80-AT92D	CAM664100AT105D			



ART. CAM664

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT52SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
CODICE	CAM664-15-AT52S	CAM664-20-AT63S	CAM664-25-AT63S	CAM664-32-AT75S	CAM664-40-AT75S	CAM664-50-AT83S
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT105SX	AT125SX	AT140SX			
CODICE	CAM66465-AT105S	CAM66480-AT125S	CAM664100AT140S			



ART. CAM664

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	S20	S20	S20	S20	S35	S35
CODICE	CAM664-15-S20	CAM664-20-S20	CAM664-25-S20	CAM664-32-S20	CAM664-40-S35	CAM664-50-S35
SIZE	65	80	100			
PN	16	16	16			
ATTU.	S85	S140	S300			
CODICE	CAM664-65-S85	CAM664-80-S140	CAM664-100-S300			

FLANGED BALL VALVE CAMVI10



Specifications

(SIZE RANGE) DN15 TO DN150, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) AISI 316 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE – PTFE CARBON
GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

ON REQUEST:
INTEGRAL SEAL
PN16-40-64-100
ANSI150-300-600
FIRE SAFE
ANTISTATIC DEVICE
DEGREASING FOR OXYGEN

SEALS MADE OF:
P.T.F.E. WITH CARBOGRAPHITE -20 +180C
WITH HEATING JACKET CAMVI11

ART. CAMVI10

Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAMVI10-15	CAMVI10-20	CAMVI10-25	CAMVI10-32	CAMVI10-40	CAMVI10-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAMVI10-65	CAMVI10-80	CAMVI10-100	CAMVI10-125	CAMVI10-150	



ART. CAMVI10

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT52DX	AT63DX	AT63DX	AT63DX	AT75DX
CODICE	CAMVI10-15-AT40D	CAMVI10-20-AT52D	CAM VI10-25-AT63D	CAMVI10-32-AT63D	CAMVI10-40-AT63D	CAMVI10-50-AT75D
SIZE	65	80	100	125		
PN	16	16	16	16		
ATTU.	AT92DX	AT92DX	AT125DX	AT140DX		
CODICE	CAMVI10-65-AT92D	CAMVI10-80-AT92D	CAMVI10-100-AT125D	CAMVI10-125-AT140D		



ART. CAMVI10

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT63SX	AT63SX	AT83SX	AT92SX	AT92SX	AT105SX
CODICE	CAMVI10-15-AT63S	CAMVI10-20-AT63S	CAMVI10-25-AT83S	CAMVI10-32-AT92S	CAMVI10-40-AT92S	CAMVI1050-AT105 S
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT125SX	AT140SX	AT160SX			
CODICE	CAMVI1065AT125S	CAMVI1080AT140S	CAMVI10100AT160S			



ART. CAMVI10 Valvola a sfera con attuatore J4C elettrico

Ball valves with J4C ELECTRIC actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	S20	S20	S55	S55	S55	S85
CODICE	CAMVI10-15-S20	CAMVI10-20-S20	CAMVI10-25-S55	CAMVI10-32-S55	CAMVI10-40-S55	CAMVI10-50-S85
SIZE	65	80	100			
PN	16	16	16			
ATTU.	S85	S140	S300			
CODICE	CAMVI10-65-S85	CAMVI10-80-S140	CAMVI10-100-S300			



FLANGED SPLIT BODY BALL VALVES

Specifications

(SIZE RANGE) DN15 TO DN150, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) AISI 316 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE - PTFE CARBON
GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

ON REQUEST:

INTEGRAL SEAL

ANSI 150 CAMVI64 – ANSI 300 CAMVI68

ANSI 600 CAMVI70 – ANSI 1500 CAMVI80 – ANSI
2500 CAMVI90

FIRE SAFE

ANTISTATIC DEVICE

DEGREASING FOR OXYGEN

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

ART. CAMVI60

Valvola a sfera con flangia ISO 5211 - Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAMVI60-15	CAMVI60-20	CAMVI60-25	CAMVI60-32	CAMVI60-40	CAMVI60-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAMVI60-65	CAMVI60-80	CAMVI60-100	CAMVI60-125	CAMVI60-150	



ART. CAMVI60

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT40DX	AT52DX	AT63DX	AT63DX	AT63DX	AT75DX
CODICE	CAMVI60-15-AT40D	CAMVI60-20-AT52D	CAMVI60-25-AT63D	CAMVI60-32-AT63D	CAMVI60-40-AT63D	CAMVI60-50-AT75D
SIZE	65	80	100	125		
PN	16	16	16	16		
ATTU.	AT92DX	AT92DX	AT125DX	AT140DX		
CODICE	CAMVI60-65-AT92D	CAMVI60-80-AT92D	CAMVI60-100-AT125D	CAMVI60-125-AT140D		



ART. CAMVI60

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	AT63SX	AT63SX	AT83SX	AT92SX	AT92SX	AT105SX
CODICE	CAMVI60-15-AT63S	CAMVI60-20-AT63S	CAMVI60-25-AT83S	CAMVI60-32-AT92S	CAMVI60-40-AT92S	CAMVI6050-AT105S
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
ATTU.	AT125SX	AT140SX	AT160SX	AT190SX		
CODICE	CAMVI6065AT125S	CAMVI6080AT140S	CAMVI60100AT160S			



ART. CAMVI60

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	S20	S20	S55	S55	S55	S85
CODICE	CAMVI60-15-S20	CAMVI60-20-S20	CAMVI60-25-S55	CAMVI60-32-S55	CAMVI60-40-S55	CAMVI60-50-S85
SIZE	65	80	100			
PN	16	16	16			
ATTU.	S85	S140	S300			
CODICE	CAMVI60-65-S85	CAMVI60-80-S140	CAMVI60-100-S300			



FLANGED BALL VALVE VSX400

Specifications

(SIZE RANGE) DN15 TO DN200, UNI EN1092-1

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX 316L PN 40/16

(DISC MATERIALS) INOX 316

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +160C

WITH HEATING JACKET

ON REQUEST:
INTEGRAL SEAL
ANTISTATIC DEVICE ATEX II 2 G-D T4 ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C



FLANGED BALL CAMVI103T - CAMVI103L

Specifications

(SIZE RANGE) DN15 TO DN100, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE - PTFE CARBON
GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C





FLANGED BALL VALVE C128

Specifications

(SIZE RANGE) DN15 TO DN200 EN1092 ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CF8M ANSI 150

(BALL MATERIALS) CF8M

(STEM MATERIALS) CF8M

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURA) -10 +120C



FLANGED BALL VALVE C129

Specifications

(SIZE RANGE) DN65 TO DN150

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CF8M PN 40

(BALL MATERIALS) CF8M

(STEM MATERIALS) CF8M

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURA) -30 +180C



FLANGED BALL VALVE VSX60

Specifications PN 40/16

(SIZE RANGE) DN10 TO DN100 UNI EN 1092-1

(OPERATING PRESSURE) 6 BAR

(BODY MATERIALS) INOX 316 L

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURA) -20 +160C

ON REQUEST:

CONNECTION: EN 1759-1 CLASS 150 REVOLVING
THREADED FLANGES

CONNECTION: ANSI 300 REVOLVING THREADED
FLANGES
INTEGRAL SEAL
ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2
M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200





FLANGED 3 WAY T/L BALL VALVE VSX46T - VSX46L

Specifications PN 40/16

(SIZE RANGE) DN10 TO DN100 UNI EN 1092-1

(OPERATING PRESSURE) 6 BAR

(BODY MATERIALS) INOX 316 L

(BALL MATERIALS) INOX 316 L

(SEALING MATERIALS) VIRGIN PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURA) -20 +160C

ON REQUEST:

CONNECTION: EN 1759-1 CLASS 150 REVOLVING
THREADED FLANGES

CONNECTION: ANSI 300 REVOLVING THREADED
FLANGES

INTEGRAL SEAL

ANTISTATIC DEVICE ATEX II 2 G-D T4
ZONE 1-2

M.O.C.A. CE 1935/2004

SEALS MADE OF:

P.T.F.E. WITH GLASS -20 +170C

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

P.T.F.E. WITH INOX -20 +200C

4 - BUTTERFLY SANITARY VALVES



2 WAY SANITARY VALVE VFX10B - VFX15B

**Specifications PN 6 VFX10B AISI 304L
VFX15B AISI 316L**



(SIZE RANGE) 1/2" TO 4" CLAMP BS

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) MVQ -50 +200C FKM

-15 +200C EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

ON REQUEST:

M.O.C.A. CE 1935/2004

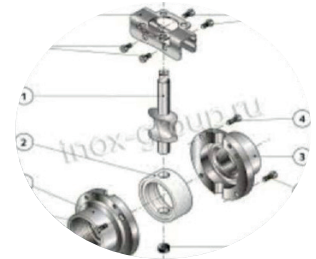
VERTICAL ACTUATOR

ART. VFX10B CLAMP BS AISI 304

ART. VFX15B CLAMP BS AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm

Butterfly valves with bracket



SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
CODICE	VFX10B-1/2	VFX10B-3/4	VFX10B-1	VFX10B-11/2	VFX10B-2	VFX10B-21/2
SIZE	3	4				
PN	7	7				
CODICE	VFX10B-3	VFX10B-4				



ART.VFX10B Valvola a farfalla con attuatore AT Doppio Effetto

ART.VFX15B Butterfly valves with AT actuator D.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	VFX10B-1/2-AT40D	VFX10B-3/4-AT40D	VFX10B-1-AT40D	VFX10B-112-AT52D	VFX10B-2-AT63D	VFX10B-212-AT63D
SIZE	3	4				
PN	7	7				
ATT.	AT75DX	AT83DX				
CODICE	VFX10B-3-AT75D	VFX10B-4-AT83D				



ART.VFX10B Valvola a farfalla con attuatore AT SEMPLICE Effetto

ART.VFX15B Butterfly valves with AT actuator S.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT75SX	AT83SX	AT92SX
CODICE	VFX10B-1/2-AT52S	VFX10B-3/4-AT52S	VFX10B-1-AT52S	VFX10B-112-AT75S	VFX10B-2-AT83S	VFX10B-212-AT92S
SIZE	3	4				
PN	7	7				
ATT.	AT105SX	AT125SX				
CODICE	VFX10B-3-AT105S	VFX10B-4-AT125S				



ART.VFX10B Valvola a farfalla con attuatore FM21-ED

ART.VFX15B Butterfly valves with AT actuator FM21-ED

Double Effect

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX10B1/2-FM21ED	VFX10B3/4-FM21ED	VFX10B-1-FM21ED	VFX10B112-FM21ED	VFX10B-2-FM21ED	VFX10B212-FM21ED
SIZE	3					
PN	7					
ATT.	FM21ED					
COD.	VFX10B-3-FM21ED					



ART. VFX10B

**Valvola a farfalla con attuatore FM21E
Semplice Effetto**

ART. VFX15B

Butterfly valves with FM21E actuator S.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX10B-1/2-FM21E	VFX10B-3/4-FM21E	VFX10B-1-FM21E	VFX10B112-FM21E	VFX10B-2-FM21E	VFX10B212-FM21E



ART. VFX10B

**Valvola a farfalla con attuatore
J4C Elettrico**

ART. VFX15B

**Butterfly valves with J4C Electric
actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S35	S55
CODICE	VFX10B-1/2-S20	VFX10B-3/4-S20	VFX10B-1-S20	VFX10B-112-S20	VFX10B-2-S35	VFX10B-212-S55
SIZE	3	4				
PN	7	7				
ATT.	S85	S85				
CODICE	VFX10B-3-S85	VFX10B-4-S85				



2 WAY SANITARY VALVE VFX10I - VFX15I

**Specifications PN 6 VFX10I AISI 304L
VFX15I AISI 316L**



(SIZE RANGE) DN15 TO DN100, CLAMP ISO 2852

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) MVQ -50 +200C

FKM -15 +200C

EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND ELECTRIC ACTUATOR

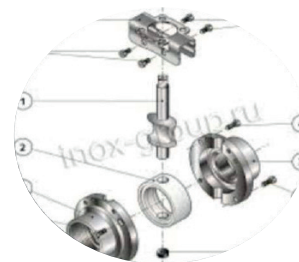
ON REQUEST:

M.O.C.A. CE 1935/2004

VERTICAL ACTUATOR

ART. VFX10I CLAMP ISO 2852 AISI 304
ART. VFX15I CLAMP ISO 2852 AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm
Butterfly valves with bracket



SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX10I-15	VFX10I-20	VFX10I-25	VFX10I-32	VFX10I-40	VFX10I-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX10I-65	VFX10I-80	VFX10I-100			



ART.VFX10I

Valvola a farfalla con attuatore AT Doppio Effetto

ART.VFX15I

Butterfly valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VFX10I-15-AT40D	VFX10I-20-AT40D	VFX10I-25-AT40D	VFX10I-32-AT52D	VFX10I-40-AT52D	VFX10I-50-AT63D
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT63DX	AT75DX	AT83DX			
CODICE	VFX10I-65-AT63D	VFX10I-80-AT75D	VFX10I-100-AT83D			



ART.VFX10I

Valvola a farfalla con attuatore AT Semplice Effetto

ART.VFX15I

Butterfly valves with AT actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT83SX
CODICE	VFX10I-15-AT52S	VFX10I-20-AT52S	VFX10I-25-AT52S	VFX10I-32-AT63S	VFX10I-40-AT75S	VFX10I-50-AT83S
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT92SX	AT105SX	AT125SX			
CODICE	VFX10I-65-AT92S	VFX10I-80-AT105S	VFX10I-100-AT125S			



ART.VFX10I

Valvola a farfalla con attuatore FM21-ED

ART.VFX15I

**Butterfly valves with AT actuator FM21-ED
Double Effect**

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX10I-15-FM21ED	VFX10I-20-FM21ED	VFX10I-25-FM21ED	VFX10I-32-FM21ED	VFX10I-40-FM21ED	VFX10I-50-FM21ED
SIZE	65					
PN	7					
ATT.	FM21ED					
COD.	VFX10I-65-FM21ED					



ART.VFX10I Valvola a farfalla con attuatore FM21E
Semplice Effetto

ART.VFX15I Butterfly valves with FM21E actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX10I-15-FM21E	VFX10I-20-FM21E	VFX10I-25-FM21E	VFX10I-32-FM21E	VFX10I-40-FM21E	VFX10I-50-FM21E



ART. VFX10I Valvola a farfalla con attuatore
J4C Elettrico

ART. VFX15I Butterfly valves with J4C Electric
actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S20	S35
CODICE	VFX10I-15-S20	VFX10I-20-S20	VFX10I-25-S20	VFX10I-32-S20	VFX10I-40-S20	VFX10I-50-S35
SIZE	65	80	100			
PN	7	7	7			
ATT.	S55	S85	S85			
CODICE	VFX10I-65-S55	VFX10I-80-S85	VFX10I-100-S85			



2 WAY SANITARY VALVE VFX10 - VFX15

Specifications PN 6 VFX10 AISI 304L VFX15 AISI 316L



(SIZE RANGE) DN15 TO DN100, CLAMP DIN 32676
(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16
(DISC MATERIALS) INOX A304L/A316L

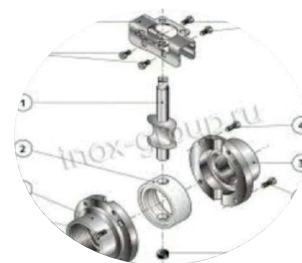
(SEALING MATERIALS) MVQ -50 +200C
FKM -15 +200C
EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

ON REQUEST:
M.O.C.A. CE 1935/2004
VERTICAL ACTUATOR

ART. VFX10 CLAMP DIN 32676 AISI 304
ART. VFX15 CLAMP DIN 32676 AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm
Butterfly valves with bracket



SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX10-15	VFX10-20	VFX10-25	VFX10-32	VFX10-40	VFX10-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX10-65	VFX10-80	VFX10-100			



ART.VFX10 Valvola a farfalla con attuatore AT Doppio Effetto

ART.VFX15 Butterfly valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VFX10-15-AT40D	VFX10-20-AT40D	VFX10-25-AT40D	VFX10-32-AT52D	VFX10-40-AT52D	VFX10-50-AT63D
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT63DX	AT75DX	AT83DX			
CODICE	VFX10-65-AT63D	VFX10-80-AT75D	VFX10-100-AT83D			



ART.VFX10 Valvola a farfalla con attuatore AT Semplice Effetto

ART.VFX15 Butterfly valves with AT actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT83SX
CODICE	VFX10-15-AT52S	VFX10-20-AT52S	VFX10-25-AT52S	VFX10-32-AT63S	VFX10-40-AT75S	VFX10-50-AT83S
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT92SX	AT105SX	AT125SX			
CODICE	VFX10-65-AT92S	VFX10-80-AT105S	VFX10100-AT125S			



ART.VFX10 Valvola a farfalla con attuatore FM21-ED

ART.VFX15 Butterfly valves with AT actuator FM21-ED

Double Effect

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX10-15-FM21ED	VFX10-20-FM21ED	VFX10-25-FM21ED	VFX10-32-FM21ED	VFX10-40-FM21ED	VFX10-212-FM21ED
SIZE	65					
PN	7					
ATT.	FM21ED					
COD.	VFX10-65-FM21ED					



ART.VFX10

**Valvola a farfalla con attuatore FM21E
Semplice Effetto**

ART.VFX15

Butterfly valves with FM21E actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX10-15-FM21E	VFX10-20-FM21E	VFX10-25-FM21E	VFX10-32-FM21E	VFX10-40-FM21E	VFX10-50-FM21E



ART. VFX10

**Valvola a farfalla con attuatore
J4C Elettrico**

ART. VFX15

**Butterfly valves with J4C Electric
actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S20	S35
CODICE	VFX10-15-S20	VFX10-20-S20	VFX10-25-S20	VFX10-32-S20	VFX10-40-S20	VFX10-50-S35
SIZE	65	80	100			
PN	7	7	7			
ATT.	S55	S85	S85			
CODICE	VFX10-65-S55	VFX10-80-S85	VFX10-100-S85			



2 WAY SANITARY VALVE VFX20D - VFX25D

**Specifications PN 6 VFX20D AISI 304L
VFX25D AISI 316L**

(SIZE RANGE) DN25 TO DN100 DIN 11851FF -
(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16

(DISC MATERIALS) INOX A304L/A316L

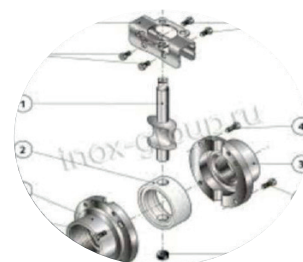
(SEALING MATERIALS) MVQ -50 +200C
FKM -15 +200C
EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

ON REQUEST:
M.O.C.A. CE 1935/2004
VERTICAL ACTUATOR

ART. VFX20D DIN11851 AISI 304
ART. VFX25D DIN11851 AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm
Butterfly valves with bracket



SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX20D-15	VFX20D-20	VFX20D-25	VFX20D-32	VFX20D-40	VFX20D-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX20D-65	VFX20D-80	VFX20D-100			



ART.VFX20D

Valvola a farfalla con attuatore AT Doppio Effetto

ART.VFX25D

Butterfly valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VFX20D-15-AT40D	VFX20D-20-AT40D	VFX20D-25-AT40D	VFX20D-32-AT52D	VFX20D-40-AT52D	VFX20D-50-AT63D
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT63DX	AT75DX	AT83DX			
CODICE	VFX20D-65-AT63D	VFX20D-80-AT75D	VFX20D-100-AT83D			



ART.VFX20D Valvola a farfalla con attuatore AT Semplice Effetto

ART.VFX25D Butterfly valves with AT actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT83SX
CODICE	VFX20D-15-AT52S	VFX20D-20-AT52S	VFX20D-25-AT52S	VFX20D-32-AT63S	VFX20D-40-AT75S	VFX20D-50-AT83S
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT92SX	AT105SX	AT125SX			
CODICE	VFX20D-65-AT92S	VFX20D-80-AT105S	VFX20D100-AT125S			



ART.VFX20D

Valvola a farfalla con attuatore FM21-ED

ART.VFX25D

Butterfly valves with AT actuator FM21-ED

Double Effect

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX20-15-FM21ED	VFX20-20-FM21ED	VFX20-25-FM21ED	VFX20-32-FM21ED	VFX20-40-FM21ED	VFX20-50-FM21ED
SIZE	65					
PN	7					
ATT.	FM21ED					
COD.	VFX20-65-FM21ED					



ART.VFX20D

Valvola a farfalla con attuatore FM21E Semplice Effetto

ART.VFX25D

Butterfly valves with FM21E actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX20-15-FM21E	VFX20-20-FM21E	VFX20-25-FM21E	VFX20-32-FM21E	VFX20-40-FM21E	VFX20-50-FM21E



ART. VFX20D

**Valvola a farfalla con attuatore
J4C Elettrico**

ART.VFX25D

**Butterfly valves with J4C
Electric actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S20	S35
CODICE	VFX20D-15-S20	VFX20D-20-S20	VFX20D-25-S20	VFX20D-32-S20	VFX20D-40-S20	VFX20D-50-S35
SIZE	65	80	100			
PN	7	7	7			
ATT.	S55	S85	S85			
CODICE	VFX20D-65-S55	VFX20D-80-S85	VFX20D-100-S85			



2 WAY SANITARY VALVE VFX20M - VFX25M

**Specifications PN 6 VFX20M AISI 304L
VFX25M AISI 316L**

(SIZE RANGE) DN25 TO DN100 DIN 11851 MF -
(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) MVQ -50 +200C
FKM -15 +200C
EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

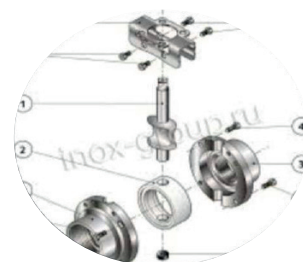
ON REQUEST:

M.O.C.A. CE 1935/2004
VERTICAL ACTUATO

ART. VFX20M DIN MF 11851 AISI 304

ART. VFX25M DIN MF 11851 AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm
Butterfly valves with bracket



SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX20M-15	VFX20M-20	VFX20M-25	VFX20M-32	VFX20M-40	VFX20M-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX20M-65	VFX20M-80	VFX20M-100			



ART.VFX20M Valvola a farfalla con attuttore AT Doppio Effetto

ART.VFX25M Butterfly valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT52DX	AT63DX
CODICE	VFX20M-15-AT40D	VFX20M-20-AT40D	VFX20M-25-AT40D	VFX20M-32-AT52D	VFX20M-40-AT52D	VFX20M-50-AT63D
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT63DX	AT75DX	AT83DX			
CODICE	VFX20M-65-AT63D	VFX20M-80-AT75D	VFX20M-100AT83D			



ART.VFX20M Valvola a farfalla con attuttore AT Semplice Effetto

ART.VFX25M Butterfly valves with AT actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT63SX	AT75SX	AT83SX
CODICE	VFX20M-15-AT52S	VFX20M-20-AT52S	VFX20M-25-AT52S	VFX20M-32-AT63S	VFX20M-40-AT75S	VFX20M-50-AT83S
SIZE	65	80	100			
PN	7	7	7			
ATT.	AT92SX	AT105SX	AT125SX			
CODICE	VFX20M-65-AT92S	VFX20M80-AT105S	VFX20M100-AT125S			



ART.VFX20M

Valvola a farfalla con attuatore FM21-ED

ART.VFX25M

Butterfly valves with AT actuator FM21-ED

Double Effect

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX20M-15-FM21ED	VFX20M-20-FM21ED	VFX20M-25-FM21ED	VFX20M-32-FM21ED	VFX20M-40-FM21ED	VFX20M-50-FM21ED
SIZE	65					
PN	7					
ATT.	FM21ED					
COD.	VFX20M-65-FM21ED					



ART.VFX20M

Valvola a farfalla con attuatore FM21E Semplice Effetto

ART.VFX25M

Butterfly valves with FM21E actuator S.E

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX20M15 -FM21E	VFX20M20 -FM21E	VFX20M25-FM21E	VFX20M32-FM21E	VFX20M40-FM21E	VFX20M50-FM21E



ART. VFX20M

**Valvola a farfalla con attuatore
J4C Elettrico**

ART.VFX25M

**Butterfly valves with J4C
Electric actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S20	S35
CODICE	VFX20M-15-S20	VFX20M-20-S20	VFX20M-25-S20	VFX20M-32-S20	VFX20M-40-S20	VFX20M-50-S35
SIZE	65	80	100			
PN	7	7	7			
ATT.	S55	S85	S85			
CODICE	VFX20M-65-S55	VFX20M-80-S85	VFX20M-100-S85			



2 WAY SANITARY VALVE VFX30 - VFX35

**Specifications PN 6 VFX30 AISI 304L
VFX35 AISI 316L**



(SIZE RANGE) DN25 TO DN100 ISO 228-BSP

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 6

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) MVQ -50 +200C

FKM -15 +200C

EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

ON REQUEST:

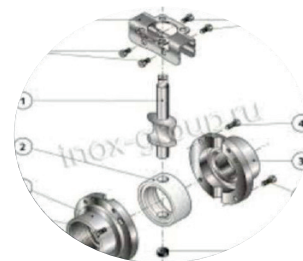
M.O.C.A. CE 1935/2004

VERTICAL ACTUATOR

ART. VFX30 228- BSP AISI 304

ART. VFX35 228- BSP AISI 316

Suffix: S = Silicone – MVQ F = Viton FKM E = Epdm
Butterfly valves with bracket



SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
CODICE	VFX30-1/2	VFX30-3/4	VFX30-1	VFX30-11/2	VFX30-2	VFX30-21/2
SIZE	3	4				
PN	7	7				
CODICE	VFX30-3	VFX30-4				



ART.VFX30 Valvola a farfalla con attuatore AT Doppio Effetto

ART.VFX35 Butterfly valves with AT actuator DE

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
CODICE	VFX30-1/2-AT40D	VFX30-3/4-AT40D	VFX30-1-AT40D	VFX30-112-AT52D	VFX30-2-AT63D	VFX30-212-AT63D
SIZE	3	4				
PN	7	7				
ATT.	AT75DX	AT83DX				
CODICE	VFX30-3-AT75D	VFX30-4-AT83D				



ART.VFX30 Valvola a farfalla con attuatore AT Semplice Effetto

ART.VFX35 Butterfly valves with AT actuator S.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	AT52SX	AT52SX	AT52SX	AT75SX	AT83SX	AT92SX
CODICE	VFX30-1/2-AT52S	VFX30-3/4-AT52S	VFX30-1-AT52S	VFX30-112-AT75S	VFX30-2-AT83S	VFX30-212-AT92S
SIZE	3	4				
PN	7	7				
ATT.	AT105SX	AT125SX				
CODICE	VFX30-3-AT105S	VFX30-4-AT125S				



ART.VFX30 Valvola a farfalla con attuatore FM21-ED

ART.VFX35 Butterfly valves with AT actuator FM21-ED

DoubleEffect

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED	FM21ED
COD.	VFX30-1/2-FM21ED	VFX30-3/4-FM21ED	VFX30-1-FM21ED	VFX30-112-FM21ED	VFX30-2-FM21ED	VFX30-212-FM21ED
SIZE	3					
PN	7					
ATT.	FM21ED					
COD.	VFX30-3-FM21ED					



ART.VFX30 Valvola a farfalla con attuatore FM21E Semplice Effetto

ART.VFX35 Butterfly valves with FM21E actuator S.E

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	FM21E	FM21E	FM21E	FM21E	FM21E	FM21E
CODICE	VFX30-1/2-FM21E	VFX30-3/4-FM21E	VFX30-1-FM21E	VFX30-112-FM21E	VFX30-2-FM21E	VFX30-212-FM21E



ART. VFX30

**Valvola a farfalla con attuatore
J4C Elettrico**

ART. VFX35

**Butterfly valves with
J4C Electric actuator**

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
ATT.	S20	S20	S20	S20	S35	S55
CODICE	VFX30-1/2-S20	VFX30-3/4-S20	VFX30-1-S20	VFX30-112-S20	VFX30-2-S35	VFX30-212-S55
SIZE	3	4				
PN	7	7				
ATT.	S85	S85				
CODICE	VFX30-3-S85	VFX30-4-S85				

ON DEMAND



2 WAY SANITARY VALVE VFX40 - VFX45

Specifications PN 6 VFX40 AISI 304L
VFX45 AISI 316L



(SIZE RANGE) VFX40 DN25 TO DN150 WELDING
DIN 11850

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) INOX A304L/A316L PN 16

(DISC MATERIALS) INOX A304L/A316L

(SEALING MATERIALS) MVQ -50 +200C
FKM -15+200C
EPDM -30 +140C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

ON REQUEST:
M.O.C.A. CE 1935/2004
VERTICAL ACTUATOR

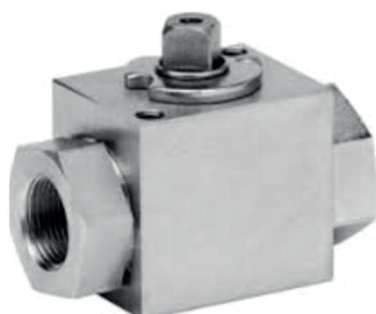
INOX ST ACTUATOR



5 - CARBON STEEL VALVES



2 WAY BALL VALVE C160



Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 500

(DISC MATERIALS) A105

(SEALING MATERIALS) NBR

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +100C

MOUNTING BRACKET

ART.C160

Valvola a sfera A105 ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
CODICE	C160-1/4	C160-3/8	C160-1/2	C160-3/4	C160-1



ART. C160 Valvola a sfera con attuatore AT doppio effetto

Ball valves with AT actuator DE

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUATORE	AT52DX	AT52DX	AT52DX	AT63DX	AT75DX
CODICE	C160-1/4-AT52DX	C160-3/8-AT52DX	C160-1/2-AT52DX	C160-3/4-AT63DX	C160-1-AT75DX



ART. C160

Valvola a sfera con attuatore Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUATORE	AT83SX	AT83SX	AT83SX	AT92SX	AT105SX
CODICE	C160-1/4-AT83SX	C160-3/8-AT83SX	C160-1/2-AT83SX	C160-3/4-AT92SX	C160-1-AT105S



ART. C160

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUATORE	S35	S35	S35	S55	S55
CODICE	C160-1/4-S35	C160-3/8-S35	C160-1/2-S35	C160-3/4-S55	C160-1-S55



3 WAY PNEUMATIC BALL VALVE C161L – C162T

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 500

(DISC MATERIALS) A105

(SEALING MATERIALS) NBR

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -20 +100C



**MOUNTING BRACKET
INGRESSO DALLA PORTA CENTRALE
INPUT CENTRAL PORT**

ART.C161L
ART.C162T

Valvola a sfera A105 ISO 5211 – Ball valves with ISO 5211
Valvola a sfera A105 ISO 5211 – Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
161-L	C161L-1/4	C161L-3/8	C161L-1/2	C161L-3/4	C161L-1
162-T	C162T-1/4	C162T-3/8	C162T-1/2	C162T-3/4	C162T-1



ART. C161L Valvola a sfera con attuatore AT Doppio Effetto

ART.C162T Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUAT.	AT52DX	AT52DX	AT52DX	AT63DX	AT75DX
161-L	C161L-1/4-AT52DX	C161L-3/8-AT52DX	C161L-1/2-AT52DX	C161L-3/4-AT63DX	C161L-1-AT75DX
162-T	C162T-1/4-AT52DX	C162T-3/8-AT52DX	C162T-1/2-AT52DX	C162T-3/4-AT63DX	C162T-1-AT75DX



ART. C161L Valvola a sfera con attuatore Semplice Effetto

ART.C162T Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUAT.	AT83SX	AT83SX	AT83SX	AT92SX	AT105SX
161-L	C161L-1/4-AT83SX	C161L-3/8-AT83SX	C161L-1/2-AT83SX	C161L-3/4-AT92SX	C161L-1-AT105S
162-T	C162T-1/4-AT83SX	C162T-3/8-AT83SX	C162T-1/2-AT83SX	C162T-3/4-AT92SX	C162T-1-AT105S



ART. C161L Valvola a sfera con attuatore J4C Elettrico

ART.C162T Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1
PN	500	500	500	400	350
ATTUAT.	S35	S35	S35	S55	S55
161-L	C161L-1/4-S35	C161L-3/8-S35	C161L-1/2-S35	C161L-3/4-S55	C161L-1-S55
162-T	C162T-1/4-S35	C162T-3/8-S35	C162T-1/2-S35	C162T-3/4-S55	C162T-1-S55



2 WAY BALL VALVE CAMVL20/20R

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) A106 PN 100-64

(DISC MATERIALS) INOX 316

(SEALING MATERIALS) PTFE/DELRIN

(TEMPERATURE) -20 +100C



ON REQUEST:

800PSI-3000PSI

2500PSI-6000PSI

PTFE + CARBON GRAFITE

BSP OR NPT MALE AND FEMALE ENDS

SW-BW ENDS

FIRE SAFE

ANTISTATIC DEVICE

TA-LUFT EXECUTION

EXECUTION FOR GAS SERVICE

DEGREASING FOR OXIGEN

ART. CAMVL20

Valvola a sfera con leva – Ball valves with level

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
CODICE	CAMVL20-1/4	CAMVL20-3/8	CAMVL20-1/2	CAMVL20-3/4	CAMVL20-1	CAMVL20-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	100	100	64	64	64	
CODICE	CAMVL20-11/2	CAMVL20-2	CAMVL20-21/2	CAMVL20-3	CAMVL20-4	



MOUNTING BRACKET

ART. CAMVL20R

Valvola a sfera ISO 5211 Ball valves with ISO 5211

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
CODICE	CAMVL20R-1/4	CAMVL20R-3/8	CAMVL20R-1/2	CAMVL20R-3/4	CAMVL20R-1	CAMVL20R-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	100	100	64	64	64	
CODICE	CAMVL20R-11/2	CAMVL20R-2	CAMVL20R-21/2	CAMVL20R-3	CAMVL20R-4	



ART. CAMVL20R

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	AT52DX	AT52DX	AT63DX	AT63DX	AT63DX	AT92DX
COD.	CVL20R-14-AT52D	CVL20R-38-AT52D	CVL20R-12-AT63D	CVL20R-34-AT63D	CVL20R-1-AT63D	CVL20R-114-AT92D
SIZE	1 1/2	2				
PN	100	100				
ATTU.	AT105DX	AT105DX				
COD.	CVL20R-112-AT105D	CVL20R-2-AT105D				



ART. CAMVL20R

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX	AT105SX
COD.	CVL20R-14-AT63S	CVL20R-38-AT63S	CVL20R-12-AT75S	CVL20R-34-AT75S	CVL20R-1-AT83S	CVL20R-114-AT105S
SIZE	1 1/2	2				
PN	100	100				
ATTU.	AT105SX	AT125SX				
COD.	CVL20R-112-AT105S	CVL20R-2-AT125S				



ART. CAMVL20R

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	100	100
ATTU.	S35	S35	S35	S55	S55	S140
CODICE	CVL20R-14-S35	CVL20R-38-S35	CVL20R-12-S35	CVL20R-34-S55	CVL20R-1-S55	CVL20R-114-S140
SIZE	1 1/2	2				
PN	100	100				
ATTU.	S140	S300				
CODICE	CVL20R-112-S140	CVL20R-2-S300				



FLANGED BALL VALVE CAMVL10

Specifications

(SIZE RANGE) DN15 TO DN150, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE – PTFE

CARBON GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,

SINGLE ACTING AND

ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

ON REQUEST:

INTEGRAL SEAL

PN16-40-64-100

ANSI150-300-600

FIRE SAFE

ANTISTATIC DEVICE

DEGREASING FOR OXYGEN

SEALS MADE OF:

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

HEATING JACKET

ART. CAMVL10

Valvola a sfera con flangia ISO 5211 – Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAMVL10-15	CAMVL10-20	CAMVL10-25	CAMVL10-32	CAMVL10-40	CAMVL10-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAMVL10-65	CAMVL10-80	CAMVL10-100	CAMVL10-125	CAMVL10-150	



ART. CAMVL10

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT40DX	AT52DX	AT63DX	AT63DX	AT63DX	AT75DX
COD.	CAMVL10-15-AT40D	CAMVL10-20-AT52D	CAMVL10-25-AT63D	CAMVL10-32-AT63D	CAMVL10-40-AT63D	CAMVL10-50-AT75D
SIZE	65	80	100	125		
PN	16	16	16	16		
ATT.	AT92DX	AT92DX	AT125DX	AT140DX		
COD.	CAMVL10-65-AT92D	CAMVL10-80-AT92D	CAMVL10100AT125D	CAMVL10125AT140D		



ART. CAMVL10

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63DX	AT63DX	AT83DX	AT92SX	AT92SX	AT105SX
COD.	CAMVL10-15-AT63S	CAMVL10-20-AT63S	CAMVL10-25-AT83S	CAMVL10-40-AT92S	CAMVL10-40-AT92S	CAMVL1050AT105S
SIZE	65	80	100			
PN	16	16	16			
ATT.	AT125SX	AT140SX	AT160SX			
COD.	CAMVL1065AT125S	CAMVL1080AT140S	CAMVL10100AT160S			



ART. CAMVL10

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
TTU.	S20	S20	S55	S55	S55	S55
CODICE	CAMVL10-15-S20	CAMVL10-20-S20	CAMVL10-25-S55	CAMVL10-32-S55	CAMVL10-40-S55	CAMVL10-50-S85
SIZE	65	80	100			
PN	16	16	16			
TTU.	S85	S140	S300			
CODICE	CAMVL10-65-S85	CAMVL10-80-S140	CAMVL10-100-S300			



FLANGED SPLIT BODY BALL VALVE CAMVL60

Specifications

(SIZE RANGE) DN15 TO DN150, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE – PTFE CARBON
GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

ON REQUEST:

INTEGRAL SEAL

PN16-40-64-100

ANSI 150 CAMVL64 – ANSI 300 CAMVL68

ANSI 600 CAMVL70 – ANSI 1500 CAMVL80 – ANSI

2500 CAMVL90

FIRE SAFE

ANTISTATIC DEVICE

DEGREASING FOR OXYGEN

P.T.F.E. WITH CARBOGRAPHITE -20 +180C

HEATING JACKET

ART. CAMVL60

Valvola a sfera con ISO 5211 - Ball valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAMVL60-15	CAMVL60-20	CAMVL60-25	CAMVL60-32	CAMVL60-40	CAMVL60-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	CAMVL60-65	CAMVL60-80	CAMVL60-100	CAMVL60-125	CAMVL60-150	



ART. CAMVL60

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT40DX	AT52DX	AT63DX	AT63DX	AT63DX	AT75DX
COD.	CAMVL60-15-AT40D	CAMVL60-20-AT52D	CAMVL60-25-AT63D	CAMVL60-32-AT63D	CAMVL60-40-AT63D	CAMVL60-50-AT75D
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
ATTU.	AT92DX	AT92DX	AT125DX	AT125DX		
COD.	CAMVL60-65-AT92D	CAMVL60-80-AT92D	CAMVL60100AT105D	CAMVL60125AT125D		



ART. CAMVL60

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT83SX	AT92SX	AT92SX	AT105SX
COD.	CAMVL60-15-AT63SX	CAMVL60-20-AT63S	CAMVL60-25-AT83S	CAMVL60-32-AT92S	CAMVL60-40-AT92S	CAMVL6050AT105S
SIZE	65	80	100			
PN	16	16	16			
ATTU.	AT125SX	AT140SX	AT160SX			
COD.	CAMVL6065AT125S	CAMVL6080AT140S	CAMVL60100AT160SX			



ART. CAMVL60

Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTU.	S20	S20	S55	S55	S55	S55
CODICE	CAMVL60-15-S20	CAMVL60-20-S20	CAMVL60-25-S55	CAMVL60-32-S55	CAMVL60-40-S55	CAMVL60-50-S85
SIZE	65	80	100			
PN	16	16	16			
ATTU.	S85	S140	S300			
CODICE	CAMVL60-65-S85	CAMVL60-80-S140	CAMVL60-100-S300			

ON DEMAND



FLANGED BALL VALVE CAMVL103T - CAMVL103L

Specifications

(SIZE RANGE) DN15 TO DN100, UNI

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) A105 PN 16

(DISC MATERIALS) AISI 304-316

(SEALING MATERIALS) PTFE – PTFE CARBON GRAPHITE

(ACTING MODE) PNEUMATIC DOUBLE ACTING, SINGLE ACTING AND ELECTRIC ACTUATOR

(TEMPERATURE) -25 +150C

6 - CAST IRON VALVES



2 WAY BALL VALVE B2

Specifications

(SIZE RANGE) DN15 TO DN250, EN1092/ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CAST IRON PN 16

(BALL MATERIALS) INOX 304

(SEALING MATERIALS) NBR

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +100C FKM -10+150C

(OPTIONS) -FOR GAS (DVGW) – BODY BRONZE O
RING FKM

ART. B2.100 SFERA E ASTA IN OTTONE

ART. B2.110 SFERA AISI 304 E ASTA IN OTTONE

ART. B2.111 SFERA E ASTA IN AISI 304

ART. B2.121 SFERA E ASTA IN AISI 316

Ball Brass Steam Brass valves with ISO 5211

Ball AISI 304 Steam Brass valves with ISO 5211

Ball AISI 304 Steam AISI 304 valves with ISO 5211

Ball AISI 316 Stem AISI 304 valves with ISO 5211

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
B2.100	B2.100-15	B2.100-20	B2.100-25	B2.100-32	B2.100-40	B2.100-50
B2.110	B2.110-15	B2.110-20	B2.110-25	B2.110-32	B2.110-40	B2.110-50
B2.111	B2.111-15	B2.111-20	B2.111-25	B2.111-32	B2.111-40	B2.111-50
B2.121	B2.121-15	B1.121-20	B2.121-25	B2.121-32	B2.121-40	B2.121-50
SIZE	65	80	100	125		
PN	16	16	16	16		
B2.100	B2.100-65	B2.100-80	B2.100-100	B2.100-125		
B2.110	B2.110-65	B2.110-80	B2.110-100	B2.110-125		
B2.111	B2.111-65	B2.111-80	B2.111-100	B2.111-125		
B2.121	B2.121-65	B2.121-80	B2.121-100	B2.121-125		



ART. B2 Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT52DX	AT52DX	AT52DX	AT63DX	AT63DX	AT63DX
B2.100	B2.100-15-AT52D	B2.100-20-AT52D	B2.100-25-AT52D	B2.100-32-AT63D	B2.100-40-AT63D	B2.100-50-AT63D
B2.110	B2.110-15-AT52D	B2.110-20-AT52D	B2.110-25-AT52D	B2.110-32-AT63D	B2.110-40-AT63D	B2.110-50-AT63D
B2.111	B2.111-15-AT52D	B2.111-20-AT52D	B2.111-25-AT52D	B2.111-32-AT63D	B2.111-40-AT63D	B2.111-50-AT63D
B2.121	B2.121-15-AT52D	B1.121-20-AT52D	B2.121-25-AT52D	B2.121-32-AT63D	B2.121-40-AT63D	B2.121-50-AT63D
SIZE	65	80	100	125		
PN	16	16	16	16		
ATT.	AT75DX	AT92DX	AT105DX	AT125DX		
B2.100	B2.100-65-AT75D	B2.100-80-AT92D	B2.100100-AT105D	B2.100125-AT125D		
B2.110	B2.110-65-AT75D	B2.110-80-AT92D	B2.110100-AT105D	B2.110125-AT125D		
B2.111	B2.111-65-AT75D	B2.111-80-AT92D	B2.111100-AT105D	B2.111125-AT125D		
B2.121	B2.121-65-AT75D	B2.121-80-AT92D	B2.121100-AT105D	B2.121125-AT125D		



ART. B2 Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT75SX	AT75SX	AT75SX	AT75SX	AT83SX	AT83SX
B2.100	B2.100-15-AT75S	B2.100-20-AT75S	B2.100-25-AT75S	B2.100-32-AT75S	B2.100-40-AT83S	B2.100-50-AT83S
B2.110	B2.110-15-AT75S	B2.110-20-AT75S	B2.110-25-AT75S	B2.110-32-AT75S	B2.110-40-AT83S	B2.110-50-AT83S
B2.111	B2.111-15-AT75S	B2.111-20-AT75S	B2.111-25-AT75S	B2.111-32-AT75S	B2.111-40-AT83S	B2.111-50-AT83S
B2.121	B2.121-15-AT75S	B1.121-20-AT75S	B2.121-25-AT75S	B2.121-32-AT75S	B2.121-40-AT83S	B2.121-50-AT83S
SIZE	65	80	100	125		
PN	16	16	16	16		
ATT.	AT92SX	AT125SX	AT140SX	AT160SX		
B2.100	B2.100-65-AT92S	B2.10080-AT125S	B2.100100-AT140S	B2.100125-AT160S		
B2.110	B2.110-65-AT92S	B2.11080-AT125S	B2.110100-AT140S	B2.110125-AT160S		
B2.111	B2.111-65-AT92S	B2.11180-AT125S	B2.111100-AT140S	B2.111125-AT160S		
B2.121	B2.121-65-AT92S	B2.12180-AT125S	B2.121100-AT140S	B2.121125-AT160S		



ART. B2 Valvola a sfera con attuatore J4C Elettrico
 Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
 PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	S35	S35	S35	S35	S35	S35
B2.100	B2.100-15-S35	B2.100-20-S35	B2.100-25-S35	B2.100-32-S35	B2.100-40-S35	B2.100-50-S35
B2.110	B2.110-15-S35	B2.110-20-S35	B2.110-25-S35	B2.110-32-S35	B2.110-40-S35	B2.110-50-S35
B2.111	B2.111-15-S35	B2.111-20-S35	B2.111-25-S35	B2.111-32-S35	B2.111-40-S35	B2.111-50-S35
B2.121	B2.121-15-S35	B2.121-20-S35	B2.121-25-S35	B2.121-32-S35	B2.121-40-S35	B2.121-50-S35
SIZE	65	80	100	125		
PN	16	16	16	16		
ATT.	S55	S140	S140	S300		
B2.100	B2.100-65-S55	B2.10080-S140	B2.100100-S140	B2.100125-S300		
B2.110	B2.110-65-S55	B2.11080-S140	B2.110100-S140	B2.110125-S300		
B2.111	B2.111-65-S55	B2.11180-S140	B2.111100-S140	B2.111125-S300		
B2.121	B2.121-65-S55	B2.12180-S140	B2.121100-S140	B2.121125-S300		



2 WAY BALL VALVE B1



Specifications

(SIZE RANGE) DN20 TO DN100, EN1092/ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CAST IRON PN 16

(BALL MATERIALS) INOX 304

(SEALING MATERIALS) NBR

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +100C FKM -10+150C

(OPTIONS) O RING FKM

ART. B1.000 SFERA E ASTA IN OTTONE
ART. B1.010 SFERA AISI 304 E ASTA IN OTTONE

ART. B1.011 SFERA E ASTA IN AISI 304

Ball Brass Steam Brass valves with ISO 5211
Ball AISI 304 Steam Brass valves with ISO 5211

Ball AISI 304 Steam AISI 304 valves with ISO 5211

SIZE	20	25	32	40	50	65
PN	16	16	16	16	16	16
B1.000	B1.000-20	B1.000-25	B1.000-32	B1.000-40	B1.000-50	B1.000-65
B1.010	B1.010-20	B1.010-25	B1.010-32	B1.010-40	B1.010-50	B1.010-65
B1.011	B1.011-20	B1.011-25	B1.011-32	B1.011-40	B1.011-50	B1.011-65
SIZE	80	100				
PN	16	16				
B1.000	B1.000-80	B1.000-100				
B1.010	B1.010-80	B1.010-100				
B1.011	B1.011-80	B1.011-100				



ART. B1 Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	20	25	32	40	50	65
PN	16	16	16	16	16	16
ATT.	AT52DX	AT52DX	AT63DX	AT63DX	AT63DX	AT75DX
B1.000	B1.000-20-AT52D	B1.000-25-AT52D	B1.000-32-AT63D	B1.000-40-AT63D	B1.000-50-AT63D	B1.000-65-AT75D
B1.010	B1.010-20-AT52D	B1.010-25-AT52D	B1.010-32-AT63D	B1.010-40-AT63D	B1.010-50-AT63D	B1.010-65-AT75D
B1.011	B1.011-20-AT52D	B1.011-25-AT52D	B1.011-32-AT63D	B1.011-40-AT63D	B1.011-50-AT63D	B1.011-65-AT75D
SIZE	80	100				
PN	16	16				
ATT.	AT92DX	AT105DX				
B1.000	B1.000-80-AT92D	B1.000-100-AT105D				
B1.010	B1.010-80-AT92D	B1.010-100-AT105D				
B1.011	B1.011-80-AT92D	B1.011-100-AT105D				



ART. B1 Valvola a sfera con attuatore AT Semplice Effetto
 Ball valves with AT actuator S.E
 10 Spring Single Acting

SIZE	20	25	32	40	50	65
PN	16	16	16	16	16	16
ATT.	AT75SX	AT75SX	AT75SX	AT83SX	AT83SX	AT92SX
B1.000	B1.000-20-AT75S	B1.000-25-AT75S	B1.000-32-AT75S	B1.000-40-AT83S	B1.000-50-AT83S	B1.000-65-AT92S
B1.010	B1.010-20-AT75S	B1.010-25-AT75S	B1.010-32-AT75S	B1.010-40-AT83S	B1.010-50-AT83S	B1.010-65-AT92S
B1.011	B1.011-20-AT75S	B1.011-25-AT75S	B1.011-32-AT75S	B1.011-40-AT83S	B1.011-50-AT83S	B1.011-65-AT92S
SIZE	80	100				
PN	16	16				
ATT.	AT125SX	AT140SX				
B1.000	B1.000-80-AT125S	B1.000-100-AT140S				
B1.010	B1.010-80-AT125S	B1.010-100-AT140S				
B1.011	B1.011-80-AT125S	B1.011-100-AT140S				



ART. B1 Valvola a sfera con attuatore J4C Elettrico
 Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
 PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	20	25	32	40	50	65
PN	16	16	16	16	16	16
ATT.	S35	S35	S35	S35	S35	S55
B1.000	B1.000-20-S35	B1.000-25-S35	B1.000-32-S35	B1.000-40-S35	B1.000-50-S35	B1.000-65-S55
B1.010	B1.010-20-S35	B1.010-25-S35	B1.010-32-S35	B1.010-40-S35	B1.010-50-S35	B1.010-65-S55
B1.011	B1.011-20-S35	B1.011-25-S35	B1.011-32-S35	B1.011-40-S35	B1.011-50-S35	B1.011-65-S55
SIZE	80	100				
PN	16	16				
ATT.	S140	S140				
B1.000	B1.000-80-S140	B1.000-100-S140				
B1.010	B1.010-80-S140	B1.010-100-S140				
B1.011	B1.011-80-S140	B1.011-100-S140				



3 WAY BALL VALVE T4

Specifications

(SIZE RANGE) DN50 TO DN150, EN1092/ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) CAST IRON PN 16

(BALL MATERIALS) INOX 304

(SEALING MATERIALS) NBR

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +100C FKM -10 +150C

(OPTION) -Y TYPE AND T4.100

BALL AND STEM BRASS



2 WAY BALL VALVE B2.7

Specifications

(SIZE RANGE) DN15 TO DN250, EN1092/ISO7005

(OPERATING PRESSURE) 8 BAR

(BODY MATERIALS) BRONZE

(BALL MATERIALS) INOX 316

(SEALING MATERIALS) PTFE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +100C FKM -10 +150C

(OPTION) B2.300 BALL AND STEM BRASS

B2.377 BALL AND STEM BRONZE
ALLUMINIUM

S2 ANSI 150 FULL BORE

B2.7 BRONZE -ALLUMINIUM

7 - BUTTERFLY VALVES



DM 174



CAST IRON WAFER BUTTERFLY VALVE J9

Specifications

(SIZE RANGE) DN25 TO DN600

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(BODY MATERIALS) DUCTILE IRON,
STAINLESS STEEL PN16

(DISC MATERIALS) CAST IRON, STAINLESS STEEL,
ALLUMINIUM -BRONZE

(SEALING MATERIALS) NBR, EPDM, FKM (VITON),
PTFE (TEFLON)

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +150C

(OPTIONS) SEAL EPDM HT – PTFE+EPDM – NYLON 11
FOR GAS / FOR DRINKING WATER

- ART. J9.100 GHISA-EPDM
- ART. J9.101 GHISA-NBR LEVA GIALLA PER GAS
- ART. J9.102 GHISA -FKM
- ART. J9.120 INOX- EPDM
- ART. J9.121 INOX-NBR LEVA GIALLA PER GAS
- ART. J9.122 INOX -FKM
- ART. J9.128 INOX- GOMMA WRAS
- ART. J9.170 BRONZO ALLUMINIO- EPDM
- ART. J9.171 BRONZO ALLUMINIO- NBR
- ART. J9.172 BRONZO ALLUMINIO- FKM

TEMPERATURE

EPDM -10 +120C

EPDM WRAS -10 +80C

NBR -10 +80C

FKM -10 +150C

DAL DN 300 AL DN 600 COMPLETE DI RIDUTTORE RM FROM DN 300 TO DN 600 WITH GEAR BOX

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
J9.100	J9.100-25	J9.100-32	J9.100-40	J9.100-50	J9.100-65	J9.100-80
J9.101	J9.101-25	J9.101-32	J9.101-40	J9.101-50	J9.101-65	J9.101-80
J9.102	J9.102-25	J9.102-32	J9.102-40	J9.102-50	J9.102-65	J9.102-80
J9.120	J9.120-25	J9.120-32	J9.120-40	J9.120-50	J9.120-65	J9.120-80
J9.121	J9.121-25	J9.121-32	J9.121-40	J9.121-50	J9.121-65	J9.121-80
J9.122	J9.122-25	J9.122-32	J9.122-40	J9.122-50	J9.122-65	J9.122-80
J9.128	J9.128-25	J9.128-32	J9.128-40	J9.128-50	J9.128-65	J9.128-80
J9.170	J9.170-25	J9.170-32	J9.170-40	J9.170-50	J9.170-65	J9.170-80
J9.171	J9.171-25	J9.171-32	J9.171-40	J9.171-50	J9.171-65	J9.171-80
J9.172	J9.172-25	J9.172-32	J9.172-40	J9.172-50	J9.172-65	J9.172-80
SIZE	100	125	150	200	250	300
PN	16	16	16	16		
J9.100	J9.100-100	J9.100-125	J9.100-150	J9.100-200	J9.100-250	J9.100-300
J9.101	J9.101-100	J9.101-125	J9.101-150	J9.101-200	J9.101-250	J9.101-300
J9.102	J9.102-100	J9.102-125	J9.102-150	J9.102-200	J9.102-250	J9.102-300
J9.120	J9.120-100	J9.120-125	J9.120-150	J9.120-200	J9.120-250	J9.120-300
J9.121	J9.121-100	J9.121-125	J9.121-150	J9.121-200	J9.121-250	J9.121-300
J9.122	J9.122-100	J9.122-125	J9.122-150	J9.122-200	J9.122-250	J9.122-300
J9.128	J9.128-100	J9.128-125	J9.128-150	J9.128-200	J9.128-250	J9.128-300
J9.170	J9.170-100	J9.170-125	J9.170-150	J9.170-200	J9.170-250	J9.170-300
J9.171	J9.171-100	J9.171-125	J9.171-150	J9.171-200	J9.171-250	J9.171-300
J9.172	J9.172-100	J9.172-125	J9.172-150	J9.172-200	J9.172-250	J9.172-300



ART.J9

Valvola a farfalla Wafer con attuatore AT Doppio effetto

Wafer Butterfly with AT actuator D.E

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
J9.100	J9.100-25-AT40DX	J9.100-32-AT40DX	J9.100-40-AT40DX	J9.100-50-AT52DX	J9.100-65-AT63DX	J9.100-80-AT63DX
J9.101	J9.101-25-AT40DX	J9.101-32-AT40DX	J9.101-40-AT40DX	J9.101-50-AT52DX	J9.101-65-AT63DX	J9.101-80-AT63DX
J9.102	J9.102-25-AT40DX	J9.102-32-AT40DX	J9.102-40-AT40DX	J9.102-50-AT52DX	J9.102-65-AT63DX	J9.102-80-AT63DX
J9.120	J9.120-25-AT40DX	J9.120-32-AT40DX	J9.120-40-AT40DX	J9.120-50-AT52DX	J9.120-65-AT63DX	J9.120-80-AT63DX
J9.121	J9.121-25-AT40DX	J9.121-32-AT40DX	J9.121-40-AT40DX	J9.121-50-AT52DX	J9.121-65-AT63DX	J9.121-80-AT63DX
J9.122	J9.122-25-AT40DX	J9.122-32-AT40DX	J9.122-40-AT40DX	J9.122-50-AT52DX	J9.122-65-AT63DX	J9.122-80-AT63DX
J9.128	J9.128-25-AT40DX	J9.128-32-AT40DX	J9.128-40-AT40DX	J9.128-50-AT52DX	J9.128-65-AT63DX	J9.128-80-AT63DX
J9.170	J9.170-25-AT40DX	J9.170-32-AT40DX	J9.170-40-AT40DX	J9.170-50-AT52DX	J9.170-65-AT63DX	J9.170-80-AT63DX
J9.171	J9.171-25-AT40DX	J9.171-32-AT40DX	J9.171-40-AT40DX	J9.171-50-AT52DX	J9.171-65-AT63DX	J9.171-80-AT63DX
J9.172	J9.172-25-AT40DX	J9.172-32-AT40DX	J9.172-40-AT40DX	J9.172-50-AT52DX	J9.172-65-AT63DX	J9.172-80-AT63DX
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	AT75DX	AT92DX	AT92DX	AT125DX	AT140DX	AT160DX
J9.100	J9.100-100-AT75D	J9.100-125-AT92D	J9.100-150-AT92D	J9.100200-AT125D	J9.100250-AT140D	J9.100300-AT160D
J9.101	J9.101-100-AT75D	J9.101-125-AT92D	J9.101-150-AT92D	J9.101200-AT125D	J9.101250-AT140D	J9.101300-AT160D
J9.102	J9.102-100-AT75D	J9.102-125-AT92D	J9.102-150-AT92D	J9.102200-AT125D	J9.102250-AT140D	J9.102300-AT160D
J9.120	J9.120-100-AT75D	J9.120-125-AT92D	J9.120-150-AT92D	J9.120200-AT125D	J9.120250-AT140D	J9.120300-AT160D
J9.121	J9.121-100-AT75D	J9.121-125-AT92D	J9.121-150-AT92D	J9.121200-AT125D	J9.121250-AT140D	J9.121300-AT160D
J9.122	J9.122-100-AT75D	J9.122-125-AT92D	J9.122-150-AT92D	J9.122200-AT125D	J9.122250-AT140D	J9.122300-AT160D
J9.128	J9.128-100-AT75D	J9.128-125-AT92D	J9.128-150-AT92D	J9.128200-AT125D	J9.128250-AT140D	J9.128300-AT160D
J9.170	J9.170-100-AT75D	J9.170-125-AT92D	J9.170-150-AT92D	J9.170200-AT125D	J9.170250-AT140D	J9.170300-AT160D
J9.171	J9.171-100-AT75D	J9.171-125-AT92D	J9.171-150-AT92D	J9.171200-AT125D	J9.171250-AT140D	J9.171300-AT160D
J9.172	J9.172-100-AT75D	J9.172-125-AT92D	J9.172-150-AT92D	J9.172200-AT125D	J9.172250-AT140D	J9.172300-AT160D



ART.J9

Valvola a farfalla Wafer con attuatore AT Semplice Effetto

Wafer Butterfly with AT actuator S.E

10 Spring Single Acting

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	AT52SX	AT52SX	AT63SX	AT75SX	AT83SX	AT92SX
J9.100	J9.100-25-AT52SX	J9.100-32-AT52SX	J9.100-40-AT63SX	J9.100-50-AT75SX	J9.100-65-AT83SX	J9.100-80-AT92SX
J9.101	J9.101-25-AT52SX	J9.101-32-AT52SX	J9.101-40-AT63SX	J9.101-50-AT75SX	J9.101-65-AT83SX	J9.101-80-AT92SX
J9.102	J9.102-25-AT52SX	J9.102-32-AT52SX	J9.102-40-AT63SX	J9.102-50-AT75SX	J9.102-65-AT83SX	J9.102-80-AT92SX
J9.120	J9.120-25-AT52SX	J9.120-32-AT52SX	J9.120-40-AT63SX	J9.120-50-AT75SX	J9.120-65-AT83SX	J9.120-80-AT92SX
J9.121	J9.121-25-AT52SX	J9.121-32-AT52SX	J9.121-40-AT63SX	J9.121-50-AT75SX	J9.121-65-AT83SX	J9.121-80-AT92SX
J9.122	J9.122-25-AT52SX	J9.122-32-AT52SX	J9.122-40-AT63SX	J9.122-50-AT75SX	J9.122-65-AT83SX	J9.122-80-AT92SX
J9.128	J9.128-25-AT52SX	J9.128-32-AT52SX	J9.128-40-AT63SX	J9.128-50-AT75SX	J9.128-65-AT83SX	J9.128-80-AT92SX
J9.170	J9.170-25-AT52SX	J9.170-32-AT52SX	J9.170-40-AT63SX	J9.170-50-AT75SX	J9.170-65-AT83SX	J9.170-80-AT92SX
J9.171	J9.171-25-AT52SX	J9.171-32-AT52SX	J9.171-40-AT63SX	J9.171-50-AT75SX	J9.171-65-AT83SX	J9.171-80-AT92SX
J9.172	J9.172-25-AT52SX	J9.172-32-AT52SX	J9.172-40-AT63SX	J9.172-50-AT75SX	J9.172-65-AT83SX	J9.172-80-AT92SX
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	AT105SX	AT125SX	AT140SX	AT160SX	AT190SX	AT210SX
J9.100	J9.100100-AT105S	J9.100125-AT125S	J9.100150-AT140S	J9.100200-AT160S	J9.100250-AT190S	J9.100300-AT210S
J9.101	J9.101100-AT105S	J9.101125-AT125S	J9.101150-AT140S	J9.101200-AT160S	J9.101250-AT190S	J9.101300-AT210S
J9.102	J9.102100-AT105S	J9.102125-AT125S	J9.102150-AT140S	J9.102200-AT160S	J9.102250-AT190S	J9.102300-AT210S
J9.120	J9.120100-AT105S	J9.120125-AT125S	J9.120150-AT140S	J9.120200-AT160S	J9.120250-AT190S	J9.120300-AT210S
J9.121	J9.121100-AT105S	J9.121125-AT125S	J9.121150-AT140S	J9.121200-AT160S	J9.121250-AT190S	J9.121300-AT210S
J9.122	J9.122100-AT105S	J9.122125-AT125S	J9.122150-AT140S	J9.122200-AT160S	J9.122250-AT190S	J9.122300-AT210S
J9.128	J9.128100-AT105S	J9.128125-AT125S	J9.128150-AT140S	J9.128200-AT160S	J9.128250-AT190S	J9.128300-AT210S
J9.170	J9.170100-AT105S	J9.170125-AT125S	J9.170150-AT140S	J9.170200-AT160S	J9.170250-AT190S	J9.170300-AT210S
J9.171	J9.171100-AT105S	J9.171125-AT125S	J9.171150-AT140S	J9.171200-AT160S	J9.171250-AT190S	J9.171300-AT210S
J9.172	J9.172100-AT105S	J9.172125-AT125S	J9.172150-AT140S	J9.172200-AT160S	J9.172250-AT190S	J9.172300-AT210S



ART. J9 Valvola a farfalla Wafer con attuatore J4C Elettrico

Wafer Butterfly valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S20	S35	S55
J9.100	J9.100-25-S20	J9.100-32-S20	J9.100-40-S20	J9.100-50-S20	J9.100-65-S35	J9.100-80-S55
J9.101	J9.101-25-S20	J9.101-32-S20	J9.101-40-S20	J9.101-50-S20	J9.101-65-S35	J9.101-80-S55
J9.102	J9.102-25-S20	J9.102-32-S20	J9.102-40-S20	J9.102-50-S20	J9.102-65-S35	J9.102-80-S55
J9.120	J9.120-25-S20	J9.120-32-S20	J9.120-40-S20	J9.120-50-S20	J9.120-65-S35	J9.120-80-S55
J9.121	J9.121-25-S20	J9.121-32-S20	J9.121-40-S20	J9.121-50-S20	J9.121-65-S35	J9.121-80-S55
J9.122	J9.122-25-S20	J9.122-32-S20	J9.122-40-S20	J9.122-50-S20	J9.122-65-S35	J9.122-80-S55
J9.128	J9.128-25-S20	J9.128-32-S20	J9.128-40-S20	J9.128-50-S20	J9.128-65-S35	J9.128-80-S55
J9.170	J9.170-25-S20	J9.170-32-S20	J9.170-40-S20	J9.170-50-S20	J9.170-65-S35	J9.170-80-S55
J9.171	J9.171-25-S20	J9.171-32-S20	J9.171-40-S20	J9.171-50-S20	J9.171-65-S35	J9.171-80-S55
J9.172	J9.172-25-S20	J9.172-32-S20	J9.172-40-S20	J9.172-50-S20	J9.172-65-S35	J9.172-80-S55
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	S85	S140	S140	S300		
J9.100	J9.100-100-S85	J9.100-125-S140	J9.100-150-S140	J9.100-200-S300	RIC.	
J9.101	J9.101-100-S85	J9.101-125-S140	J9.101-150-S140	J9.101-200-S300		
J9.102	J9.102-100-S85	J9.102-125-S140	J9.102-150-S140	J9.102-200-S300		
J9.120	J9.120-100-S85	J9.120-125-S140	J9.120-150-S140	J9.120-200-S300		
J9.121	J9.121-100-S85	J9.121-125-S140	J9.121-150-S140	J9.121-200-S300		
J9.122	J9.122-100-S85	J9.122-125-S140	J9.122-150-S140	J9.122-200-S300		
J9.128	J9.128-100-S85	J9.128-125-S140	J9.128-150-S140	J9.128-200-S300		
J9.170	J9.170-100-S85	J9.170-125-S140	J9.170-150-S140	J9.170-200-S300		
J9.171	J9.171-100-S85	J9.171-125-S140	J9.171-150-S140	J9.171-200-S300		
J9.172	J9.172-100-S85	J9.172-125-S140	J9.172-150-S140	J9.172-200-S300		

RIDUTTORE MANUALE GEAR BOX

ARTICOLO	RM0250	RM0750	RM1200
DN	25-150	200	250-400



ON DEMAND DISCONNECTABLE GEAR BOX



DM 174



CAST IRON LUG BUTTERFLY VALVE L9

Specifications

(SIZE RANGE) DN25 TO DN600

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(BODY MATERIALS) DUCTILE IRON, STAINLESS
STEEL PN16

(DISC MATERIALS) CAST IRON, STAINLESS STEEL,
ALLUMINIUM -BRONZE

(SEALING MATERIALS) NBR, EPDM, FKM (VITON),
PTFE (TEFLON)

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +150C

(OPTIONS) SEAL EPDM HT – PTFE+EPDM –
DISK INOX/PTFE
FOR GA S / FOR DRINKING WATER

DAL DN 200 AL DN 600 SPECIFICARE SE
PN16 O PN 10

FROM DN 200 TO DN 600 SPECIFY IF PN 10 OR PN 16

TEMPERATURE

EPDM -10 +120C

EPDM WRAS -10 +80C

NBR -10 +80C

FKM -10 +150C

- ART. L9.100 GHISA-EPDM
- ART. L9.101 GHISA-NBR LEVA GIALLA PER GAS
- ART. L9.102 GHISA -FKM
- ART. L9.120 INOX- EPDM
- ART. L9.121 INOX-NBR LEVA GIALLA PER GAS
- ART. L9.122 INOX -FKM
- ART. L9.128 INOX- GOMMA WRAS
- ART. L9.170 BRONZO ALLUMINIO- EPDM
- ART. L9.171 BRONZO ALLUMINIO- NBR
- ART. L9.172 BRONZO ALLUMINIO- FKM

**DAL DN 300 AL DN 600 COMPLETE DI RIDUTTORE RM
FROM DN 300 TO DN 600 WITH GEAR BOX**

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
L9.100	L9.100-25	L9.100-32	L9.100-40	L9.100-50	L9.100-65	L9.100-80
L9.101	L9.101-25	L9.101-32	L9.101-40	L9.101-50	L9.101-65	L9.101-80
L9.102	L9.102-25	L9.102-32	L9.102-40	L9.102-50	L9.102-65	L9.102-80
L9.120	L9.120-25	L9.120-32	L9.120-40	L9.120-50	L9.120-65	L9.120-80
L9.121	L9.121-25	L9.121-32	L9.121-40	L9.121-50	L9.121-65	L9.121-80
L9.122	L9.122-25	L9.122-32	L9.122-40	L9.122-50	L9.122-65	L9.122-80
L9.128	L9.128-25	L9.128-32	L9.128-40	L9.128-50	L9.128-65	L9.128-80
L9.170	L9.170-25	L9.170-32	L9.170-40	L9.170-50	L9.170-65	L9.170-80
L9.171	L9.171-25	L9.171-32	L9.171-40	L9.171-50	L9.171-65	L9.171-80
L9.172	L9.172-25	L9.172-32	L9.172-40	L9.172-50	L9.172-65	L9.172-80
SIZE	100	125	150	200	250	300
PN	16	16	16	16		
L9.100	L9.100-100	L9.100-125	L9.100-150	L9.100-200	L9.100-250	L9.100-300
L9.101	L9.101-100	L9.101-125	L9.101-150	L9.101-200	L9.101-250	L9.101-300
L9.102	L9.102-100	L9.102-125	L9.102-150	L9.102-200	L9.102-250	L9.102-300
L9.120	L9.120-100	L9.120-125	L9.120-150	L9.120-200	L9.120-250	L9.120-300
L9.121	L9.121-100	L9.121-125	L9.121-150	L9.121-200	L9.121-250	L9.121-300
L9.122	L9.122-100	L9.122-125	L9.122-150	L9.122-200	L9.122-250	L9.122-300
L9.128	L9.128-100	L9.128-125	L9.128-150	L9.128-200	L9.128-250	L9.128-300
L9.170	L9.170-100	L9.170-125	L9.170-150	L9.170-200	L9.170-250	L9.170-300
L9.171	L9.171-100	L9.171-125	L9.171-150	L9.171-200	L9.171-250	L9.171-300
L9.172	L9.172-100	L9.172-125	L9.172-150	L9.172-200	L9.172-250	L9.172-300



ART.L9

**Valvola a farfalla Lug con attuatore
AT Doppio Effetto**

Lug Butterfly with AT actuator D.E

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
L9.100	L9.100-25-AT40DX	L9.100-32-AT40DX	L9.100-40-AT40DX	L9.100-50-AT52DX	L9.100-65-AT63DX	L9.100-80-AT63DX
L9.101	L9.101-25-AT40DX	L9.101-32-AT40DX	L9.101-40-AT40DX	L9.101-50-AT52DX	L9.101-65-AT63DX	L9.101-80-AT63DX
L9.102	L9.102-25-AT40DX	L9.102-32-AT40DX	L9.102-40-AT40DX	L9.102-50-AT52DX	L9.102-65-AT63DX	L9.102-80-AT63DX
L9.120	L9.120-25-AT40DX	L9.120-32-AT40DX	L9.120-40-AT40DX	L9.120-50-AT52DX	L9.120-65-AT63DX	L9.120-80-AT63DX
L9.121	L9.121-25-AT40DX	L9.121-32-AT40DX	L9.121-40-AT40DX	L9.121-50-AT52DX	L9.121-65-AT63DX	L9.121-80-AT63DX
L9.122	L9.122-25-AT40DX	L9.122-32-AT40DX	L9.122-40-AT40DX	L9.122-50-AT52DX	L9.122-65-AT63DX	L9.122-80-AT63DX
L9.128	L9.128-25-AT40DX	L9.128-32-AT40DX	L9.128-40-AT40DX	L9.128-50-AT52DX	L9.128-65-AT63DX	L9.128-80-AT63DX
L9.170	L9.170-25-AT40DX	L9.170-32-AT40DX	L9.170-40-AT40DX	L9.170-50-AT52DX	L9.170-65-AT63DX	L9.170-80-AT63DX
L9.171	L9.171-25-AT40DX	L9.171-32-AT40DX	L9.171-40-AT40DX	L9.171-50-AT52DX	L9.171-65-AT63DX	L9.171-80-AT63DX
L9.172	L9.172-25-AT40DX	L9.172-32-AT40DX	L9.172-40-AT40DX	L9.172-50-AT52DX	L9.172-65-AT63DX	L9.172-80-AT63DX
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	AT75DX	AT92DX	AT92DX	AT125DX	AT140DX	AT160DX
L9.100	L9.100-100-AT75D	L9.100-125-AT92D	L9.100-150-AT92D	L9.100200-AT125D	L9.100250-AT140D	L9.100300-AT160D
L9.101	L9.101-100-AT75D	L9.101-125-AT92D	L9.101-150-AT92D	L9.101200-AT125D	L9.101250-AT140D	L9.101300-AT160D
L9.102	L9.102-100-AT75D	L9.102-125-AT92D	L9.102-150-AT92D	L9.102200-AT125D	L9.102250-AT140D	L9.102300-AT160D
L9.120	L9.120-100-AT75D	L9.120-125-AT92D	L9.120-150-AT92D	L9.120200-AT125D	L9.120250-AT140D	L9.120300-AT160D
L9.121	L9.121-100-AT75D	L9.121-125-AT92D	L9.121-150-AT92D	L9.121200-AT125D	L9.121250-AT140D	L9.121300-AT160D
L9.122	L9.122-100-AT75D	L9.122-125-AT92D	L9.122-150-AT92D	L9.122200-AT125D	L9.122250-AT140D	L9.122300-AT160D
L9.128	L9.128-100-AT75D	L9.128-125-AT92D	L9.128-150-AT92D	L9.128200-AT125D	L9.128250-AT140D	L9.128300-AT160D
L9.170	L9.170-100-AT75D	L9.170-125-AT92D	L9.170-150-AT92D	L9.170200-AT125D	L9.170250-AT140D	L9.170300-AT160D
L9.171	L9.171-100-AT75D	L9.171-125-AT92D	L9.171-150-AT92D	L9.171200-AT125D	L9.171250-AT140D	L9.171300-AT160D
L9.172	L9.172-100-AT75D	L9.172-125-AT92D	L9.172-150-AT92D	L9.172200-AT125D	L9.172250-AT140D	L9.172300-AT160D



ART.L9 Valvola a farfalla Lug con attuatore AT Semplice Effetto

Lug Butterfly with AT actuator S.E

10 Spring Single Acting

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	AT40DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
L9.100	L9.100-25-AT40DX	L9.100-32-AT40DX	L9.100-40-AT40DX	L9.100-50-AT52DX	L9.100-65-AT63DX	L9.100-80-AT63DX
L9.101	L9.101-25-AT40DX	L9.101-32-AT40DX	L9.101-40-AT40DX	L9.101-50-AT52DX	L9.101-65-AT63DX	L9.101-80-AT63DX
L9.102	L9.102-25-AT40DX	L9.102-32-AT40DX	L9.102-40-AT40DX	L9.102-50-AT52DX	L9.102-65-AT63DX	L9.102-80-AT63DX
L9.120	L9.120-25-AT40DX	L9.120-32-AT40DX	L9.120-40-AT40DX	L9.120-50-AT52DX	L9.120-65-AT63DX	L9.120-80-AT63DX
L9.121	L9.121-25-AT40DX	L9.121-32-AT40DX	L9.121-40-AT40DX	L9.121-50-AT52DX	L9.121-65-AT63DX	L9.121-80-AT63DX
L9.122	L9.122-25-AT40DX	L9.122-32-AT40DX	L9.122-40-AT40DX	L9.122-50-AT52DX	L9.122-65-AT63DX	L9.122-80-AT63DX
L9.128	L9.128-25-AT40DX	L9.128-32-AT40DX	L9.128-40-AT40DX	L9.128-50-AT52DX	L9.128-65-AT63DX	L9.128-80-AT63DX
L9.170	L9.170-25-AT40DX	L9.170-32-AT40DX	L9.170-40-AT40DX	L9.170-50-AT52DX	L9.170-65-AT63DX	L9.170-80-AT63DX
L9.171	L9.171-25-AT40DX	L9.171-32-AT40DX	L9.171-40-AT40DX	L9.171-50-AT52DX	L9.171-65-AT63DX	L9.171-80-AT63DX
L9.172	L9.172-25-AT40DX	L9.172-32-AT40DX	L9.172-40-AT40DX	L9.172-50-AT52DX	L9.172-65-AT63DX	L9.172-80-AT63DX
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	AT75DX	AT92DX	AT92DX	AT125DX	AT140DX	AT160DX
L9.100	L9.100-100-AT75D	L9.100-125-AT92D	L9.100-150-AT92D	L9.100200-AT125D	L9.100250-AT140D	L9.100300-AT160D
L9.101	L9.101-100-AT75D	L9.101-125-AT92D	L9.101-150-AT92D	L9.101200-AT125D	L9.101250-AT140D	L9.101300-AT160D
L9.102	L9.102-100-AT75D	L9.102-125-AT92D	L9.102-150-AT92D	L9.102200-AT125D	L9.102250-AT140D	L9.102300-AT160D
L9.120	L9.120-100-AT75D	L9.120-125-AT92D	L9.120-150-AT92D	L9.120200-AT125D	L9.120250-AT140D	L9.120300-AT160D
L9.121	L9.121-100-AT75D	L9.121-125-AT92D	L9.121-150-AT92D	L9.121200-AT125D	L9.121250-AT140D	L9.121300-AT160D
L9.122	L9.122-100-AT75D	L9.122-125-AT92D	L9.122-150-AT92D	L9.122200-AT125D	L9.122250-AT140D	L9.122300-AT160D
L9.128	L9.128-100-AT75D	L9.128-125-AT92D	L9.128-150-AT92D	L9.128200-AT125D	L9.128250-AT140D	L9.128300-AT160D
L9.170	L9.170-100-AT75D	L9.170-125-AT92D	L9.170-150-AT92D	L9.170200-AT125D	L9.170250-AT140D	L9.170300-AT160D
L9.171	L9.171-100-AT75D	L9.171-125-AT92D	L9.171-150-AT92D	L9.171200-AT125D	L9.171250-AT140D	L9.171300-AT160D
L9.172	L9.172-100-AT75D	L9.172-125-AT92D	L9.172-150-AT92D	L9.172200-AT125D	L9.172250-AT140D	L9.172300-AT160D



ART. L9 Valvola a farfalla Lug con attuatore J4C Elettrico

Lug Butterfly valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	25	32	40	50	65	80
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S20	S35	S55
L9.100	L9.100-25-S20	L9.100-32-S20	L9.100-40-S20	L9.100-50-S20	L9.100-65-S35	L9.100-80-S55
L9.101	L9.101-25-S20	L9.101-32-S20	L9.101-40-S20	L9.101-50-S20	L9.101-65-S35	L9.101-80-S55
L9.102	L9.102-25-S20	L9.102-32-S20	L9.102-40-S20	L9.102-50-S20	L9.102-65-S35	L9.102-80-S55
L9.120	L9.120-25-S20	L9.120-32-S20	L9.120-40-S20	L9.120-50-S20	L9.120-65-S35	L9.120-80-S55
L9.121	L9.121-25-S20	L9.121-32-S20	L9.121-40-S20	L9.121-50-S20	L9.121-65-S35	L9.121-80-S55
L9.122	L9.122-25-S20	L9.122-32-S20	L9.122-40-S20	L9.122-50-S20	L9.122-65-S35	L9.122-80-S55
L9.128	L9.128-25-S20	L9.128-32-S20	L9.128-40-S20	L9.128-50-S20	L9.128-65-S35	L9.128-80-S55
L9.170	L9.170-25-S20	L9.170-32-S20	L9.170-40-S20	L9.170-50-S20	L9.170-65-S35	L9.170-80-S55
L9.171	L9.171-25-S20	L9.171-32-S20	L9.171-40-S20	L9.171-50-S20	L9.171-65-S35	L9.171-80-S55
L9.172	L9.172-25-S20	L9.172-32-S20	L9.172-40-S20	L9.172-50-S20	L9.172-65-S35	L9.172-80-S55
SIZE	100	125	150	200	250	300
PN	16	16	16	16-10	16-10	16-10
ATT.	S85	S140	S140	S300		
L9.100	L9.100-100-S85	L9.100-125-S140	L9.100-150-S140	L9.100-200-S300	RIC.	
L9.101	L9.101-100-S85	L9.101-125-S140	L9.101-150-S140	L9.101-200-S300		
L9.102	L9.102-100-S85	L9.102-125-S140	L9.102-150-S140	L9.102-200-S300		
L9.120	L9.120-100-S85	L9.120-125-S140	L9.120-150-S140	L9.120-200-S300		
L9.121	L9.121-100-S85	L9.121-125-S140	L9.121-150-S140	L9.121-200-S300		
L9.122	L9.122-100-S85	L9.122-125-S140	L9.122-150-S140	L9.122-200-S300		
L9.128	L9.128-100-S85	L9.128-125-S140	L9.128-150-S140	L9.128-200-S300		
L9.170	L9.170-100-S85	L9.170-125-S140	L9.170-150-S140	L9.170-200-S300		
L9.171	L9.171-100-S85	L9.171-125-S140	L9.171-150-S140	L9.171-200-S300		
L9.172	L9.172-100-S85	L9.172-125-S140	L9.172-150-S140	L9.172-200-S300		



RIDUTTORE MANUALE

ARTICOLO	RM0250	RM0750	RM1200
DN	25-150 2	00 2	50-400

ON DEMAND

DECLUTCHABLE GEAR BOXEX GD



Specifications

(SIZE RANGE) 180NM-3000NM

(BODY MATERIALS) DUCTILE IRON

7/1 - BUTTERFLY VALVES SEAL PTFE



DM 174

CAST IRON WAFER BUTTERFLY VALVE J9



L9.123 LUG- GHISA-INOX-PTFE LUG DUCTIL IRON -DISC INOX -SEAL PTFE

J9.123 WAFER- GHISA – INOX-PTFE WAFER DUCTIL IRON -DISC INOX-SEAL PTFE

J9.623 WAFER-INOX-PTFE WAFER BODY INOX- DISC INOX - PTFE

Temp -10 +120C

DAL DN 125 AL DN 300 COMPLETE DI RIDUTTORE RM
FROM DN 125 TO DN 300 WITH GEAR BOX

BUTTERFLY LUG

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
L9.123	L9.123-40	L9.123-50	L9.123-65	L9.123-80	L9.123-100	L9.123-125
SIZE	150	200	250	300		
PN	16	16	16	16		
L9.123	L9.123-150	L9.123-200	L9.123-250	L9.123-300		

BUTTERFLY WAFER

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
J9.123	J9.123-40	J9.123-50	J9.123-65	J9.123-80	J9.123-100	J9.123-125
J9.623	J9.623-40	J9.623-50	J9.623-65	J9.623-80	J9.623-100	
SIZE	150	200	250	300		
PN	16	16	16	16		
J9.123	J9.123-150	J9.123-200	J9.123-250	J9.123-300		



ART. L9.123

LUG GHISA-INOX-PTFE
J9.123 WAFER GHISA-INOX-PTFE
J9.623 WAFER INOX-INOX-PTFE

Valvola a farfalla con attuatore
AT Doppio Effetto

Butterfly with AT actuator D.E

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	AT52DX	AT63DX	AT63DX	AT75DX	AT83DX	AT92DX
J9.123	J9.123-40-AT52D	J9.123-50-AT63D	J9.123-65-AT63D	J9.123-80-AT75D	J9.123-100-AT83D	J9.123-125-AT92D
J9.623	J9.623-40-AT52D	J9.623-50-AT63D	J9.623-65-AT63D	J9.623-80-AT75D	J9.623-100-AT83D	
L9.123	L9.123-40-AT52D	L9.123-50-AT63D	L9.123-65-AT63D	L9.123-80-AT75D	L9.123-100-AT83D	L9.123-125-AT92D
SIZE	150	200	250			
PN	16	16-10	16-10			
ATT.	AT125DX	AT125DX	AT140DX			
J9.123	J9.123150-AT125D	J9.123200-AT125D	J9.123250-AT140D			
L9.123	L9.123150-AT125D	L9.123200-AT125D	L9.123250-AT140D			



ART. L9.123

LUG GHISA-INOX-PTFE
J9.123 WAFER GHISA-INOX-PTFE
J9.623 WAFER INOX-INOX-PTFE

Valvola a farfalla con attuatore
AT Semplice Effetto

Butterfly with AT actuator S.E

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	AT83SX	AT83SX	AT83SX	AT92SX	AT105X	AT125SX
J9.123	J9.123-40-AT83S	J9.123-50-AT83S	J9.123-65-AT83S	J9.123-80-AT92S	J9.123100-AT105S	J9.123125-AT125S
J9.623	J9.623-40-AT83S	J9.623-50-AT83S	J9.623-65-AT83S	J9.623-80-AT92S	J9.623100-AT105S	
L9.123	L9.123-40-AT83S	L9.123-50-AT83S	L9.123-65-AT83S	L9.123-80-AT92S	L9.123100-AT105S	L9.123125-AT125S
SIZE	150	200	250			
PN	16					
ATT.	AT160SX					
J9.123	J9.123150-AT160S					
L9.123	L9.123150-AT160S					



ART. L9.123

LUG GHISA-INOX-PTFE
J9.123 WAFER GHISA-INOX-PTFE
J9.623 WAFER INOX-INOX-PTFE

Valvola a farfalla con attuatore J4C Elettrico

Butterfly valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
 PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	S20	S35	S35	S55	S85	S140
J9.123	J9.123-40-S20	J9.123-50-S35	J9.123-65-S35	J9.123-80-S55	J9.123-100-S85	J9.123-125-S140
J9.623	J9.623-40-S20	J9.623-50-S35	J9.623-65-S35	J9.623-80-S55	J9.623-100-S85	
L9.123	L9.123-40-S20	L9.123-50-S35	L9.123-65-S35	L9.123-80-S55	L9.123-100-S85	L9.123-125-S140
SIZE	150	200				
PN	16	16-10				
ATT.	S140	S300				
J9.123	J9.123-150-S140	J9.123-200-S300				
L9.123	L9.123-150-S140	L9.123-200-S300				



CAST IRON WAFER BUTTERFLY VALVE J9.150

Specifications

(SIZE RANGE) DN40 TO DN150

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(BODY MATERIALS) DUCTILE IRON,
STAINLESS STEEL PN16

(DISC MATERIALS) STAINLESS STEEL + PTFE

(SEALING MATERIALS) PTFE (TEFLON)

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) -10 +150C

DAL DN 125 AL DN 300 COMPLETE DI RIDUTTORE RM FROM DN 125 TO DN 300 WITH GEAR BOX

A LEVA - WITH LEVEL

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
J9.150	J9.150-40	J9.150-50	J9.150-65	J9.150-80	J9.150-100	J9.150-125
SIZE	150					
PN	16					
J9.123	J9.150-150					

CON RIDUTTORE- WITH GEAR BOX

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
J9.150	J9.150-40RM	J9.150-50RM	J9.150-65RM	J9.150-80RM	J9.150-100RM	J9.150-125RM
SIZE	150					
PN	16					
J9.150	J9.150-150RM					



ART. J9.150

WAFER GHISA-INOX-PTFE
WAFER DUCTIL IRON-INOX-PTFE

Valvola a farfalla con attuatore AT Doppio Effetto

Butterfly with AT actuator D.E

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	AT52DX	AT63DX	AT63DX	AT75DX	AT83DX	AT92DX
J9.150	J9.150-40-AT52D	J9.150-50-AT63D	J9.150-65-AT63D	J9.150-80-AT75D	J9.150-100-AT83D	J9.150-125-AT92D
SIZE	150					
PN	16					
ATT.	AT125DX					
J9.123	J9.150150-AT125D					



ART. J9.150 WAFER GHISA-INOX

Valvola a farfalla con attuatore AT Semplice Effetto

Butterfly with AT actuator S.E

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	AT83SX	AT83SX	AT83SX	AT92SX	AT105X	AT125SX
J9.150	J9.150-40-AT83S	J9.150-50-AT83S	J9.150-65-AT83S	J9.150-80-AT92S	J9.150100-AT105S	J9.150125-AT125S
SIZE	150	200	250			
PN	16					
ATT.	AT160SX					
J9.150	J9.150150-AT160S					



ART. J9.150 WAFER GHISA-INOX-PTFE

Valvola a farfalla Wafer con attuatore J4C Elettrico

Wafer Butterfly valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
ATT.	S20	S35	S35	S55	S85	S140
J9.150	J9.150-40-S20	J9.150-50-S35	J9.150-65-S35	J9.150-80-S55	J9.150-100-S85	J9.150-125-S140
SIZE	150	200				
PN	16	16-10				
ATT.	S140	S300				
J9.150	J9.150-150-S140	J9.150-200-S300				

8 - KNIFE GATE VALVES DUCTIL IRON

BIDIRECTIONAL KNIFE GATE VALVE L13



Specifications

(SIZE RANGE) DN50 TO DN1200
 (BODY MATERIALS) DUCTIL IRON GG25 PN 10
 (GATE MATERIALS) INOX316
 (SEALING MATERIALS) NBR
 (TEMPERATURE) -30 +90C
 (ACTING MODE) PNEUMATIC DOUBLE ACTING,
 (OPERATING PRESSURE) 1.0 TO 1.6MPA
 (SEALING MATERIALS) EPDM L13EP

(OPTIONS)
 PNEUMATIC ACTUATOR AP
 LIMIT SWITCH

SIZE	50	65	80	100	125	150
PN	10	10	10	10	10	10
L13	L13-50	L13-65	L13-80	L13-100	L13-125	L13-150
L13EP	L13EP-50	L13EP-65	L13EP-80	L13EP-100	L13EP-125	L13EP-150
L13-AP	L13-50-AP	L13-65-AP	L13-80-AP	L13-100-AP	L13-125-AP	L13-150-AP
L13EP-AP	L13EP-50-AP	L13EP-65-AP	L13EP-80-AP	L13EP-100-AP	L13EP-125-AP	L13EP-150-AP
SIZE	200	250	300	350	400	450
PN	10	10	6	6	6	5
L13	L13-200	L13-250	L13-300	L13-350	L13-400	L13-450
L13EP	L13EP-200	L13EP-250	L13EP-300	L13EP-350	L13EP-400	L13EP-450
L13-AP	L13-200-AP	L13-250-AP	L13-300-AP	L13-350-AP	L13-400-AP	L13-450-AP
L13EP-AP	L13EP-200-AP	L13EP-250-AP	L13EP-300-AP	L13EP-350-AP	L13EP-400-AP	L13EP-450-AP

UNIDIRECIONAL KNIFE GATE VALVE L20



Specifications

(SIZE RANGE) DN50 TO DN600

(BODY MATERIALS) DUCTIL IRON GG25 PN 10

(BODY MATERIALS) INOX316 LX20

(GATE MATERIALS) AISI304

(GATE MATERIALS) INOX316 LX20I

(GATE MATERIALS) AISI316L LX20L

(SEALING MATERIALS) NBR

(SEALING MATERIALS) EPDM EP

(SEALING MATERIALS) VITON V

(TEMPERATURE) -30 +90C

(ACTING MODE) PNEUMATIC DOUBLE ACTING

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(OPTIONS)

(SEALING MATERIALS) SILICONE PTFE METAL/METAL

PNEUMATIC ACTUATOR AP

LIMIT SWITCH

(GATE MATERIALS) INOX316 AISI 316L

SIZE	50	65	80	100	125	150
PN	10	10	10	10	10	10
L20	L20-50	L20-65	L20-80	L20-100	L20-125	L20-150
L20EP	L20EP-50	L20EP-65	L20EP-80	L20EP-100	L20EP-125	L20EP-150
L20-AP	L20-50-AP	L20-65-AP	L20-80-AP	L20-100-AP	L20-125-AP	L20-150-AP
L20EP-AP	L20EP-50-AP	L20EP-65-AP	L20EP-80-AP	L20EP-100-AP	L20EP-125-AP	L20EP-150-AP
SIZE	200	250	300	350	400	450
PN	10	10	6	6	6	5
L20	L20-200	L20-250	L20-300	L20-350	L20-400	L20-450
L20EP	L20EP-200	L20EP-250	L20EP-300	L20EP-350	L20EP-400	L20EP-450
L20AP	L20-200-AP	L20-250-AP	L20-300-AP	L20-350-AP	L20-400-AP	L20-450-AP
L20EP-AP	L20EP-200-AP	L20EP-250-AP	L20EP-300-AP	L20EP-350-AP	L20EP-400-AP	L20EP-450-AP

FOR OTHER SOLUTION PLEASE CALL



UNIDIRECTIONAL KNIFE GATE VALVE SERIE 19E.101

Specifications

(SIZE RANGE) DN50 TO DN600,

(BODY MATERIALS) DUCTIL IRON PN 10/16

DN 200 >PN10

(GATE MATERIALS) INOX316

(SEALING MATERIALS) NBR

(TEMPERATURE) -30 +80C

(ACTING MODE) PNEUMATIC DOUBLE ACTING,

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(OPTIONS)

PNEUMATIC ACTUATOR AP

SIZE	50	65	80	100	125	150
PN	10	10	10	10	10	10
19E.101	19E.101-50	19E.101-65	19E.101-80	19E.101-100	19E.101-125	19E.101-150
19E.101-AP	19E.101-50-AP	19E.101-65-AP	19E.101-80-AP	19E.101-100-AP	19E.101-125-AP	19E.101-150-AP
SIZE	200	250	300	350	400	450
PN	10	10	6	6	6	5
19E.101	19E.101-200	19E.101-250	19E.101-300	19E.101-350	19E.101-400	19E.101-450
19E.101AP	19E.101-200-AP	19E.101-250-AP	19E.101-300-AP	19E.101-350-AP	19E.101-400-AP	19E.101-450-AP



UNIDIRECTIONAL KNIFE GATE VALVE SERIE 19E.109

Specifications

(SIZE RANGE) DN50 TO DN600,

(BODY MATERIALS) DUCTIL IRON PN 16

(GATE MATERIALS) INOX316

(SEALING MATERIALS) EPDM

(TEMPERATURE) -30 +90C

(ACTING MOD) EPNEUMATIC DOUBLE ACTING,

(OPERATING PRESSURE) 1.0 TO 1.6MPA

(OPTIONS)

PNEUMATIC ACTUATOR AP

SIZE	50	65	80	100	125	150
PN	10	10	10	10	10	10
19E.109	19E.109-50	19E.109-65	19E.109-80	19E.109-100	19E.109-125	19E.109-150
19E.109-AP	19E.109-50-AP	19E.109-65-AP	19E.109-80-AP	19E.109-100-AP	19E.109-125-AP	19E.109-150-AP
SIZE	200	250	300	350	400	450
PN	10	10	6	6	6	5
19E.109	19E.109-200	19E.109-250	19E.109-300	19E.109-350	19E.109-400	19E.109-450
19E.109AP	19E.109-200-AP	19E.109-250-AP	19E.109-300-AP	19E.109-350-AP	19E.109-400-AP	19E.109-450-AP

9 - PVC-U VALVES



PLASTIC 2 WAY BALL VALVE-CP120I

Specifications

(SIZE RANGE) DN20 TO DN63

(OPERATING PRESSURE) 1.0MPA

(BODY MATERIALS) PVC-U GAS OR PLAIN ENDS

(DISC MATERIALS) PVC-U

(SEALING MATERIALS) EPDM – FPM

(ACTING MODE) PNEUMATIC DOUBLE ACTING,

SINGLE ACTING AND

ELECTRIC ACTUATOR

(TEMPERATURE) 0 +60C

(OPTIONS) PVC – C PVDF SOCKET WELDING

ART. CP120I Valvola a sfera INCOLLAGGIO – BONDING Ball valves

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
KIT MONT.	MM00200	MM00202	MM00203	MM00205	MM00206	MM00207
CODICE	CP120I-20	CP120I-25	CP120I-32	CP120I-40	CP120I-50	CP120I-63



ART. CP120I

Valvola a sfera con attuatore UT Doppio Effetto

Ball valves with UT actuator D.E

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTUATORE	UT10	UT10	UT13	UT13	UT18	UT18
CODICE	CP120I-20-UT10	CP120I-25-UT10	CP120I-32-UT13	CP120I-40-UT13	CP120I-50-UT18	CP120I-63-UT18



ART. CP120I

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT32DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
COD.	CP120I-20-AT32DX	CP120I-25-AT40DX	CP120I-32-AT40DX	CP120I-40-AT52DX	CP120I-50-AT63DX	CP120I-63-AT63DX



ART. CP120I

Valvola a sfera con attuatore UT a Semplice Effetto

Ball valves with UT actuator S.E

SIZE	20	25	32	40	50
DN	15	20	25	32	40
PN	16	16	16	16	16
ATTUATORE	UT13S4	UT13S4	UT18S4	UT18S4	UT18S4
CODICE	CP120I-20-UT13S4	CP120I-25-UT13S4	CP120I-32-UT18S4	CP120I-40-UT18S4	CP120I-50-UT18S4



ART. CP120I

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
COD.	CP120I-20-AT63SX	CP120I-25-AT63SX	CP120I-32-T63SX	CP120I-40-AT75SX	CP120I-50-AT75SX	CP120I-63-83SX



ART.CP120I

Valvola a sfera con attuatore Elettrico J4C
Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
 PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S35	S35	S35
COD.	CP120I-20-S20	CP120I-25-S20	CP120I-32-S20	CP120I-40-S35	CP120I-50-S35	CP120I-63-S35



PLASTIC 2 WAY BALL VALVE - CP120F

Specifications



- (SIZE RANGE) DN15 TO DN50, 1/2" TO 2" GAS
- (OPERATING PRESSURE) 1.0MPA
- (BODY MATERIALS) PVC-U GAS OR PLAIN ENDS
- (DISC MATERIALS) PVC-U
- (SEALING MATERIALS) EPDM – FPM
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR
- (TEMPERATURE) 0 +60C
- (OPTIONS) PVC – C PVDF SOCKET WELDING

ART. CP120F

Valvola a sfera FILETTATA – Ball valves THREADED

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
KIT MONT.	MM00200	MM00202	MM00203	MM00205	MM00206	MM00207
CODICE	CP120F-15	CP120F-20	CP120F-25	CP120F-32	CP120F-40	CP120F-50



ART. CP120F

**Valvola a sfera con attuatore UT
Doppio Effetto**

Ball valves with UT actuator D.E

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTUATORE	UT10	UT10	UT13	UT13	UT18	UT18
CODICE	CP120F-15-UT10	CP120F-20-UT10	CP120F-25-UT13	CP120F-32-UT13	CP120F-40-UT18	CP120F-50-UT18



ART. CP120F

**Valvola a sfera con attuatore AT
Doppio Effetto**

Ball valves with AT actuator D.E

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT32DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
COD.	CP120F-20-AT32DX	CP120F-25-AT40DX	CP120F-32-AT40DX	CP120F-40-AT52DX	CP120F-50-AT63DX	CP120F-63-AT63DX



ART. CP120F

**Valvola a sfera con attuatore UT
Semplice Effetto**

Ball valves with UT actuator S.E

SIZE	1/2	3/4	1	1 1/4	1 1/2
DN	15	20	25	32	40
PN	16	16	16	16	16
ATTUATORE	UT13S4	UT13S4	UT13S4	UT18S4	UT18S4
CODICE	CP120F-15-UT13S4	CP120F-20-UT13S4	CP120F-25-UT13S4	CP120F-32-UT18S4	CP120F-40-UT18S4



ART. CP120F Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
COD.	CP120F-15-AT63SX	CP120F-20-AT63SX	CP120F-25-AT63SX	CP120F-32-AT75SX	CP120F-40-AT75SX	CP120F-50-AT83SX



ART. CP120F Valvola a sfera con attuatore J4C Elettrico

Ball valves with J4CElectric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S20	S35	S35
COD.	CP120F-20-S20	CP120F-25-S20	CP120F-32-S20	CP120F-40-S20	CP120F-50-S35	CP120F-63-S35



PLASTIC 3 WAY BALL VALVE CP131LI - CP131TI

Specifications

(SIZE RANGE) DN20 TO DN63

(OPERATING PRESSURE) 1.0MPA

(BODY MATERIALS) PVC-U GAS OR PLAIN ENDS

(DISC MATERIALS) PVC-U

(SEALING MATERIALS) EPDM - FPM

(STRUCTURE) 3 WAY T PORT, L PORT ARE AVAILABLE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) 0 +60C

(OPTIONS) PVC - C - PVDF SOCKET WELDING

Port Type	1	2	3	4
L				
T				

CP131LI

CP131TI

ART. CP131I

Valvola a sfera INCOLLAGGIO – BONDING Ball valves

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
KIT MONT.	MM00200	MM00202	MM00203	MM00205	MM00206	MM00207
131L	CP131LI-20	CP131LI-25	CP131LI-32	CP131LI-40	CP131LI-50	CP131LI-63
131T	CP131TI-20	CP131TI-25	CP131TI-32	CP131TI-40	CP131TI-50	CP131TI-63



ART. CP131I

Valvola a sfera con attuatore UT Doppio Effetto

Ball valves with UT actuator D.E

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTUATORE	UT10	UT10	UT13	UT13	UT13	UT13
131L	CP131LI-20-UT10	CP131LI-25-UT10	CP131LI-32-UT13	CP131LI-40-UT13	CP131LI-50-UT13	CP131LI-63-UT13
131T	CP131TI-20-UT10	CP131TI-25-UT10	CP131TI-32-UT13	CP131TI-40-UT13	CP131TI-50-UT13	CP131TI-63-UT13



ART. CP131I

Valvola a sfera con attuatore AT Doppio Effetto

Ball valves with AT actuator D.E

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT32DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
131L	CP131LI20-AT32D	CP131LI25-AT40D	CP131LI32-AT40D	CP131LI40-AT52D	CP131LI50-AT63D	CP131LI63-AT63D
131T	CP131TI20-AT32D	CP131TI25-AT40D	CP131TI32-AT40D	CP131TI40-AT52D	CP131TI50-AT63D	CP131TI63-AT63D



ART.CP131I

Valvola a sfera con attuatore UT Semplice Effetto

Ball valves with UT actuator S.E

SIZE	20	25	32	40	50
DN	15	20	25	32	40
PN	16	16	16	16	16
ATTUATORE	UT13S4	UT13S4	UT18S4	UT18S4	UT18S4
131L	CP131LI20-UT13S4	CP131LI25-UT13S4	CP131LI32-UT13S4	CP131LI40-UT18S4	CP131LI50-UT18S4
131T	CP131TI20-UT13S4	CP131TI25-UT13S4	CP131TI32-UT13S4	CP131TI40-UT18S4	CP131TI50-UT18S4



ART. CP131I

Valvola a sfera con attuatore AT Semplice Effetto

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
131L	CP131LI20-AT63SX	CP131LI25-AT63SX	CP131LI32-AT63SX	CP131LI40-T75SX	CP131LI50-T75SX	CP131LI63-T83SX
131T	CP131TI20-AT63SX	CP131TI25-AT63SX	CP131TI32-AT63SX	CP131TI40-T75SX	CP131TI50-T75SX	CP131TI63-T83SX



ART.CP131I

Valvola a sfera con attuttore
J4C Elettrico
Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	20	25	32	40	50	63
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S35	S35	S55
131L	CP131LI-20-S20	CP131LI-25-S20	CP131LI-32-S20	CP131LI-40-S35	CP131LI-50-S35	CP131LI-63-S55
131T	CP131TI-20-S20	CP131TI-25-S20	CP131TI-32-S20	CP131TI-40-S35	CP131TI-50-S35	CP131TI-63-S55



Port Type	1	2	3	4
L				
T				

PLASTIC 3 WAY BALL VALVE CP131LF - CP131TF

Specifications

(SIZE RANGE) DN15 TO DN50, 1/2" TO 2"

(OPERATING PRESSURE) 1.0MPA

(BODY MATERIALS) PVC-U GAS OR PLAIN ENDS

(DISC MATERIALS) PVC-U

(SEALING MATERIALS) EPDM - FPM

(STRUCTURE) 3 WAY T PORT, L PORT ARE AVAILABLE

(ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR

(TEMPERATURE) 0 +60C

(OPTIONS) PVC - C - PVDF SOCKET WELDING

ART. CP131F

Valvola a sfera FILETTATA

Ball valves THREADED

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
KIT MONT.	MM00200	MM00202	MM00203	MM00205	MM00206	MM00207
131L	CP131LF-15	CP131LF-20	CP131LF-25	CP131LF-32	CP131LF-40	CP131LF-50
131T	CP131TF-15	CP131TF-20	CP131TF-25	CP131TF-32	CP131TF-40	CP131TF-50



ART. CP131F

**Valvola a sfera con attuatore UT
Doppio Effetto**

Ball valves with UT actuator D.E

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATTUATORE	UT10	UT10	UT13	UT13	UT18	UT18
131L	CP131LF-15-UT10	CP131LF-20-UT10	CP131LF-25-UT10	CP131LF-32-UT13	CP131LF-40-UT18	CP131LF-50-UT18
131T	CP131TF-15-UT10	CP131TF-20-UT10	CP131TF-25-UT10	CP131TF-32-UT13	CP131TF-40-UT18	CP131TF-50-UT18



ART. CP131F

**Valvola a sfera con attuatore AT
Semplice Effetto**

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT32DX	AT40DX	AT40DX	AT52DX	AT63DX	AT63DX
131L	CP131LF-15-AT32D	CP131LF-20-AT40D	CP131LF-25-AT40D	CP131LF-32-AT52D	CP131LF-40-AT63D	CP131LF-50-AT63D
131T	CP131TF-15-AT32D	CP131TF-20-AT40D	CP131TF-25-AT40D	CP131TF-32-AT52D	CP131TF-40-AT63D	CP131TF-50-AT63D



ART. CP131F

**Valvola a sfera con attuatore
AT Semplice Effetto**

Ball valves with AT actuator S.E

SIZE	1/2	3/4	1	1 1/4	1 1/2
DN	15	20	25	32	40
PN	16	16	16	16	16
ATTUATORE	UT13S4	UT13S4	UT18S4	UT18S4	UT18S4
131L	CP131LF15-UT13S4	CP131LF20-UT13S4	CP131LF25-UT18S4	CP131LF32-UT18S4	CP131LF40-UT13S4
131T	CP131TF15-UT13S4	CP131TF20-UT13S4	CP131TF25-UT18S4	CP131TF32-UT18S4	CP131TF40-UT13S4



ART. CP131F

**Valvola a sfera con attuatore
AT Semplice Effetto**

Ball valves with AT actuator S.E

10 Spring Single Acting

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT63SX	AT75SX	AT75SX	AT83SX
131L	CP131LF15-AT63SX	CP131LF20-AT63SX	CP131LF25-AT63SX	CP131LF32-AT75SX	CP131LF40-AT75SX	CP131LF50-AT83SX
131T	CP131TF15-AT63SX	CP131TF20-AT63SX	CP131TF25-AT63SX	CP131TF32-AT75SX	CP131TF40-AT75SX	CP131TF50-AT83SX



ART. CP131F

**Valvola a sfera con attuatore
J4C Elettrico**

Ball valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDA DEL MOTORE**

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
DN	15	20	25	32	40	50
PN	16	16	16	16	16	16
ATT.	S20	S20	S20	S35	S35	S55
131L	CP131LF15-S20	CP131LF20-S20	CP131LF25-S20	CP131LF32-S35	CP131LF40-S35	CP131LF50-S55
131T	CP131TF15-S20	CP131TF20-S20	CP131TF25-S20	CP131TF32-S35	CP131TF40-S35	CP131TF50-S55



PLASTIC PNEUMATIC BUTTERFLY VALVE FT

Specifications

- (SIZE RANGE) DN40 TO DN200,
- (OPERATING PRESSURE) 1.0MPA
- (BODY MATERIALS) PVC-U WAFER TYPE
- (DISC MATERIALS) PVC-U
- (SEALING MATERIALS) EPDM – FPM
- (ACTING MODE) PNEUMATIC DOUBLE ACTING,
SINGLE ACTING AND
ELECTRIC ACTUATOR
- (TEMPERATURE) 0 +60C
- (OPTIONS) PVDF

SIZE	40/50	50/65	65/75	80-90	100/110	125/140
PN	10	10	10	10	10	10
COD.	FT40	FT50	FT65	FT80	FT100	FT125
SIZE	150/160	200/225				
PN	10	10				
COD.	FT150	FT200				



ART.FT Valvola a farfalla con attuatore UT Doppio Effetto
Butterfly with UT actuator D.E

SIZE	40/50	50/65	65/75	80-90	100/110
PN	10	10	10	10	16
ATT.	UT13	UT13	UT13	UT18	UT18
COD.	FT40-UT13	FT50-UT13	FT65-UT13	FT80-UT18	FT100-UT18



ART. FT Valvola a farfalla con attuatore
UT Semplice Effetto
Butterfly valves with UT actuator S.E

SIZE	40/50	50/65	65/75	80-90
PN	10	10	10	10
ATT.	UT13S4	UT18S4	UT18S4	UT18S4
COD.	FT40-UT13S4	FT50-UT18S4	FT65-UT18S4	FT80-UT18S4



ART.FT Valvola a farfalle con attuatore AT Doppio Effetto
Butterfly with AT actuator D.E

SIZE	40/50	50/65	65/75	80-90	100/110	125/140
PN	16	16	16	16	16	10
ATT.	AT40DX	AT52DX	AT63DX	AT63DX	AT75DX	AT83DX
COD.	FT40-AT40DX	FT50-AT52DX	FT65-AT63DX	FT80-AT63DX	FT100-AT75DX	FT 125- AT83DX
SIZE	150/160	200/225				
PN	16	16				
ATT.	AT92DX	AT105DX				
COD.	FT150-AT92DX	FT200-AT105DX				



ART.FT Valvola a Farfalla con attuatore
AT Semplice Effetto
Butterfly with AT actuator S.E
10 Spring Single Acting

SIZE	40/50	50/65	65/75	80-90	100/110	125/140
PN	16	16	16	16	16	16
ATT.	AT63SX	AT63SX	AT75SX	AT83SX	AT92SX	AT105SX
COD.	FT40-AT63S	FT50-AT63S	FT65-AT75S	FT80	FT100-AT92S	FT125-AT105S
SIZE	150/160	200/225				
PN	16	16				
ATT.	AT125SX	AT140SX				
COD.	FT150-AT125S	FT200-AT140S				



ART. FT Valvola a farfalla con attuatore J4C Elettrico
Butterfly valves with J4C Electric actuator

**FOR THE OPTIONS SEE THE ACTUATOR DATA SHEET
PER LE OPZIONI CONSULTARE LA SCHEDE DEL MOTORE**

SIZE	40/50	50/65	65/75	80-90	100/110	125/140
PN	16	16	16	16	16	16
ATT.	S20	S20	S35	S35	S55	S85
COD.	FT40-S20	FT50-S20	FT65-S35	FT80-S35	FT100-S55	FT125-S85
SIZE	150/160	200/225				
PN	16	16				
ATT.	S140	S300				
COD.	FT150-S140	FT200-S300				

10 - BOX- LIMIT SWITCH - POSITIONER NAMUR SOLENOID VALVES - PNEUMATIC VALVES



LIMIT SWITCH BOX APL - 210N120I

Specifications

(MODEL) APL-210N 2 MECHANICAL SWITCHES
IP66/IP67 DIN EN60529

(BODY MATERIALS) ALUMINIUM



LIMIT SWITCH BOX BE45 - BS45 - BX45 - BE48

Specifications

(MODEL) BE45-220M03 2 SILVER PLATED SPDT 250 VAC-30VDC
BS45-220MA3 2 INDUCTIVE PROXIMITY NC 2 WIRES

ATEX II 3D

BE45-220M03X 2 SILVER PLATED SPDT 250 VAC-30VDC

ATEX EEXIA IIB/IIC T6

BX45-220MS3 2 SILVER PLATED SPDT 250 VAC-30VDC

BX45-220MA3 2 INDUCTIVE PROXIMITY NC 2 WIRES

ATEX EEXD IIC T6

BE48-220M03 2 SILVER PLATED SPDT 250 VAC-30VDC

BS48-220MA3 2 INDUCTIVE PROXIMITY NC 2 WIRES

BS48-220MB3 2 INDUCTIVE PROXIMITY NO PNP 3 WIRES

(BODY MATERIALS) ALUMINIUM

(OPTIONS) MORE PROXIMITY

IP2M01-KIT BLU EXTENSION AP

PROLUNGHE MONTAGGIO AP





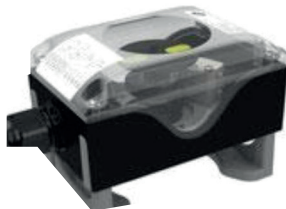
LIMIT SWITCH BOX IP2M01 - IP2I01

Specifications

(MODEL) IP2M01	2 MECHANICAL SWITCHES IP66/IP67 DIN EN60529
IP2I01	2 INDUCTIVE PROXIMITY SWITCHES IP66/IP67 DIN EN60529

(BODY MATERIALS) PA66

(OPTION) MORE CONNECTIONS



LIMIT SWITCH BOX EPP2M01

Specifications

(MODEL) EP2M01	2 MECHANICAL SWITCHES IP66/IP67 DIN EN60529
(MODEL) EP2I01	2 INDUCTIVE PROXIMITY SWITCHES IP66/IP67 DIN EN60529

(MODEL) EP2R01-614 2 MAGNETIC REED SENSORS
IP66/IP67 DIN EN60529

(BODY MATERIALS) PA66 (AVAILABLE ALUMINIUM)

(CONNECTIONS) : 2X M20X1,5

(OPTIONS) VISUAL INDICATORS-MORE
CONNECTIONS- BRACKET AISI 304



LIMIT SWITCH BOX IV2M01 - G - IA

Specifications

(MODEL) IV2M01-G-IA 2 MECHANICAL SWITCHES
IP66/IP67 DIN EN60529

(BODY MATERIALS) VESTAMID / POLYCARBONATE
COVER

(ATEX) II GD EX IA - ZONE 1 - 21

(OPTIONS) MORE CONNECTIONS



LIMIT SWITCH BOX IV2I01 - IA

Specifications

- (MODEL) IV2I01 2 INDUCTIVE PROXIMITY SWITCHES
IP66/IP67 DIN EN60529
- (BODY MATERIALS) VESTAMID / POLYCARBONATE
COVER
- (ATEX) II GD EX IA - ZONE 1 - 21
- (OPTIONS) MORE CONNECTIONS



LIMIT SWITCH BOX EVE2I01 - IA - 3D

Specifications

- (MODEL) EVE2I01-IA-3D 2 INDUCTIVE PROXIMITY
SWITCHES
IP66/IP67 DIN EN60529
- (BODY MATERIALS) PA66 (AVAILABLE ALUMINIUM)
- (CONNECTIONS): 2X M20X1,5
- (BRACKET MATERIALS) AISI 304
- (ATEX) II GD EX IA - ZONE 1 - 21
- (OPTIONS) MORE CONNECTIONS



LIMIT SWITCH BOX EVE2M01 - 551 - ED - 3D

Specifications

- (MODEL) EVE2M01-551-ED-3D 2 MECHANICAL
SWITCHES
IP66/IP67 DIN EN60529
- (BODY MATERIALS) VESTAMID / POLYCARBONATE
(AVAILABLE ALUMINIUM)
- (CONNECTIONS) : 2X M20X1,5
- (BRACKET MATERIALS) AISI 304
- (ATEX) II GD EX E / EX T - ZONE 1 - 21
- (OPTIONS) MORE CONNECTIONS



LIMIT SWITCH BOX DA2M01 - D

Specifications

(MODEL) DA2M01-D 2 MECHANICAL SWITCHES
IP66/IP67 DIN EN60529

(BODY MATERIALS) ALUMINIUM COPPER FREE

(CONNECTIONS): 3X M20X1,5

(BRACKET MATERIALS) AISI 304

(ATEX) II GD EX D EX T- ZONE 1 - 21



LIMIT SWITCH BOX NEK2M01 - 551 - ED

Specifications

(MODEL) NEK2M01-551-ED 2 MECHANICAL SWITCHES

IP65/IP66 DIN EN60529

(BODY MATERIALS) AISI 316 TI

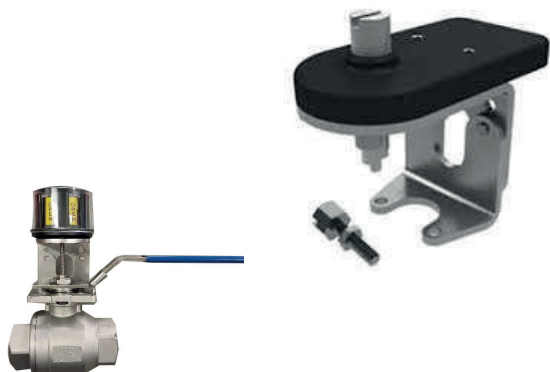
(CONNECTIONS) 2X M20X1,5

(BRACKET MATERIALS) AISI 316 TI

(ATEX) II GD EX E / EX T - ZONE 1 - 21

(OPTIONS) MORE CONNECTIONS

KIT SWITCH BOX MSH



MSH0503-M5

KIT F03-M5

MSH0505-M5

KIT F05-M5

MSH0507-M5

KIT F07-M5

MSH0510-M5

KIT F10-M5



KIT INDUCTIVE SWITCH

ACTUATOR	AT40	KIT-40-MICRO
	AT52	KIT-52-MICRO
	AT63	KIT-63-MICRO



5/2 WAY SOLENOID NAMUR 4M310 - 08 4M320 - 08



Specifications

(MODEL)	4M310-08 MONOSTABLE 4M320-08 BISTABLE
(OPERATING PRESSURE)	2 TO 10 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	3/2-5/2
(BODY MATERIALS)	ALLUMINIUM
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:12V-24V-48V AC: 24V-48V- 115V-230V IP65



5/2 WAY SOLENOID NAMUR 4M310 - 08X - 4M320 - 08X



INOX

Specifications

(MODEL)	4M310-08X MONOSTABLE 4M320-08X BISTABLE
(OPERATING PRESSURE)	2 TO 10 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	3/2-5/2
(BODY MATERIALS)	INOX 316,
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:12V-24V-48V AC: 24V-48V- 115V-230V IP65



5/2 WAY SOLENOID NAMUR MULTIFUNCTION

Specifications

(MODEL)	01.202.3 MONOSTABLE 01.204.3 BISTABLE
(PRESSURE)	2 TO 10 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	5/2 2/2NC/NA 3/2NC/NA
(BODY MATERIALS)	ALLUMINIUM
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:12V-24V-48V AC: 24V-48V- 115V-230V
	IP65

WITH MAGNETIC SENSOR



5/2 WAY SOLENOID VALVE NAMUR 582MEX - 582EEX

Specifications

(MODEL)	582MEX MONOSTABLE 582 EEX BISTABLE
(OPERATING PRESSURE)	2 TO 8 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	3/2-5/2
(BODY MATERIALS)	ALLUMINIUM
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:24V
	(ATEX) II 2G Ex h IIC T6 Gb

II3G EX NA IIC TX GC/ II 3D EX TC IIIC TX°C DC



Model	Tension	Power
AZ00.470.0X	24 VDC	3W
AZ00.476.0X	24 VAC	8,5 Va
AZ00.477.0X	110 VAC	8,5 Va

II2G EX IA IIC T6 GA/ II 2D EX TB IIIC T80°C DB IP65

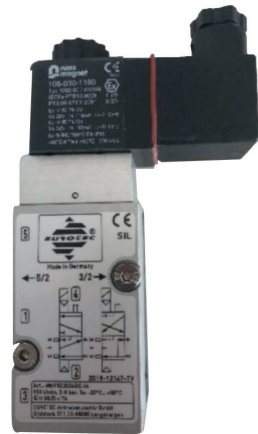


Model	Tension	Power
AZ00.525.0	24 VDC	1,6W

II2G EX MB IIC T5 GB/ II 2D EX TB IIIC T95°C DB IP65



Model	Tension	Cable length
AZ00.284.0x	24 VDC	3 mt
AZ00.305.0X	24VDC	5 mt
AZ00.332.0X	24 VAC	3 mt
AZ00.393.0X	24 VAC	5 mt
AZ00.333.0X	110 VAC	3 mt
AZ00.336.0X	110 VAC	5 mt
AZ00.392.0X	220 VAC	3 mt
AZ00.370.0X	220 VAC	5 mt

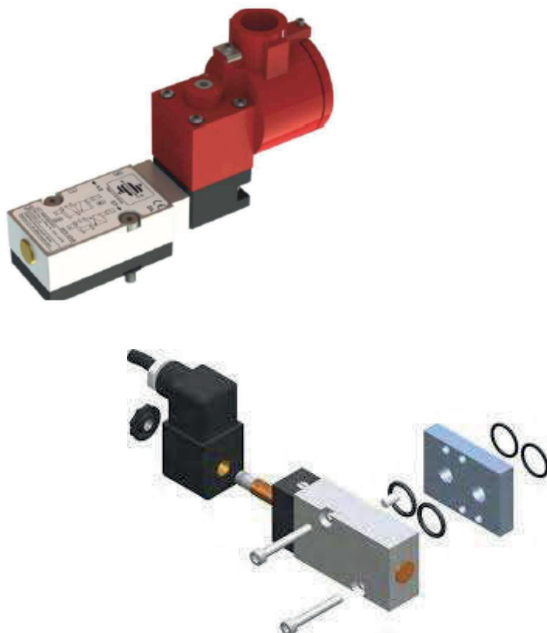


5/2 WAY SOLENOID VALVE NAMUR MNF532 - IA

Specifications

(MODEL)	MNF532-IA
(OPERATING PRESSURE)	2 TO 8 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	3/2-5/2
(BODY MATERIALS)	ALLUMINIUM
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:24V
(ATEX)	II GD EX IA – ZONE 1 – 21 / ZONE: 21-22 IP65

**OPTIONS : BODY AISI 316L
MNF532-DM II GD EX DB, TB - ZONE
1 - 21 / ZONE: 21-22**



5/2 WAY SOLENOID VALVE NAMUR MNF532 - D

Specifications

(MODEL)	MNF532-D
(OPERATING PRESSURE)	2 TO 10 BAR
(AIR FLOW)	950L /MIN
(AIR SUPPLY PORT)	G 1/4"
(NUMBER OF WAYS)	3/2-5/2
(BODY MATERIALS)	ALLUMINIUM
(SEALING MATERIALS)	NBR
(TEMPERATURE)	-20 +50C
(VOLTAGE)	DC:24V AC: 110V-230V
(ATEX)	II GD EX D, TD – ZONE 1 – 21 IP65



PLASTIC ADAPTER PLATE FROM 5/2 - 3/2

Specifications

(MODEL) B6001H

(OPERATING PRESSURE) 0.5 TO 10 BAR

(AIR FLOW) 650L /MIN

(NUMBER OF WAYS) 3/2-5/2-5/3



PLASTIC SPACER PLAIT COIL 30 MM

Specifications

(MODEL) D000NH

(OPERATING PRESSURE) 0.5 TO 10 BAR

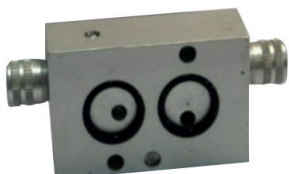


ALLUMINIUM SPACER PLAIT COIL 30 MM

Specifications

(MODEL) 01.055.2

(OPERATING PRESSURE) 0.5 TO 10 BAR



SPEED REGULATOR PLATES 01.107.3

Specifications

(MODEL) 01.107.3 5/2 WHIT EXTERNAL HANDLES DE
(OPERATING PRESSURE) 0.5 TO 10 BAR

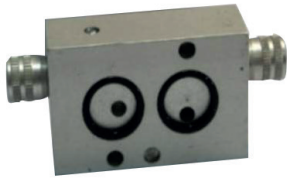
(AIR FLOW) 650L /MIN

(NUMBER OF WAYS) 5/2-5/3

(BODY MATERIALS) ALLUMINIUM

(TEMPERATURE) -10 +50C

SPEED REGULATOR PLATES SC3 - M



Specifications

(MODEL) SC3-M 3/2 WHIT EXTERNAL HANDLES SE

(OPERATING PRESSURE) 0.5 TO 10 BAR

(AIR FLOW) 650L /MIN

(NUMBER OF WAYS) 3/2

(BODY MATERIALS) ALLUMINIUM

(TEMPERATURE) -10 +50C

BREATHER BLOCK 1/4 ALLUMINIUM



Specifications

(MODEL) SC6M01

(OPERATING PRESSURE) 0.5 TO 10 BAR

(BODY MATERIALS) ALLUMINIUM

BREATHER BLOCK 1/4 ALLUMINIUM



Specifications

(MODEL) SC6M01

(OPERATING PRESSURE) 0.5 TO 10 BAR

(BODY MATERIALS) ALLUMINIUM



ROTARY VALVE POSITIONER PEP - PET

Specifications

(MODEL) PEP - PET

(PEP) 3-15 PSI PNEUMATIC POSITIONER

(PET60-RN4NS000) ELETTO-PNEUMATIC 4-20MA

(PET60-RE4NS0001) ELETTO-PNEUMATIC 4-20MA EXD
MB IIB T5 ATEX II 2 G

(PET600-RN4NS0M00) 4-20MA ELECTRO PNEU. WITH 2
INTERNAL SWITCHES SPDT

(PET60-RN4NS1000) 4-20MA ELECTRO PNEU. WITH 2
INTERNAL SWITCHES SPDT AND POSITION TRANSMIT-
TER 4-20MA

ELECTRIC VALVES



SOLENOID VALVE AZ11.095.3 NC 3/2

Specifications

(MODEL) 11.095.3

(STRUCTURE) DIRECT ACTING

(SIZE RANGE) 1/8" T

(OPERATING PRESSURE) 0 TO 7 BAR

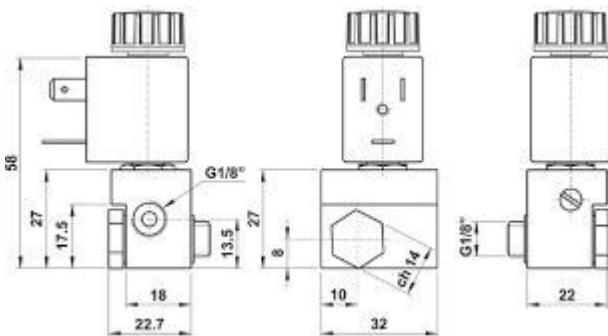
(TEMPERATURE) -10 +80C FKM

(VALVE OPERATION TYPE) NORMALLY CLOSED (NC)

(NUMBER OF WAYS) 3/2 VALVE,

(BODY MATERIALS) BRASS,

(SEALING MATERIALS) NBR



CODICE	VOLTAGE	ATTACCO	CONNECTOR
AZ00.028.0	24 VDC 6 WATT	22 MM	22C
AZ00.029.0	24 VAC 8 VA	22 MM	22C
AZ00.030.0	110 VAC 10 VA	22 MM	22C
AZ00.031.0	220 VAC 8 VA	22 MM	22C



3/2 - 5/2 SOLENOID VALVE

Specifications

(MODEL)	CS3V210-06 3/2 NC	1/8 MONOSTABLE
	CS4V210-06 5/2	1/8 MONOSTABLE
	CS4V220-06 5/2	1/8 BISTABLE
	CS4V310-08 5/2	1/4 MONOSTABLE
	CS4V320-08 5/2	1/4 BISTABLE
	CS4V410-15 5/2	1/2 MONOSTABLE
	CS4V420-15 5/2	1/2 BISTABLE

(OPERATING PRESSURE) 2 TO 10 BAR

(AIR FLOW) 1/8 500 L/MIN - 1/4 950 L/MIN - 1/2 4000 L/MIN

(AIR SUPPLY PORT) G 1/8" - G 1/4" - G 1/2 "

(NUMBER OF WAYS) 3/2-5/2

(BODY MATERIALS) ALLUMINIUM,

(SEALING MATERIALS) NBR

(TEMPERATURE) -20°C +50°C

(VOLTAGE) DC:12V-24V-48V
AC: 24V-115V-230V

IP65

COIL MORE CONNECTOR LED VDR

CODICE	VOLTAGE	ATTACCO	CONNECTOR
CS00.028.0LV	24 VDC 6 WATT	22 MM	22C
CS00.029.0LV	24 VAC 8 VA	22 MM	22C
CS00.030.0LV	110 VAC 10 VA	22 MM	22C
CS00.031.0LV	220 VAC 8 VA	22 MM	22C



3/2 - 5/2 WAY PNEUMATIC VALVE

Specifications

(MODEL)	CS3A210-06 3/2 NC	1/8 MONOSTABLE
	CS4A210-06 5/2	1/8 MONOSTABLE
	CS4A220-06 5/2	1/8 BISTABLE
	CS4A310-08 5/2	1/4 MONOSTABLE
	CS4A320-08 5/2	1/4 BISTABLE
	CS4A410-15 5/2	1/2 MONOSTABLE
	CS4A420-15 5/2	1/2 BISTABLE

(OPERATING PRESSURE) 2 TO 10 BAR

(AIR FLOW) 1/8 500 L/MIN - 1/4 950 L/MIN - 1/2 4000 L/MIN

(AIR SUPPLY PORT) G 1/8" - G 1/4" - G 1/2 "

(NUMBER OF WAYS) 3/2-5/2

PNEUMATIC VALVES

PNEUMATIC ANGLE SEAT VALVE SSJZF - LUC

Specifications

- (SIZE RANGE) DN10 TO DN80, 3/8" TO 2"
- (OPERATING PRESSURE) 0 TO 1.6MPA
- (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
- (ACTUATOR MATERIALS) STAINLESS STEEL D27-28-40-50-63-90
- (BODY MATERIALS) STAINLESS STEEL
- (SEALING MATERIALS) FKM (VITON), PTFE (TEFLON) -10 -180C
- (PISTON SEALING MATERIALS) NBR, FKM (VITON)
- (TEMPERATURE) -10 /+180C PTFE
- (ATEX) II 2GD C IIC TX



LUCIDE - POLISHED DESIGNED TO PREVENT WATER HAMMER
PRESSURE BELOW MAIN SEAT

CODICE	FILETTO	FORO mm	BAR Max	ACTUATOR	SEAL
SSJZF10-28LUC	3/8	13	7	28	PTFE
SSJZF15-28LUC	1/2	13	7	28	PTFE
SSJZF15-40LUC	1/2	13	13	40	PTFE
SSJZF15-50LUC	1/2	13	14	50	PTFE
SSJZF20-50LUC	3/4	18	14	50	PTFE
SSJZF25-50LUC	1	24	8	50	PTFE
SSJZF25-63LUC	1	24	13	63	PTFE
SSJZF32-63LUC	1 1/4	31	6	63	PTFE
SSJZF32-90LUC	1 1/4	31	16	90	PTFE
SSJZF40-63LUC	1 1/2	35	5	63	PTFE
SSJZF40-90LUC	1 1/2	35	16	90	PTFE
SSJZF50-90LUC	2	45	10	90	PTFE

Model	Orifice(mm)	Port size	Actuator(mm)	Kv (m ³ /h)	Max. working pressure(bar)				Min. control pressure(bar)
					Single, NC	Single, NO	Double	NC, under seat	NC, under seat
SSJZF-40-15	14	G1/2"	40	4	16	8	16	4,5	5
SSJZF-50-15	14	G1/2"	50	4	16	16	16	11	5
SSJZF-50-20	18	G3/4"	50	6	16	16	16	9	5
SSJZF-50-25	25	G1"	50	14	16	10	16	6	6
SSJZF-63-25	25	G1"	63	14	16	16	16	11	5,5
SSJZF-63-32	31	G1 1/4"	63	20	16	12	16	6	5,5
SSJZF-63-40	35	G1 1/2"	63	21	16	10	16	5	5,5
SSJZF-80-40	35	G1 1/2"	80	21	16	16	16	8	5
SSJZF-80-50	45	G2"	80	35	16	8	16	—	—
Model	Orifice(mm)	Port size	Actuator(mm)	Kv (m ³ /h)	Max. working pressure(bar)				Min. control pressure(bar)
					Single, NC	Single, NO	Double	NC, under seat	NC, under seat
SSJZF-LUC40-15	14	G1/2"	40	4	16	8	16	13	6
SSJZF-LUC50-15	14	G1/2"	50	4	16	16	16	14	6
SSJZF-LUC50-20	18	G3/4"	50	6	16	16	16	14	6
SSJZF-LUC50-25	25	G1"	50	14	16	10	16	8	6
SSJZF-LUC63-25	25	G1"	63	14	16	16	16	13	6
SSJZF-LUC63-32	31	G1 1/4"	63	20	16	12	16	6	6
SSJZF-LUC63-40	35	G1 1/2"	63	21	16	10	16	5	6
SSJZF-LUC90-40	35	G1 1/2"	80	21	16	16	16	16	6
SSJZF-LUC90-50	45	G2"	80	35	16	8	16	10	6



PNEUMATIC ANGLE SEAT VALVE SSJZF15 - 27

Specifications

- (SIZE RANGE) DN10 TO DN80, 3/8" TO 2"
- (OPERATING PRESSURE) 0 TO 1.6MPA
- (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
- (ACTUATOR MATERIALS) STAINLESS STEEL D27-28-40-50-63-90
- (BODY MATERIALS) STAINLESS STEEL
- (SEALING MATERIALS) FKM (VITON), PTFE (TEFLON) -10 -180C
- (PISTON SEALING MATERIALS) NBR, FKM (VITON)
- (TEMPERATURE) -10 +180C PTFE

OPACHE - RAW MATTE

PRESSURE ABOVE MAIN SEAT

CODICE	FILETTO	FORO mm	BAR Max	BAR Max Above seat	ACTUATOR	SEAL
SSJZF15-27	1/2	13	8	8	27	PTFE
SSJZF15-40	1/2	13	16	16	40	PTFE
SSJZF20-50	3/4	18	16	16	50	PTFE
SSJZF25-50	1	24	13	16	50	PTFE
SSJZF25-63	1	24	16	16	63	PTFE
SSJZF32-63	1 1/4	31	16	16	63	PTFE
SSJZF40-63	1 1/2	35	13	16	63	PTFE
SSJZF40-80	1 1/2	35	16	16	80	PTFE
SSJZF50-80	2	45	16	16	80	PTFE



THE VALVE SSJZF15-27

it must be used with pressures from 5 to 10 bar.
With lower pressures it must be double acting.

For specific dimensions, the angle seat valve can be used with pressure below the seat, though only at the listen pressures. If the pressure increases, the medium may open the valve.

For below seat use the SSJZF-LUC



POSITION INDICATOR INOX 316 CS685

Specifications

(SIZE RANGE) DN10 TO DN50, 1/2" TO 2"

(BODY MATERIALS) STAINLESS STEEL

(TEMPERATURE) -20 +70C



POSITION INDICATOR PG-1435 FOR SSJZF

Specifications

(SIZE RANGE) DM40-50-63-80

(STROKE) 5-35 MM

(AMPERE) 25MA A 24VDC

(TEMPERATURE) -20 +70C

(MECCANICAL SWITCH) SPDM

(PROTECTION) IP 65

FOR SSJZF-15-40LUC ASSEMBLING IN FACTORY



PROXIMITY SENSOR FOR SSJZF

Specifications

(SIZE RANGE) DM40-50-63-80

(OUTPUT TYPE) NPN-PNP



PNEUMATIC ANGLE SEAT VALVE SSJAP

Specifications

(SIZE RANGE) DN10 TO DN50, 1/2" TO 2"

(OPERATING PRESSURE) 0 TO 40 BAR

(VALVE OPERATION TYPE) NORMALLY CLOSED (NC)

(ACTUATOR MATERIALS) STAINLESS STEEL

(BODY MATERIALS) STAINLESS STEEL

(SEALING MATERIALS) FKM (VITON),

PTFE (TEFLON) -40 +180C

(PISTON SEALING MATERIALS) NBR, FKM (VITON)

40 BAR



PNEUMATIC ANGLE SEAT VALVE SSJZFP

Specifications

(SIZE RANGE) DN10 TO DN50, 1/2" TO 2"

(OPERATING PRESSURE) 0 TO 16 BAR

(VALVE OPERATION TYPE) NORMALLY CLOSED (NC)

(ACTUATOR MATERIALS) STAINLESS STEEL

(BODY MATERIALS) STAINLESS STEEL

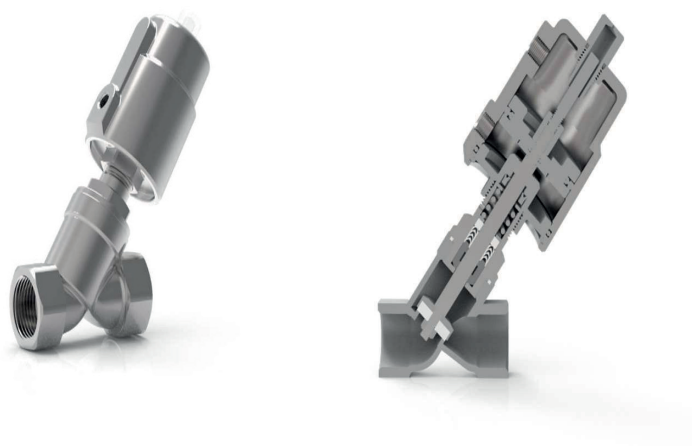
(SEALING MATERIALS) PTFE (TEFLON) -40 +180C

(PISTON SEALING MATERIALS) PTFE

(ATEX) II 2GD C IIC TX

C21IZ1 Series compliant with MOCA Regulations

CAM informs about the introduction of the C21IZ1 Series version compliant with European Regulation 1935/2004 (MOCA) in the pneumatic valves range.



The product compliant with EC Regulation 1935/2004 can be used in the Food & Beverage sector, where is

(valve components) that come into contact with food products.

P CE 1935/2004

the shutter in virgin PTFE.

C21	IZ1	CS	1	A	T	P	1/2	40	BP
C21	IZ1	CS	1	A	T	P	3/4	50	BP
C21	IZ1	CS	1	A	T	P	1	50	BP



PNEUMATIC ANGLE SEAT VALVE SSJZMOD

Specifications

(SIZE RANGE) DN15 TO DN50, 1/2" TO 2"

(OPERATING PRESSURE) 0 TO 1.6MPA

(VALVE OPERATION TYPE) NC

(ACTUATOR MATERIALS) STAINLESS STEEL

(BODY MATERIALS) STAINLESS STEEL

(SEALING MATERIALS) EPDM -FKM-PEEK

(TEMPERATURE) -10 +180C PTFE



CODICE	FILETTO	FORO mm	BAR Max	ACTUATOR	SEAL
SSJZMOD-15-50	1/2	13	13	50	PEEK
SSJZMOD-20-40	3/4	18	13	70	PEEK
SSJZMOD-25-70	1	24	12	70	PEEK
SSJZMOD-32-70	1 1/4	31	9	70	PEEK
SSJZMOD-40-70	1 1/2	35	10	70	PEEK
SSJZMOD-40-100	1 1/2	35	13	100	PEEK
SSJZMOD-50-100	2	45	10	100	PEEK



POSITIONER CAM 1500

Specifications

(MODEL) CAM 1500

(ALIMENTATION) 24 VDC

(SEGNAL) 4-20MA

(PNEUMATIC SEGNAL) 5-8 BAR

(PROTECTION) IP 66





ELECTRONIC CONTROL ITB - DRIVE

Specifications

- (MODEL) ITB-DRIVE
- (ALIMENTATION) 24 VDC
- (SEGNAL) 0-10V/ 4-20MA
- (PNEUMATIC SEGNAL) 5-8 BAR
- (PROTECTION) IP 54



PNEUMATIC ANGLE SEAT VALVE SSJMINI

Specifications

- (SIZE RANGE) 1/2" TO 1"
- (OPERATING PRESSURE) 0 TO 10 BAR
- (VALVE OPERATION TYPE) NC
- (ACTUATOR MATERIALS) ALLUMINIUM
- (BODY MATERIALS) STAINLESS STEEL
- (SEALING MATERIALS) PTFE
- (TEMPERATURE) -10 +180C PTFE
- PRESSURE ABOVE SHETTER

CODICE	FILETTO	FORO mm	BAR Max	ACTUATOR	SEAL
SSJMINI-15	1/2	13	10	37	PTFE
SSJMINI-20	3/4	18	10	37	PTFE
SSJMINI-25	1	24	10	37	PTFE



PNEUMATIC ANGLE SEAT VALVE RQ22HD

Specifications

(SIZE RANGE) DN15 TO DN25, 1/2" TO 1"

(OPERATING PRESSURE) 0 TO 12 BAR

(VALVE OPERATION TYPE) NORMALLY CLOSED (NC)

(ACTUATOR MATERIALS) ALLUMINIUM

(BODY MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(PISTON SEALING MATERIALS) NBR

(TEMPERATURE) -10 +90C

CODICE	FILETTO	FORO mm	BAR Max	ACTUATOR	SEAL
RQ22HD-15	1/2	13	10	37	PTFE
RQ22HD-20	3/4	18	10	37	PTFE
RQ22HD-25	1	24	10	37	PTFE



PNEUMATIC ANGLE SEAT VALVE SSJZF - FL

Specifications

- (SIZE RANGE) DN10 TO DN100 DIN 2576
- (OPERATING PRESSURE) 0 TO 1.6MPA
- (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
- (ACTUATOR MATERIALS) STAINLESS STEEL
- (BODY MATERIALS) STAINLESS STEEL
- (SEALING MATERIALS) FKM (VITON),
PTFE (TEFLON) -10 +180C
- (PISTON SEALING MATERIALS) NBR, FKM (VITON)



PNEUMATIC ANGLE SEAT VALVE SSJZF - WL

Specifications

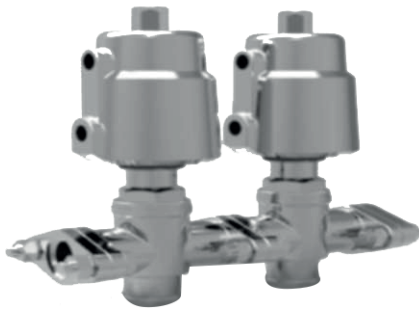
- (SIZE RANGE) DN15 TO DN80,
- (OPERATING PRESSURE) 0 TO 1.6MPA
- (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
- (ACTUATOR MATERIALS) STAINLESS STEEL
- (BODY MATERIALS) STAINLESS STEEL DIN 11850-2
- (SEALING MATERIALS) FKM (VITON),
PTFE (TEFLON) -10 +180C
- (PISTON SEALING MATERIALS) NBR, FKM (VITON)



PNEUMATIC ANGLE SEAT VALVE SSJZF - CLAMP

Specifications

- (SIZE RANGE) DN15 TO DN50,
- (OPERATING PRESSURE) 0 TO 1.6MPA
- (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
- (ACTUATOR MATERIALS) STAINLESS STEEL
- (BODY MATERIALS) STAINLESS STEEL TRI-CLAMP
ISO2852-1993
- (SEALING MATERIALS) FKM (VITON),
PTFE (TEFLON) -10 +180C
- (PISTON SEALING MATERIALS) NBR, FKM (VITON)



PNEUMATIC ANGLE SEAT VALVE SSJMO

Specifications

(SIZE RANGE) DN15 OR DN25,
 (OPERATING PRESSURE) 0 TO 1.6MPA
 (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
 (ACTUATOR MATERIALS) STAINLESS STEEL
 (BODY MATERIALS) STAINLESS STEEL GAS
 (SEALING MATERIALS) FKM (VITON),
 PTFE (TEFLON) -10 +180C
 (PISTON SEALING MATERIALS) NBR, FKM (VITON)



PNEUMATIC ANGLE SEAT VALVE VBR5NC

Specifications

(SIZE RANGE) DN10 TO DN50, 1/2" TO 2"
 (OPERATING PRESSURE) 0 TO 12 BAR
 (VALVE OPERATION TYPE) NORMALLY CLOSED (NC)
 (ACTUATOR MATERIALS) ALLUMINIUM
 (BODY MATERIALS) BRASS
 (SEALING MATERIALS) FKM (VITON) -20 +60C
 (PISTON SEALING MATERIALS) FKM
 (ACTING MODE) DOUBLE ACTING,
 SINGLE ACTING NA
 (SPRING RETURN)

PINCH VALVES OV



Specifications

(SIZE RANGE) DN15-DN250 PN10

(OPERATING PRESSURE) 5 BAR

(VALVE OPERATION TYPE) DE-NC

(BODY MATERIALS) ALLUMINIUM

(SEALING MATERIALS) RUBBER-EPDM

PINCH VALVES VF



Specifications

(SIZE RANGE) DN10-DN250 PN10

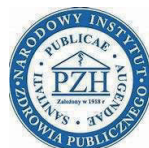
(OPERATING PRESSURE) 5 BAR

(VALVE OPERATION TYPE) DE-NC

(BODY MATERIALS) ALLUMINIUM POM-INOX

(SEALING MATERIALS) RUBBER-EPDM

11 - BALL VALVES FULL BORE BRASS



2 WAY BALL VALVE F/F VSFF954PLUS



Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"
 (BODY MATERIALS) BRASS PN 50
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) PTFE
 (TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VS954PLUS-1/4	VS954PLUS-3/8	VS954PLUS-1/2	VS954PLUS-3/4	VS954PLUS-1	VS954PLUS-11/4
SIZE	1 1/2	2				
PN	32	32				
CODICE	VS954PLUS-11/2	VS954PLUS-2				



2 WAY BALL VALVE M/F VSMF956PLUS



Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"
 (BODY MATERIALS) BRASS PN 50
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) PTFE
 (TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSMF956PLUS-1/4	VSMF956PLUS-3/8	VSMF956PLUS-1/2	VSMF956PLUS-3/4	VSMF956PLUS-1	VSMF956PLUS-11/4
SIZE	1 1/2	2				
PN	32	32				
CODICE	VSMF956PLUS-11/2	VSMF956PLUS-2				



2 WAY BALL VALVE M/M VSMM957PLUS



Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSMM957PLUS-1/4	VSMM957PLUS-3/8	VSMM957PLUS-1/2	VSMM957PLUS-3/4	VSMM957PLUS-1	VSMM957PLUS-11/4
SIZE	1 1/2	2				
PN	32	32				
CODICE	VSMM957PLUS-11/2	VSMM957PLUS-2				



2 WAY BALL VALVE F/F CAM954 RED HANDLE



Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSFF954-1/4	VSFF954-3/8	VSFF954-1/2	VSFF954-3/4	VSFF954-1	VSFF954-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	VSFF954-11/2	VSFF954-2	VSFF954-21/2	VSFF954-3	VSFF954-4	

CAM 954 LB BLUE HANDLE



CAM 954 LN BLACK HANDLE





2 WAY BALL VALVE F/F CAM954A RED BUTTERFLY

Specifications

(SIZE RANGE) DN08 TO DN32, 1/4" TO 1 1/4"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSFF954A-1/4	VSFF954A-3/8	VSFF954A-1/2	VSFF954A-3/4	VSFF954A-1	VSFF954A-11/4

CAM 954/A FB BLUE BUT



CAM 954/AFN BLACK BUT



2 WAY BALL VALVE M/F CAM956 RED HANDLE

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSMF956-1/4	VSMF956-3/8	VSMF956-1/2	VSMF956-3/4	VSMF956-1	VSMF956-11/4
SIZE	1 1/2	2				
PN	32	32				
CODICE	VSMF956-11/2	VSMF956-2				

CAM 956 LB BLUE HANDLE



CAM 956 LN BLACK HANDLE



2 WAY BALL VALVE M/F CAM956A RED BUTTERFLY

Specifications

(SIZE RANGE) DN08 TO DN32, 1/4" TO 1 1/4"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSFF956A-1/4	VSFF956A-3/8	VSFF956A-1/2	VSFF956A-3/4	VSFF956A-1	VSFF956A-1 1/4

CAM 956/A FB BLUE BUT



CAM 956/A FN BLACK BUT



2 WAY BALL VALVE M/M CAM957 RED HANDLE

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

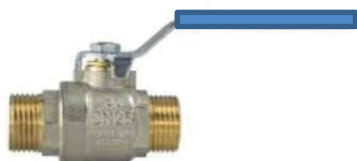
(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C



SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSMM957-1/4	VSMM957-3/8	VSMM957-1/2	VSMM957-3/4	VSMM957-1	VSMM957-11/4
SIZE	1 1/2	2				
PN	32	32				
CODICE	VSMM957-11/2	VSMM957-2				

CAM 957 LB BLUE HANDLE



CAM 957 LN BLACK HANDLE



2 WAY BALL VALVE M/M CAM957A RED BUTTERFLY

Specifications

(SIZE RANGE) DN08 TO DN25, 1/4" TO 1"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

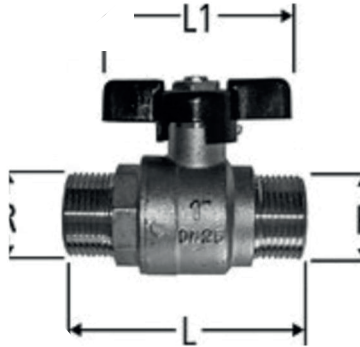


SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSMM957A-1/4	VSMM957A-3/8	VSMM957A-1/2	VSMM957A-3/4	VSMM957A-1	VSMM957A-11/4

CAM 957/A FB BLUE BUT



CAM 957/AFN BLACK BUT



**OND DEMAND
GAS VALVES WITH YELLOW BUTTERFLY APPROVED DVGW HTB**



NPT



2 WAY BALL VALVE F/F VSFF45 NPT

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4" NPT

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSFF45-1/4	VSFF45-3/8	VSFF45-1/2	VSFF45-3/4	VSFF45-1	VSFF45-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	VSFF45-11/2	VSFF45-2	VSFF45-21/2	VSFF45-3	VSFF45-4	



2 WAY BALL VALVE F/F VSFF45/A NPT

Specifications

(SIZE RANGE) DN08 TO DN25, 1/4" TO 1" NPT

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	
PN	50	50	50	50	40	
CODICE	VSFF45A-1/4	VSFF45A-3/8	VSFF45A-1/2	VSFF45A-3/4	VSFF45A-1	

BALL VALVES STANDARD BORE BRASS



2 WAY BALL VALVE F/F CAM918 RED HANDLE

Specifications

(SIZE RANGE) DN15 TO DN100, 1/2" TO 4"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -10 +150C

SIZE			1/2	3/4	1	1 1/4
PN			50	50	40	40
CODICE			VSFF918-1/2	VSFF918-3/4	VSFF918-1	VSFF918-1 1/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	VSFF918-1 1/2	VSFF918-2	VSFF918-2 1/2	VSFF918-3	VSFF918-4	

CAM 918 LB BLUE HANDLE



CAM 918 LN BLACK HANDLE



2 WAY BALL VALVE M/F CAM919 RED HANDLE

Specifications

(SIZE RANGE) DN15 TO DN50, 1/2" TO 2"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

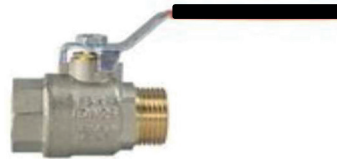
(TEMPERATURE) -10 +150C

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	50	50	40	40	32	32
CODICE	VSMF919-1/2	VSMF919-3/4	VSMF919-1	VSMF919-1 1/4	VSMF919-1 1/2	VSMF919-2

CAM 919 LB BLUE HANDLE



CAM 919 LN BLACK HANDLE



2 WAY BALL VALVE M/F CAM919A RED BUTTERFLY



Specifications

(SIZE RANGE) DN15 TO DN25, 1/2" TO 1"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -10 +150C

SIZE	1/2	3/4	1
PN	50	50	40
CODICE	VSMF919A-1/2	VSMF919A-3/4	VSMF919A-1

CAM 919/A FB BLUE BUT



CAM 919/AFN BLACK BUT





2 WAY BALL VALVE M/F CAM920 RED BUTTERFLY

Specifications

(SIZE RANGE) DN15 TO DN20, 1/2" TO 3/4"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -10 +150C

SIZE	1/2	3/4	
PN	50	50	
CODICE	VSMM920-1/2	VSMM920-3/4	

CAM 920/A RED BUT



SIZE	1/2	3/4	
PN	50	50	
CODICE	VSMM920A-1/2	VSMM920A-3/4	

BALL VALVES 3 WAY STANDARD BORE BRASS



3 WAY VS3FF - L OR T F/F RED HANDLE

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +150C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
ART. L	V3SFFL-1/4	V3SFFL-3/8	V3SFFL-1/2	V3SFFL-3/4	V3SFFL-1	V3SFFL-11/4
SIZE	1 1/2	2				
PN	32	32				
ART. L	V3SFFL-11/2	V3SFFL-2				

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
ART. T	V3SFFT-1/4	V3SFFT-3/8	V3SFFT-1/2	V3SFFT-3/4	V3SFFT-1	V3SFFT-11/4
SIZE	1 1/2	2				
PN	32	32				
ART. T	V3SFFT-11/2	V3SFFT-2				

ON DEMAND



3 WAY CAM72 - T CAM73-L RED HANDLE

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +150C

MINIBALL BRASS



MINIBALL F/F MVSFF - ES BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/4"
 (BODY MATERIALS) BRASS PN 40
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) NBR
 (TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8	1/2	3/4
PN	16	16	16	16	16
CODICE	MVSFF-1/8ES	MVSFF-1/4ES	MVSFF-3/8ES	MVSFF-1/2ES	MVSFF-3/4ES

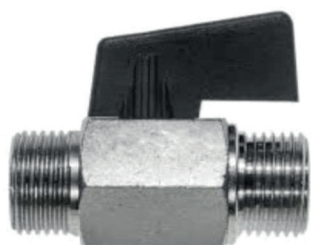


MINIBALL M/F MVSMF - ES BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/4"
 (BODY MATERIALS) BRASS PN 40
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) NBR
 (TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8	1/2	3/4
PN	16	16	16	16	16
CODICE	MVSMF-1/8ES	MVSMF-1/4ES	MVSMF-3/8ES	MVSMF-1/2ES	MVSMF-3/4ES



MINIBALL M/M MVSM - ES BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/4"

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8	1/2	3/4
PN	16	16	16	16	16
CODICE	MVSM-1/8ES	MVSM-1/4ES	MVSM-3/8ES	MVSM-1/2ES	MVSM-3/4ES



MINIBALL F/F MVFF - BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 1/2"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8	1/2
PN	20	20	20	20
CODICE	MVFF-1/8	MVFF-1/4	MVFF-3/8	MVFF-1/2



MINIBALL F/F MVFFSF - 3 WAY BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/8"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8
PN	20	20	20
CODICE	MVFFSF-1/8	MVFFSF-1/4	MVFFSF-3/8



MINIBALL F/F MVMF BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 1/2"

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8	1/4	3/8	1/2	1/4 1/8	3/8 1/4
PN	20	20	20	20	20	20
CODICE	MVMF-1/8	MVMF-1/4	MVMF-3/8	MVMF-1/2	MVMF-1/4-1/8	MVMF3/8-1/4



MINIBALL M/AR BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/8 TUBE 4/6/8

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8-4	1/4-4	1/8-6	1/4-6	3/8-6	1/4-8
PN	20	20	20	20	20	20
ART. L	MVM/AR-184	MVM/AR144	MVM/AR186	MVM/AR146	MVM/AR386	MVM/AR148
SIZE	3/8-8					
PN	20					
ART. L	MVM/AR388					



MINIBALL MVAR BLACK BUTTERFLY

Specifications

(SIZE RANGE) 4/6/8

(BODY MATERIALS) BRASS PN 50

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	4	6	8
PN	20	20	20
CODICE	MVAR4	MVAR6	MVAR8



MINIBALL MVBB BLACK BUTTERFLY

Specifications

(SIZE RANGE) 4/6/8
 (BODY MATERIALS) BRASS PN 40
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) NBR
 (TEMPERATURE) -20 +90C

SIZE	6-6	6-8	8-8
PN	20	20	20
CODICE	MVBB66	MVBB6-8	MVBB88



MINIBALL MV M/B BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 3/8 TUBE 4/6/8
 (BODY MATERIALS) BRASS PN 40
 (BALL MATERIALS) BRASS
 (SEALING MATERIALS) NBR
 (TEMPERATURE) -20 +90C

SIZE	1/8-6	1/4-6	1/8-8	1/4-8	3/8-8
PN	20	20	20	20	20
ART. L	MVMB-186	MVMB-146	MVMB-188	MVMB-148	MVMB-388



MINIBALL MV M/BAIO BLACK BUTTERFLY

Specifications

(SIZE RANGE) 1/8" TO 1/4

(BODY MATERIALS) BRASS PN 40

(BALL MATERIALS) BRASS

(SEALING MATERIALS) NBR

(TEMPERATURE) -20 +90C

SIZE	1/8	1/4
PN	20	20
CODICE	MVM/BAIO1/8	MVM/BAIO1/4

LEVE DISPONIBILI – LEVEL ON DEMAND



STRAINER BRASS



Y STRAINER VSY - 924

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) BRASS PN 16

(MESH) INOX

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	40	40
CODICE	VSY924-1/4	VSY924-3/8	VSY924-1/2	VSY924-3/4	VSY924-1	VSY924-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	VSY924-11/2	VSY924-2	VSY924-21/2	VSY924-3	VSY924-4	



STRAINER CAM995L

Specifications

(SIZE RANGE) 3/8" TO 4"

(BODY MATERIALS) NYLON

(MESH) INOX

SIZE			1/2	3/4	1	1 1/4
PN			50	50	40	40
CODICE			CAM995L-1/2	CAM995L-3/4	CAM995L-1	CAM995L-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	CAM995L-11/2	CAM995L-2	CAM995L-21/2	CAM995L-3	CAM995L-4	



STRAINER CAM98

Specifications

(SIZE RANGE) 3/8" TO 4"

(BODY MATERIALS) BRASS

(MESH) INOX

SIZE			1/2	3/4	1	1 1/4
PN			50	50	40	40
CODICE			CAM98-1/2	CAM98-3/4	CAM98-1	CAM98-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	CAM98-11/2	CAM98-2	CAM98-21/2	CAM98-3	CAM98-4	



CYLINDRICAL FOOT VALVE CAM90

Specifications

(SIZE RANGE) 3/4" TO 4"

(BODY MATERIALS) BRASS

SIZE				3/4	1	1 1/4
PN				50	40	40
CODICE				CAM90-3/4	CAM90-1	CAM90-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	CAM90-11/2	CAM90-2	CAM90-21/2	CAM90-3	CAM90-4	



FOOT VALVE CAM994

Specifications

(SIZE RANGE) 3/4" TO 4"

(BODY MATERIALS) BRASS

SIZE			1/2	3/4	1	1 1/4
PN			50	50	40	40
CODICE			CAM994-1/2	CAM994-3/4	CAM994-1	CAM994-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	32	32	16	16	16	
CODICE	CAM994-11/2	CAM994-2	CAM994-21/2	CAM994-3	CAM994-4	

CHECK VALVES



SWING CHECK CAM993TG

Specifications

(SIZE RANGE) DN08 TO DN100, 1/2" TO 4"

(BODY MATERIALS) BRASS

(SEAT) RUBBER SEAT

SIZE			1/2	3/4	1	1 1/4
PN			16	16	16	16
CODICE			CAM993TG-1/2	CAM993TG-3/4	CAM993TG-1	CAM993TG-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	16	16	16	
CODICE	CAM993TG-11/2	CAM993TG-2	CAM993TG-21/2	CAM993TG-3	CAM993TG-4	



SWING CHECK CAM993TM

Specifications

(SIZE RANGE) DN08 TO DN100, 1/2" TO 4"

(BODY MATERIALS) BRASS

(SEAT) METAL SEAT

SIZE			1/2	3/4	1	1 1/4
PN			16	16	16	16
CODICE			CAM993TM-1/2	CAM993TM-3/4	CAM993TM-1	CAM993TM-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	16	16	16	
CODICE	CAM993TM-11/2	CAM993TM-2	CAM993TM-21/2	CAM993TM-3	CAM993TM-4	



CHECK VALVES CSRT - 999H

Specifications

(SIZE RANGE) 3/8" TO 4"
 (BODY MATERIALS) BRASS PN25
 (SHUTTER) INOX

SIZE		3/8	1/2	3/4	1	1 1/4
PN		25	25	25	25	16
CODICE		VSRT-999H-3/8	VSRT-999H-1/2	VSRT-999H-3/4	VSRT-999H-1	VSRT-999H-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
CODICE	VSRT-999H-11/2	VSRT-999H-2	VSRT-999H-21/2	VSRT-999H-3	VSRT-999H-4	



CHECK VALVES CSRT - 999L

Specifications

(SIZE RANGE) 3/8" TO 4"
 (BODY MATERIALS) BRASS PN 16
 (SHUTTER) NYLON

SIZE		3/8	1/2	3/4	1	1 1/4
PN		25	25	25	25	16
CODICE		VSRT-999L-3/8	VSRT-999L-1/2	VSRT-999L-3/4	VSRT-999L-1	VSRT-999L-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
CODICE	VSRT-999L-11/2	VSRT-999L-2	VSRT-999L-21/2	VSRT-999L-3	VSRT-999L-4	



CHECK VALVES VSRT - 999H

Specifications

(SIZE RANGE) 3/8" TO 4"
 (BODY MATERIALS) BRASS
 (BUIL-OM MESH) INOX

SIZE			1/2	3/4	1	1 1/4
PN			25	25	25	16
CODICE			VSRT-923-1/2	VSRT-923-3/4	VSRT-923-1	VSRT-923-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
CODICE	VSRT-923-11/2	VSRT-923-2	VSRT-923-21/2	VSRT-923-3	VSRT-923-4	

GATE VALVES



GATE VALVE CAM140

Specifications

(SIZE RANGE) DN10 TO DN100, 3/8" TO 4"
(BODY MATERIALS) BRASS PN 20

SIZE		3/8	1/2	3/4	1	1 1/4
PN		20	20	20	20	20
CODICE		CAM140-3/8	CAM140-1/2	CAM140-3/4	CAM140-1	CAM140-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	20	20	20	20	20	
CODICE	CAM140-11/2	CAM140-2	CAM140-21/2	CAM140-3	CAM140-4	



GATE VALVE CAM605

Specifications

(SIZE RANGE) DN15 TO DN150, 1/2" TO 6"
(BODY MATERIALS) BRASS PN 16

SIZE	3/8	1/2	3/4	1	1 1/4	1 1/2
PN	16	16	16	16	16	16
CODICE	CAM605-3/8	CAM605-1/2	CAM605-3/4	CAM605-1	CAM605-11/4	CAM605-11/2
SIZE	2	2 1/2	3	4	5	6
PN	16	16	16	16	16	16
CODICE	CAM605-2	CAM605-21/2	CAM605-3	CAM605-4	CAM605-5	CAM605-6



GATE VALVE CAM600

Specifications

(SIZE RANGE) DN15 TO DN50, 1/2" TO 2"
(BODY MATERIALS) BRASS PN 10

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	10	10	10	10	10	10
CODICE	CAM600-1/2	CAM600-3/4	CAM600-1	CAM600-11/4	CAM600-11/2	CAM600-2

PRESSURE REDUCING VALVES



PRESSURE REDUCING CAM302

Specifications

(SIZE RANGE) DN 25, 1/2"

SIZE	1/2
PN	20
CODICE	CAM302-1/2



PRESSURE REDUCING CAM304

Specifications

(SIZE RANGE) 3/8" TO 3/4"

(BODY MATERIALS) BRASS

(GAUGES CONNECTION) 1/4"

SIZE	3/8	1/2	3/4
PN	10	10	10
CODICE	CAM304-3/8	CAM304-1/2	CAM304-3/4



PRESSURE REDUCING CAM305

Specifications

(SIZE RANGE) 1/2" TO 3"

(BODY MATERIALS) BRASS

(GAUGES CONNECTION) 1/4

SIZE		1/2	3/4	1	1 1/4	1 1/2
PN		25	25	25	25	25
CODICE		CAM305-1/2	CAM305-3/4	CAM305-1	CAM305-11/4	CAM305-11/2
SIZE	2	2 1/2	3			
PN	25	25	25			
CODICE	CAM305-2	CAM305-21/2	CAM305-3			



PRESSURE REDUCING CAM303

Specifications

(SIZE RANGE) 1/2" TO 3"

(BODY MATERIALS) BRASS

(GAUGES CONNECTION) 1/4

(SEAT) INOX

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	25	25	25	25	25	25
CODICE	CAM303-1/2	CAM303-3/4	CAM303-1	CAM303-11/4	CAM303-11/2	CAM303-2



PRESSURE REDUCING CAM300 MM

Specifications

(SIZE RANGE) 1/2" TO 3"

(BODY MATERIALS) BRASS M/M

(GAUGES CONNECTION) 1/4

(SEAT) INOX

SIZE	1/2	3/4	1	1 1/4	1 1/2	2
PN	25	25	25	25	25	25
CODICE	CAM300-1/2	CAM300-3/4	CAM300-1	CAM300-11/4	CAM300-11/2	CAM300-2

MINIBALL VALVES

MINIBALL F/F MVSX FF BLUE BUTTERFLY



Specifications

(SIZE RANGE) 1/4" TO 1/2"

(BODY MATERIALS) INOX PN 40

(BALL MATERIALS) INOX

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +120C

SIZE		1/4	3/8	1/2
PN		40	40	40
CODICE		MVSXFF-1/4	MVSXFF-3/8	MVSXFF-1/2

MINIBALL F/F MVSX MF BLUE BUTTERFLY



Specifications

(SIZE RANGE) 1/4" TO 1/2"

(BODY MATERIALS) INOX PN 40

(BALL MATERIALS) INOX

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +120C

SIZE		1/4	3/8	1/2
PN		40	40	40
CODICE		MVSXMF-1/4	MVSXMF-3/8	MVSXMF-1/2

BALL VALVES INOX



2 WAY BALL VALVE F/F VSXFF

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) INOX PN 63

(BALL MATERIALS) INOX316

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +180C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	63	63	63	63	63	63
CODICE	VSXFF-1/4	VSXFF-3/8	VSXFF-1/2	VSXFF-3/4	VSXFF-1	VSXFF-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	63	63	63	63	63	
CODICE	VSXFF-11/2	VSXFF-2	VSXFF-21/2	VSXFF-3	VSXFF-4	



2 WAY BALL VALVE VSX64 - MAN - MM-MF

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) INOX 316L PN 100

(BALL MATERIALS) INOX316

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

(OPTIONS)

MALE / FEMALE MF

MALE/MALE MM

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	100	100	100	100	64	64
CODICE	VSX64MAN-1/4	VSX64MAN-3/8	VSX64MAN-1/2	VSX64MAN-3/4	VSX64MAN-1	VSX64MAN-11/4
SIZE	1 1/2	2	2 1/2	3		
PN	64	40	40	40		
CODICE	VSX64MAN-11/2	VSX64MAN-2	VSX64MAN-21/2	VSX64MAN-3		



2 WAY BALL VALVE VSX52MAN

Specifications

(SIZE RANGE) DN08 TO DN25, 1/4" TO 1"

(BODY MATERIALS) INOX 316L PN 200

(BALL MATERIALS) INOX316

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C

SIZE	1/4	3/8	1/2	3/4	1	
PN	200	200	200	200	200	
CODICE	VSX52MAN-1/4	VSX52MAN-3/8	VSX52MAN-1/2	VSX52MAN-3/4	VSX52MAN-1	



2 WAY BALL VALVE VSX72MAN CLAMP

Specifications

(SIZE RANGE) DN10 TO DN100

1"-4"

(BODY MATERIALS) INOX 304-316 PN 16

(BALL MATERIALS) INOX304 -316

(SEALING MATERIALS) PTFE

(TEMPERATURE) -10 +100C

ART. VSX72MAN

VALVOLA A SFERA CLAMP BS AISI 304

BALL VALVES

ART. VSX73MAN

VALVOLA A SFERA CLAMP BS AISI 316

BALL VALVES

SUFFIX: C FOR PTFE+FKM E FOR PTFE+EPDM

SIZE	1	1 1/2	2	2 1/2	3	4
PN	16	16	16	16	10	10
CODICE	VSX72MAN-1	VSX72MAN-1 1/2	VSX72MAN-2	VSX72MAN-2 1/2	VSX72MAN-3	VSX72MAN-4

ART. VSX72AMAN

VALVOLA A SFERA CLAMP ISO2852 AISI 304

BALL VALVES

ART. VSX73AMAN

VALVOLA A SFERA CLAMP ISO2852 AISI 316

BALL VALVES

SIZE	10/10	10/15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX72AMAN-10	VSX72AMAN-15	VSX72AMAN-20	VSX72AMAN-25	VSX72AMAN-32	VSX72AMAN-40
SIZE	50	65	80	100		
PN	16	10	10	10		
CODICE	VSX72AMAN-50	VSX72AMAN-65	VSX72AMAN-80	VSX72AMAN-100		

ART. VSX72BMAN

VALVOLA A SFERA CLAMP DIN32676 AISI 304

BALL VALVES

ART. VSX73BMAN

VALVOLA A SFERA CLAMP DIN32676 AISI 316

BALL VALVES

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX72BMAN-10	VSX72BMAN-15	VSX72BMAN-20	VSX72BMAN-25	VSX72BMAN-32	VSX72BMAN-40
SIZE	50	65	80	100		
PN	16	10	10	10		
CODICE	VSX72BMAN-50	VSX72BMAN-65	VSX72BMAN-80	VSX72BMAN-100		



2 WAY BALL VALVE VSX78MAN DIN 11851 MF - MM

Specifications

- (SIZE RANGE) DN10 TO DN100
- (BODY MATERIALS) INOX 304 -316 PN 16
- (BALL MATERIALS) INOX304-316
- (SEALING MATERIALS) PTFE
- (TEMPERATURE) -10 +100C

ART. VSX78MAN

VALVOLA A SFERA DIN 11851 AISI 304

BALL VALVES

ART. VSX79MAN

VALVOLA A SFERA DIN 11851 AISI 316

BALL VALVES

SUFFIX: C FOR PTFE+FKM E FOR PTFE+EPDM

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX78MAN-10	VSX78MAN-15	VSX78MAN-20	VSX78MAN-25	VSX78MAN-32	VSX78MAN-40
SIZE	50-45	50	60	65	80	100
PN	16	10	10	6	6	6
CODICE	VSX78MAN-45	VSX78MAN-50	VSX78MAN-60	VSX78MAN-65	VSX78MAN-80	VSX78MAN-100

ART. VSX78MFMAN

VALVOLA A SFERA DIN 11851 AISI 304

BALL VALVES

ART. VSX79MFMAN

VALVOLA A SFERA DIN 11851 AISI 316

BALL VALVES

SIZE	10	15	20	25	32	40
PN	16	16	16	16	16	16
CODICE	VSX78MFMAN-10	VSX78MFMAN-15	VSX78MFMAN-20	VSX78MFMAN-25	VSX78MFMAN-32	VSX78MFMAN-40
SIZE	50-45	50	60	65	80	
PN	16	10	10	6	6	
CODICE	VSX78MFMAN-45	VSX78MFMAN-50	VSX78MFMAN-60	VSX78MFMAN-65	VSX78MFMAN-80	



2 WAY BALL VALVE VSX74MAN

Specifications

(SIZE RANGE)	1/4" TO 4" BSP
(BODY MATERIALS)	INOX 304 -316 PN 16
(BALL MATERIALS)	INOX304-316
(SEALING MATERIALS)	PTFE
(TEMPERATURE)	-10 +100C

ART. VSX74MAN
ART. VSX75MAN

VALVOLA A SFERA AISI 304 FILETTATA GAS
VALVOLA A SFERA AISI 316 FILETTATA GAS

BALL VALVES
BALL VALVES

SUFFIX: C FOR PTFE+FKM E FOR PTFE+EPDM

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	16	16	16	16	16	16
CODICE	VSX74MAN-1/4	VSX74MAN-3/8	VSX74MAN-1/2	VSX74MAN-3/4	VSX74MAN-1	VSX74MAN-11/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	16	16	10	10	10	
CODICE	VSX74MAN-11/2	VSX74MAN-2	VSX74MAN-21/2	VSX74MAN-3	VSX74MAN-4	

ON DEMAND



2 WAY BALL VALVE VSX20MAN - GAROLLA

Specifications

(SIZE RANGE)	DN32 TO DN100
(BODY MATERIALS)	INOX 316L PN 40
(BALL MATERIALS)	INOX316
(SEALING MATERIALS)	PTFE
(TEMPERATURE)	-20 +160C



3 WAY BALL VALVE VSX45LMAN

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) INOX 316L PN 40

(BALL MATERIALS) INOX316 L PORT

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C



3 WAY BALL VALVE VSX42MAN L OR T

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 4"

(BODY MATERIALS) INOX 316L PN 100

(BALL MATERIALS) INOX316 L OR T PORT

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C



2 WAY BALL VALVE FLANGED VSX60MAN

Specifications

(SIZE RANGE) DN10 TO D100,

(BODY MATERIALS) INOX PN 40

(BALL MATERIALS) INOX316L

(SEALING MATERIALS) PTFE

(TEMPERATURE) -20 +160C



3 WAY BALL VALVE FLANGED T OR L VSX46MAN

Specifications

- (SIZE RANGE) DN10 TO D100,
- (BODY MATERIALS) INOX PN 40
- (BALL MATERIALS) INOX316L
- (SEALING MATERIALS) PTFE
- (TEMPERATURE) -20 +160C



F/F USX PIN VALVES

Specifications

- (SIZE RANGE) 1/4" TO 1 1/2"
- (BODY MATERIALS) INOX 316L PN 100
- (TEMPERATURE) -20 +160C



F/F USX-PP PIN VALVES PANELING

Specifications

- (SIZE RANGE) 1/4" TO 1 1/2"
- (BODY MATERIALS) INOX 316L PN 100
- (TEMPERATURE) -20 +160C



2 WAY BALL VALVE F/F BUTTERFLY VSXFF - F

Specifications

- (SIZE RANGE) DN08 TO DN100, 1/4" TO 1"
- (BODY MATERIALS) INOX PN 64
- (BALL MATERIALS) INOX316
- (SEALING MATERIALS) PTFE
- (TEMPERATURE) -20 +180C

BUTTERFLY SANITARY VALVES INOX

BUTTERFLY VALVES CLAMP VFX10MAN - VFX15MAN



Specifications

(SIZE RANGE) DN15 TO D100, 1/2-4

(BODY MATERIALS) INOX PN 6

(BALL MATERIALS) INOX304/316

(SEALING MATERIALS) MSV-FKM-EPDM

(TEMPERATURE) -50 +200C

ART. VFX10BMAN CLAMP BS AISI 304

ART. VFX15BMAN CLAMP BS AISI 316

SUFFIX: S = SILICONE - MVQ F = VITON FKM E = EPDM

BUTTERFLY VALVES

SIZE	1/2	3/4	1	1 1/2	2	1 1/2
PN	7	7	7	7	7	7
CODICE	VFX10BMAN-1/2	VFX10BMAN-3/4	VFX10BMAN-1	VFX10BMAN-11/2	VFX10BMAN-2	VFX10BMAN-21/2
SIZE	3	4				
PN	7	7				
COD	VFX10BMAN-3	VFX10BMAN-4				

ART. VFX10IMAN CLAMP ISO 2852 AISI 304

ART. VFX15IMAN CLAMP ISO 2852 AISI 316

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX10IMAN-15	VFX10IMAN-20	VFX10IMAN-25	VFX10IMAN-32	VFX10IMAN-40	VFX10IMAN-50
SIZE	65	80	100			
PN	7	7	7			
COD	VFX10IMAN-65	VFX10IMAN-80	VFX10IMAN-100			

ART. VFX10MAN CLAMP DIN 32676 AISI 304

ART. VSX15MAN CLAMP DIN 32676 AISI 316

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX10MAN-15	VFX10MAN-20	VFX10MAN-25	VFX10MAN-32	VFX10MAN-40	VFX10MAN-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX10MAN-65	VFX10MAN-80	VFX10MAN-100			



BUTTERFLY VALVES DIN 11851 VFX20DMAN - VFX25DMAN



Specifications

(SIZE RANGE) DN15 TO D100,
 (BODY MATERIALS) INOX PN 6
 (BALL MATERIALS) INOX304/316
 (SEALING MATERIALS) MSV-FKM-EPDM
 (TEMPERATURE) -50 +200C

ART. VFX20DMAN DIN11851 AISI 304
 ART. VFX25DMAN DIN11851 AISI 316

SUFFIX: S = SILICONE – MVQ F = VITON FKM E = EPDM

BUTTERFLY VALVES WITH BRACKET

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX20DMAN-15	VFX20DMAN-20	VFX20DMAN-25	VFX20DMAN-32	VFX20DMAN-40	VFX20DMAN-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX20DMAN-65	VFX20DMAN-80	VFX20DMAN-100			

ART. VFX20MMAN DIN MF 11851 AISI 304
 ART. VFX25MMAN DIN MF 11851 AISI 316

SIZE	15	20	25	32	40	50
PN	7	7	7	7	7	7
CODICE	VFX20MMAN-15	VFX20MMAN-20	VFX20MMAN-25	VFX20MMAN-32	VFX20MMAN-40	VFX20MMAN-50
SIZE	65	80	100			
PN	7	7	7			
CODICE	VFX20MMAN-65	VFX20MMAN-80	VFX20MMAN-100			



BUTTERFLY VALVES ISO228 BSP VFX30MAN - VFX35MAN



Specifications

- (SIZE RANGE) DN25 TO D100,
- (BODY MATERIALS) INOX PN 6
- (BALL MATERIALS) INOX304/316
- (SEALING MATERIALS) MSV-FKM-EPDM
- (TEMPERATURE) -50 +200C

ART. VFX30MAN
ART. VFX35MAN

BSP AISI 304
BSP AISI 316

BALL VALVES
BALL VALVES

SIZE	1/2	3/4	1	1 1/2	2	2 1/2
PN	7	7	7	7	7	7
CODICE	VFX30-1/2MAN	VFX30-3/4MAN	VFX30-1	VFX30-11/2MAN	VFX30-2MAN	VFX30-21/2MAN
SIZE	3	4				
PN	7	7				
CODICE	VFX30-3MAN	VFX30-4MAN				



HANDLE FOR BUTTERFLY VALVES



100% INOX COLD SWAGED HANDLE 1.110.99.00-A



MULTIPOSITIONS-LOCKING HANDLE INOX 1.160.99.00-A
BACHELITE 1.160.99.10-A



HANDLE WITH TRACTION RELEASER INOX 1.150.99.10-A
BACHELITE BLUE 1.150.99.00-A

ON DEMAND



BUTTERFLY VALVES WELDED VFX40MAN - VFX45MAN

Specifications

- (SIZE RANGE) DN25 TO D100
- (BODY MATERIALS) INOX PN 6
- (BALL MATERIALS) INOX304/316
- (SEALING MATERIALS) MSV-FKM-EPDM
- (TEMPERATURE) -50 +200C

STRAINER INOX



Y STRAINER VSUX - 657

Specifications

- (SIZE RANGE) DN08 TO DN100, 1/4" TO 2"
- (BODY MATERIALS) INOX PN 50
- (MESH) INOX
- (TEMPERATURE) -20 +180C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	50	50
CODICE	VSUX-657-1/4	VSUX-657-3/8	VSUX-657-1/2	VSUX-657-3/4	VSUX-657-1	VSUX-657-11/4
SIZE	1 1/2	2				
PN	50	50				
CODICE	VSUX-657-11/2	VSUX-657-2				

CHECK VALVES INOX



Y CHECK VALVES XYDC

Specifications

(SIZE RANGE) DN08 TO DN100, 1/4" TO 2"

(BODY MATERIALS) INOX PN 50

(TEMPERATURE) -20 +180C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	50	50
CODICE	XYDC-1/4	XYDC-3/8	XYDC-1/2	XYDC-3/4	XYDC-1	XYDC-11/4
SIZE	1 1/2	2				
PN	50	50				
CODICE	XYDC-11/2	XYDC-2				



DISC WAFER CAM656

Specifications

(SIZE RANGE) DN15 TO DN200,

(BODY MATERIALS) INOX PN 40

(TEMPERATURE) -20 +350C

SIZE	15	20	25	32	40	50
PN	40	40	40	40	40	40
CODICE	CAM656-15	CAM656-20	CAM656-25	CAM656-32	CAM656-40	CAM656-50
SIZE	65	80	100	125	150	200
PN	40	40	40	40	40	40
CODICE	CAM656-65	CAM656-80	CAM656-100	CAM656-125	CAM656-150	CAM656-200



SWING CHECK VALVES CAM654

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) INOX PN 16

(TEMPERATURE) -20 +180C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	50	50	50	50	50	50
CODICE	CAM654-1/4	CAM654-3/8	CAM654-1/2	CAM654-3/4	CAM654-1	CAM654-11/4
SIZE	1 1/2	2				
PN	50	50				
CODICE	CAM654-11/2	CAM654-2				



DUAL - PLATE WAFER D6.622

Specifications

(SIZE RANGE) D40 TO DN600,

(BODY MATERIALS) INOX PN 16

(SEAL) FKM

(TEMPERATURE) -20 +100C

OPTIONS

(SEAL) METAL/METAL D6.626

SIZE	40	50	65	80	100	125
PN	40	40	40	40	40	40
CODICE	D6.622-40	D6.622-50	D6.622-65	D6.622-80	D6.622-100	D6.622-125
SIZE	150	200	250	300	350	400
PN	40	40	40	40	40	40
CODICE	D6.622-150	D6.622-200	D6.622-250	D6.622-300	D6.622-350	D6.622-400



SWING WAFER CAM687 WITHOUT SPRING

Specifications

(SIZE RANGE) DN32 TO DN300,

(BODY MATERIALS) INOX PN 16

(SEAL) FKM

(TEMPERATURE) -20 +150C

SIZE	32	40	50	65	80	100
PN	40	40	40	40	40	40
CODICE	CAM687-32	CAM687-40	CAM687-50	CAM687-65	CAM687-80	CAM687-100
SIZE	125	150	200	250	300	
PN	40	40	40	40	40	
CODICE	CAM687-125	CAM687-150	CAM687-200	CAM687-250	CAM687-300	



SWING WAFER M6.622 WITH SPRING

Specifications

(SIZE RANGE) DN32 TO DN300,
 (BODY MATERIALS) INOX PN 16
 (SEAL) FKM
 (TEMPERATURE) -20 +150C

SIZE	32	40	50	65	80	100
PN	40	40	40	40	40	40
CODICE	M6.622-32	M6.622-40	M6.622-50	M6.622-65	M6.622-80	M6.622-100
SIZE	125	150	200	250	300	
PN	40	40	40	40	40	
CODICE	M6.622-125	M6.622-150	M6.622-200	M6.622-250	M6.622-300	



CHECK VALVES XDC

Specifications

(SIZE RANGE) 1/8-1/2,
 (BODY MATERIALS) INOX316L PN 10
 (SEAL) FKM
 (TEMPERATURE) -20 +150C

SIZE	1/8	1/4	3/8	1/2
PN	10	10	10	10
CODICE	XDC-1/8	XDC-1/4	XDC-3/8	XDC-1/2



CHECK VALVES CAM655

Specifications

(SIZE RANGE) 1/4- 4",
 (BODY MATERIALS) INOX PN 64
 (SEAL) PTFE
 (TEMPERATURE) -25 +180C

SIZE	1/4	3/8	1/2	3/4	1	1 1/4
PN	64	64	64	64	64	64
CODICE	CAM655-1/4	CAM655-3/8	CAM655-1/2	CAM655-3/4	CAM655-1	CAM655-1 1/4
SIZE	1 1/2	2	2 1/2	3	4	
PN	64	64	64	64	64	
CODICE	CAM655-1 1/2	CAM655-2	CAM655-2 1/2	CAM655-3	CAM655-4	

SWIVEL - BELLOW - GLOBE VALVES CAST IRON

SWIVEL GLOBE SHUT - OFF VALVE CAM281

Specifications

(SIZE RANGE) DN15 TO DN250

(BODY MATERIALS) CAST IRON PN 16

(PAKING) GRAPHITE

(TEMPERATURE) -10 +120C



SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAM281-15	CAM281-20	CAM281-25	CAM281-32	CAM281-40	CAM281-50
SIZE	65	80	100	125	150	200
PN	16	16	16	16	16	16
CODICE	CAM281-65	CAM281-80	CAM281-100	CAM281-125	CAM281-150	CAM281-200

BELLOW GLOBE SHUT - OFF VALVE CAM288

Specifications

(SIZE RANGE) DN15 TO DN200

(BODY MATERIALS) CAST IRON PN 16

(PAKING) GRAPHITE

(TEMPERATURE) -10 +350C



SIZE	15	20	25	32	40	50
PN	16	16	16	16	16	16
CODICE	CAM288-15	CAM288-20	CAM288-25	CAM288-32	CAM288-40	CAM288-50
SIZE	65	80	100	125	150	200
PN	16	16	16	16	16	16
CODICE	CAM288-65	CAM288-80	CAM288-100	CAM288-125	CAM288-150	CAM288-200

CHECK VALVES CAST IRON



CAST IRON SPRIN CHECK VALVES SERIE 05

Specifications

(SIZE RANGE) DN 16 TO DN300,
 (BODY MATERIALS) CAST IRON PN 16
 (TRIM MATERIALS) BRASS-AISI316
 (SEALING MATERIALS) NBR – FKM - RUBBER
 (TEMPERATURE) -10 +70C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	F5.000-40	F5.000-50	F5.000-65	F5.000-80	F5.000-100	F5.000-125
SIZE	150	200	250	300		
PN	16	16	16	16		
CODICE	F5.000-150	F5.000-200	F5.000-250	F5.000-300		



THREADED CHECK VALVES SERIE T5.000

Specifications

(SIZE RANGE) DN50 TO DN100,
 (BODY MATERIALS) CAST IRON PN16
 (SEALING MATERIALS) NBR
 (TRIM MATERIALS) BRASS
 (TEMPERATURE) -10 +70C

OPTIONS
 (SEALING MATERIALS) T5.002 FKM

SIZE	2	2 1/2	3	4
PN	16	16	16	16
CODICE	XDC-1/8	XDC-1/4	XDC-3/8	XDC-1/2



DISC WAFER CHECK VALVES W6.020

Specifications

(SIZE RANGE) DN32 TO DN125,
 (BODY MATERIALS) CAST IRON PN16
 (SEALING MATERIALS) NBR
 (DISK MATERIALS) INOX
 (TEMPERATURE) -10 +70C

SIZE			25	32	40	50
PN			16	16	16	16
CODICE			W6.020-25	W6.020-32	W6.020-40	W6.020-50
SIZE	65	80	100	125	150	
PN	16	16	16	16	16	
CODICE	W6.020-65	W6.020-80	W6.020-100	W6.020-125	W6.020-150	



DUAL PLATE WAFER CHECK VALVES D6.021

Specifications

(SIZE RANGE) DN16 TO DN600,
 (BODY MATERIALS) CAST IRON PN16
 (SEALING MATERIALS) EPDM
 (DISK MATERIALS) INOX 316
 (TEMPERATURE) -10 +70C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	D6.021-40	D6.021-50	D6.021-65	D6.021-80	D6.021-100	D6.021-125
SIZE	150	200	250	300	350	400
PN	16	16	16	16	16	16
CODICE	D6.021-150	D6.021-200	D6.021-250	D6.021-300	D6.021-350	D6.021-400



DUAL PLATE WAFER CHECK VALVES D6.031

Specifications

(SIZE RANGE) DN16 TO DN600,
 (BODY MATERIALS) CAST IRON PN16
 (SEALING MATERIALS) EPDM
 (DISK MATERIALS) IRON
 (TEMPERATURE) -10 +70C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	D6.031-40	D6.031-50	D6.031-65	D6.031-80	D6.031-100	D6.031-125
SIZE	150	200	250	300	350	400
PN	16	16	16	16	16	16
CODICE	D6.031-150	D6.031-200	D6.031-250	D6.031-300	D6.031-350	D6.031-400



BALL CHECK INSPECTION COVER F7.100

Specifications

(SIZE RANGE) DN50 TO DN500,
 (BODY MATERIALS) CAST IRON PN16
 (BALL MATERIALS) NBR
 (TEMPERATURE) -10 +70C

SIZE		50	65	80	100	125
PN		16	16	16	16	16
CODICE		F7.100-50	F7.100-65	F7.100-80	F7.100-100	F7.100-125
SIZE	150	200	250	300	350	400
PN	16	16	16	16	16	16
CODICE	F7.100-150	F7.100-200	F7.100-250	F7.100-300	F7.100-350	F7.100-400



BALL CHECK INSPECTION COVER T7.100

Specifications

(SIZE RANGE) DN25 TO DN50 THREADED
 (BODY MATERIALS) CAST IRON PN16
 (BALL MATERIALS) NBR
 (TEMPERATURE) -10 +70C

SIZE	1	1 1/4	1 1/2	2	2 1/2	3
PN	16	16	16	16	16	16
CODICE	T7.100-1	T7.100-11/4	T7.100-11/2	T7.100-2	T7.100-21/2	T7.100-3



SWING WAFER CHECK VALVE S6.000

Specifications

(SIZE RANGE) DN40 TO DN300,
 (BODY MATERIALS) CAST IRON PN16/10
 (SEALING MATERIALS) EPDM
 (TEMPERATURE) -10 +100C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	S6.000-40	S6.000-50	S6.000-65	S6.000-80	S6.000-100	S6.000-125
SIZE	150	200	250	300		
PN	16	16	16	16		
CODICE	S6.000-150	S6.000-200	S6.000-250	S6.000-300		



VENTURI CHECK VALVE SERIE M16.000

Specifications

(SIZE RANGE) DN40 TO DN600,
 (BODY MATERIALS) CAST IRON PN16
 (SHUTTER MATERIALS) AISI 304
 (TEMPERATURE) 0 +90C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	M16.000-40	M16.000-50	M16.000-65	M16.000-80	M16.000-100	M16.000-125
SIZE	150	200	250	300	350	400
PN	16	16	16	16		
CODICE	M16.000-150	M16.000-200	M16.000-250	M16.000-300	M16.000-350	M16.000-400

SOFT GATE VALVES DUCTILE IRON



SOFT SEATED GATE VALVE 20.900

Specifications

(SIZE RANGE) DN16 TO DN300
 (BODY MATERIALS) DUCTIL IRON PN 16
 DN200-DN250-DN300 PN16/PN10
 (STEAM) AISI 420
 (SEALING MATERIALS) EPDM
 (TEMPERATURE) -10 +85C

OPTIONS
 (SEALING MATERIALS) 20.901 NBR

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	20.900-40	20.900-50	20.900-65	20.900-80	20.900-100	20.900-125
SIZE	150	200	250	300		
PN	16	16/10	16/10	16/10		
CODICE	20.900-150	20.900-200	20.900-250	20.900-300		



SOFT SEATED GATE VALVE 20E900

Specifications

(SIZE RANGE) DN16 TO DN300

(BODY MATERIALS) DUCTIL IRON PN 16

(STEAM) AISI 420

(SEALING MATERIALS) EPDM

(TEMPERATURE) -10 +85C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	20E900-40	20E900-50	20E900-65	20E900-80	20E900-100	20E900-125
SIZE	150	200	250	300		
PN	16	16	16	16		
CODICE	20E900-150	20E900-200	20E900-250	20E900-300		



SOFT SEATED GATE VALVE 21.900

Specifications

(SIZE RANGE) DN16 TO DN300

(BODY MATERIALS) DUCTIL IRON

(STEAM) AISI 420

(SEALING MATERIALS) EPDM

(TEMPERATURE) -10 +85C

SIZE	40	50	65	80	100	125
PN	16	16	16	16	16	16
CODICE	21.900-40	21.900-50	21.900-65	21.900-80	21.900-100	21.900-125
SIZE	150	200	250	300		
PN	16	16	16	16		
CODICE	21.900-150	21.900-200	21.900-250	21.900-300		

CARBON STEEL VALVES



2 WAY BALL VALVE C160MAN

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) A105 PN 500

(DISC MATERIALS) A105

(SEALING MATERIALS) POM

(TEMPERATURE) -20 +100C

ART.C160MAN VALVOLA A SFERA A105 – BALL VALVES

SIZE	1/4	3/8	1/2	3/4	1	
PN	500	500	500	400	400	
CODICE	C160MAN-1/4	C160MAN-3/8	C160MAN-1/2	C160MAN-3/4	C160MAN-1	



3 WAY BALL VALVE C161LMAN - C162TMAN

Specifications

(SIZE RANGE) DN08 TO DN50, 1/4" TO 2"

(BODY MATERIALS) A105 PN 500

(DISC MATERIALS) A105

(SEALING MATERIALS) POM

(TEMPERATURE) -20 +100C

ART.C161LMAN-162TMAN VALVOLA A SFERA A105 – BALL VALVES

SIZE	1/4	3/8	1/2	3/4	1	
PN	500	500	500	400	400	
161-L	C161LMAN-1/4	C161LMAN-3/8	C161LMAN-1/2	C161LMAN-3/4	C161LMAN-1	
162-T	C162TMAN-1/4	C162TMAN-3/8	C162TMAN-1/2	C162TMAN-3/4	C162TMAN-1	

RUBBER



SOLID RUBBER JOINT EPDM CAM287

Specifications

(SIZE RANGE) DN32 TO DN150,
(BODY MATERIALS) EPDM PN10/16

SIZE	32	40	50	65	80	100
PN	16	16	16	16	16	16
CODICE	CAM287-32	CAM287-40	CAM287-50	CAM287-65	CAM287-80	CAM287-100
SIZE	125	150				
PN	16	16				
CODICE	CAM287-125	CAM287-150				



FLANGED RUBBER FLEXIBLE JOINT CAM697

Specifications

(SIZE RANGE) DN32 TO DN300,
(BODY MATERIALS) EPDM PN 16

SIZE	32	40	50	65	80	100
PN	16	16	16	16	16	16
CODICE	CAM287-32	CAM287-40	CAM287-50	CAM287-65	CAM287-80	CAM287-100
SIZE	125	150				
PN	16	16				
CODICE	CAM287-125	CAM287-150				



THREADED RUBBER JOINT CAM 696

Specifications

(SIZE RANGE) 3/4 TO 3",
(BODY MATERIALS) EPDM PN10

SIZE				3/4	1	1 1/4
PN				16	16	16
CODICE				CAM696-3/4	CAM696-1	CAM696-11/4
SIZE	1 1/2	2	2 1/2	3		
PN	16	16	16	16		
CODICE	CAM696-11/2	CAM696-2	CAM696-21/2	CAM696-3		



TECNICAL INFORMATION

AISI 316 and CF-8M Stainless steel. Magnetic test.

ing (rolling, extrusion, etc.); castings grade ASTM A351 CF-8M, which can be considered equivalent to AISI 316 for corrosion resistance and mechanical properties can show a magnetic behavior (magnet sticks).

Austenitic microstructure means non-magnetic material (magnet does not stick), while a steel with ferritic microstructure shows magnetic properties (magnet sticks).

Grade 316 stainless steel is obtained from hot forming or forging (e.g. tubes, bars, plates, sheets) and has

and Manganese (which have an austenitizing effect), and a higher content of Chrome (which promotes the formation of a ferritic structure), and therefore in A351 CF-8M cast products a certain amount of ferrite is present (5-20%). Ferrite is useful because it increases mechanical strength and corrosion resistance, and

this makes the material magnetic.

For comparison the typical chemical composition of AISI 316 and CF-8M

	Carbon C	Manganese Mn	Silicone Si	Phosphorus P	Sulphur S	Nickel Ni	Chrome Cr	Molybdenum Mo
AISI 316	0.08 max	2.00 max	1.00 max	0.045 max	0.03 max	10-14	16-18	2-3
CF-8M	0.08 max	1.50 max	1.50 max	0.040 max	0.04 max	9-12	18-21	2-3



Acciai inox AISI 316 e CF-8M. Caratterizzazione. Prova della calamita

Riguardo alla prova della calamita per distinguere l'acciaio inox AISI 316 da altri tipi di acciaio inossidabile (tipicamente dall'AISI 304) occorre considerare che questa prova è valida solo su prodotti ottenuti per

esempio secondo lo standard ASTM A351 CF8-M, ha caratteristiche simili per quanto riguarda resistenza

che un comportamento magnetico e ciò può portare ad avviare reclami o scartare il materiale anche in presenza di materiale conforme.

Prima di chiarire quanto detto sopra occorre considerare che il comportamento magnetico o meno dipende dalla microstruttura. Se austenitica il comportamento è non magnetico, mentre se ferritica (in tutto o in parte) si riscontra un comportamento magnetico.

L'acciaio inox tipo 316 propriamente detto è quello ottenuto per formatura o forgiatura, quindi per prodotti come barre, tubolari, piatti, lamiere etc. Gli acciai di grado 316 per lavorazione a caldo hanno una composizione bilanciata in modo da renderli completamente austenitici; questo perché la microstruttura austenitica è più duttile e meno dura e ciò rende le lavorazioni per deformazione plastica più facili ed

della lavorazione per deformazione, migliorano la minor resistenza meccanica ed alla corrosione che è minore per la microstruttura austenitica rispetto alla ferritica, dovuto in larga parte al minor contenuto di Cromo.

Per il grado da fusione CF-8M, invece, la composizione è differente rispetto al grado 316, con un minor contenuto di Nichel e Manganese (elementi di lega con effetto austenitizzante) ed un maggior contenuto di Cromo (elemento di lega che favorisce la formazione di ferrite), e pertanto nei particolari fusi è presente una percentuale di ferrite che può andare dal 5 al 20%. La presenza di ferrite è utile perché oltre a migliorare la resistenza meccanica e la resistenza alla corrosione, riduce i rischi di formazione di cricche e fessurazioni durante il raffreddamento dei pezzi. Questo d'altra parte rende il prodotto da fusione magnetico.

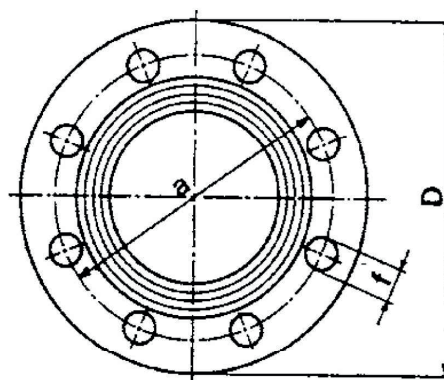
	Carbonio C	Manganese Mn	Silicio Si	Fosforo P	Zolfo S	Nichel Ni	Cromo Cr	Molibdeno Mo
AISI 316	0.08 max	2.00 max	1.00 max	0.045 max	0.03 max	10-14	16-18	2-3
CF-8M	0.08 max	1.50 max	1.50 max	0.040 max	0.04 max	9-12	18-21	2-3

Dimensioni di accoppiamento (in mm) delle flange pe pressioni nominali **FLANGE UNI-DIN**

DN	PN6				PN10				PN16				PN25				PN40				PN63				PN100				PN160			
	FORI				FORI				FORI				FORI				FORI				FORI				FORI							
D	N.	f	a	D	N.	f	a	D	N.	f	a	D	N.	f	a	D	N.	f	a	D	N.	f	a	D	N.	f	a	D	N.	f	a	
10	75	4	11	50	90	4	14	60	90	4	14	60	90	4	14	60	90	4	14	60	100	4	14	70	100	4	14	70	100	4	14	70
15	80	4	11	55	95	4	14	65	95	4	14	65	95	4	14	65	95	4	14	65	105	4	14	75	105	4	14	75	105	4	14	75
20	90	4	11	65	105	4	14	75	105	4	14	75	105	4	14	75	105	4	14	75	130	4	18	90	130	4	18	90	130	4	18	90
25	100	4	11	75	115	4	14	85	115	4	14	85	115	4	14	85	115	4	14	85	140	4	18	100	140	4	18	100	140	4	18	100
32	120	4	14	90	140	4	18	100	140	4	18	100	140	4	18	100	140	4	18	100	155	4	22	110	155	4	22	110	155	4	22	110
40	130	4	14	100	150	4	18	110	150	4	18	110	150	4	18	110	150	4	18	110	170	4	22	125	170	4	22	125	170	4	22	125
50	140	4	14	110	165	4	18	125	165	4	18	125	165	4	18	125	165	4	18	125	180	4	22	135	195	4	25	145	195	4	25	145
65	160	4	14	130	185	4	18	145	185	4	18	145	185	4	18	145	185	4	18	145	205	4	22	160	220	4	25	170	220	4	25	170
80	190	4	18	150	200	4	18	160	200	4	18	160	200	4	18	160	200	4	18	160	215	4	22	170	230	4	25	180	230	4	25	180
100	210	4	18	170	220	4	18	180	220	4	18	180	235	4	22	190	235	4	22	190	250	4	25	200	265	4	30	210	265	4	30	210
125	240	4	18	200	250	4	18	210	250	4	18	210	270	4	26	220	270	4	26	220	295	4	30	240	315	4	33	250	315	4	33	250
150	265	4	18	225	285	4	22	240	285	4	22	240	300	4	26	250	300	4	26	250	345	4	33	280	355	4	33	290	355	4	33	290
200	320	4	18	280	340	4	22	295	340	4	22	295	360	4	26	310	375	4	30	320	415	4	36	345	430	4	36	360	430	4	36	360
250	375	12	18	335	395	12	22	350	405	12	26	355	425	12	30	370	450	12	33	385	470	12	36	400	505	12	39	430	515	12	42	430
300	440	12	22	395	445	12	22	400	460	12	26	410	485	16	30	430	515	16	33	450	530	16	36	460	585	16	42	500	585	16	42	500
350	490	12	22	445	505	16	22	460	520	16	26	470	555	16	33	490	580	16	36	510	600	16	39	525	655	16	48	560				
400	540	16	22	495	565	16	26	515	580	16	30	525	620	16	36	550	660	16	39	585	670	16	42	585	715	16	48	620				
(450)	595	16	22	550	615	20	26	565	640	20	30	585	670	20	36	600	685	20	39	610	715	20	42	630	770	20	48	675				
500	645	20	22	600	670	20	26	620	715	20	33	650	730	20	36	660	755	20	42	670	800	20	48	705	870	20	56	760				
600	755	20	25	705	780	20	30	725	840	20	36	770	845	20	39	770	890	20	48	795	930	20	56	820	990	20	62	875				

FLANGE ANSI

pollici	ANSI 150				ANSI 300				ANSI 600			
	FORI				FORI				FORI			
D	N.	f	a	D	N.	f	a	D	N.	f	a	
1/2	89	4	16	61	95	4	16	67	95	4	16	67
3/4	98	4	16	70	118	4	19	83	118	4	19	83
1	108	4	16	80	124	4	19	89	124	4	19	89
1 1/4	118	4	16	89	133	4	19	99	133	4	19	99
1 1/2	127	4	16	99	156	4	23	115	156	4	23	115
2	150	4	19	121	165	8	19	127	165	8	19	127
2 1/2	178	4	19	140	191	8	23	150	191	8	23	150
3	191	4	19	153	210	8	23	169	210	8	23	169
4	229	8	19	191	254	8	23	200	273	8	26	216
5	254	8	23	216	279	8	23	235	330	8	29	267
6	279	8	23	242	318	12	23	270	356	12	29	293
8	343	8	23	299	381	12	26	331	419	12	32	350
10	406	12	26	362	445	16	29	388	508	16	35	432
12	483	12	26	432	521	16	32	451	559	20	35	489
14	533	12	29	477	584	20	32	515	603	20	38	527
16	597	16	29	540	648	20	35	572	686	20	42	604
18	635	16	32	578	711	24	35	629	743	20	45	654
20	699	20	32	635	775	24	35	686	813	24	45	724
24	813	20	35	750	914	24	42	813	940	24	51	839



Compatibilità chimica dei materiali rispetto alle sostanze chimiche indicate

Informazioni

Legenda	PTFE	NBR	VITON	EPDM	CR (NEOPRENE)	VMQ (SILICONE)	NORYL	GG25	GG40	OTTONE	BRONZO	BRONZO ALLUMINIO	ACCIAIO CARBONIO	AISI 304	AISI 316
Acetilene	A	A	A	A	B	A		A	A	B	C	C	A	A	A
Acetone	A	D	D	A	C	D	D	B	A	A	A	A	B	A	A
Acidi Grassi	A	C	A	C	B	C	C	D	D	C	C	B	C	A	A
Acido Acetico	A	D	C	B	C	B	B	D	D	C	C	C	D	B	A
Acido Carbonico	A	B	A	A	A	A	A	D	D		C		D	A	B
Acido Citrico	A	D	A	A	A	A	A	D	D	C	C	B	C	A	A
Acido Cloridrico (20%)	A	C	A	A	C	C	D	D	D	D	C	A	D	D	D
Acido Cloridrico (37% Caldo)	A	D	B	C	D	C	D	D	D	D	C	B	D	D	D
Acido Cloridrico (37% Freddo)	A	C	A	C	C	C	D	D	D	D	C	A	D	D	D
Acido Fluoridrico (20%)	A	D	A	A	C	D		D	D	D	C		D	D	D
Acido Fluoridrico (75%)	A	D	A	C	C	D		D	D	D	C		D	D	D
Acido Fluoridrico (100% Freddo)	A	D	A	C	D	D		D	D	D	C		D	D	D
Acido Fluoridrico (100% Caldo)	A	D	B	D	D	D		D	D	D	C		D	D	D
Acido Formico	A	D	C	A	D	B	A	D	D	B	B	B	B	A	B
Acido Fosforico (40%)	A	D	A	B	D	D	A	D	D	D	C	D	C	B	A
Acido Fosforico (40-100%)	A	D	B	B	D	D	A	D	D	D	C	D	C	C	B
Acido Fosforico (Crudo)	A	D	A	B	D	D	A	C	D	D	C	D	C	D	C
Acido Nitrico (5-10%)	A	D	A	B	D	D	A	D	D	D	C	D	C	A	A
Acido Nitrico (20%)	A	D	A	D	D	D	A	D	D	D	C	D	C	A	A
Acido Nitrico (50%)	A	D	A	D	D	D	A	D	D	D	C	D	C	A	A
Acido Nitrico (Concentrato)	A	D	B	D	D	D	C	D	D	D	C	D	C	D	B
Acido Nitroso	A	D	B	D	D	D		D	D	D	C	D	D	A	A
Acido Solforico (10%)	A	C	A	D	C	C	A	D	D	D	B	B	C	C	C
Acido Solforico (10-75%)	A	D	A	D	C	D	B	D	D	D	B	B	C	C	C
Acido Solforico (75-100%)	A	D	B	D	D	D	D	D	D	D	B	B	C	C	C
Acido Solforoso	A	C	A	B	B	B		C	D	C	B	C	C	B	B
Acqua Ammoniacale	A	B	C	A	A	A	A	B	A	D		B	C	A	A
Acqua di Mare	A	A	A	A	B	A	A	D	D	C	B	A	D	A	A
Acqua di Piscina	A	B	A	A	C						A	A	A	A	A
Acqua distillata, demineralizzata, de-ionizzata	A	A	A	A	B	A	A	D	D	A	A		D	A	A
Acqua emulsionata (acqua bianca)	A	A	A	D	B	C		A	A	A	A	A	A	A	A
Acqua Saponata - Soluzioni di Sapone	A	A	A	A	B	A		B	B	A			A	A	A
Acque Acide	A	A	C	A	B	D	A	D	C	D	C		D	A	A
Acque Bianche (da Cartiera)	A		A		A									A	A
Alcol Etilico	A	A	A	B	A	A	A	B	A	B	A	B	B	A	A
Alcol Metilico	A	B	B	A	A	A	A	B	A	B	A	B	B	A	A
Alcol Propilico	A	A	A	A	A	A	A	B	B	A	A	B	B	A	A
Ammine	A	D	D	B	B	A		A	A	B			A	A	A
Ammoniaca (10%)	A	D	D	A	A	A	A	A	A	D	C	B	A	A	A
Ammoniaca, Anidra	A	B	D	A	A	A		B	D	D	A	B	C	B	A
Anilina	A	D	C	B	D	B	D	B	B	D	C	C	C	A	A
Antigelo	A	A	A	A	C	A	A		A					A	A
Bagni per Placcature: Argentatura	A	A	A	A	A	D									A
Bagni per Placcature: Cromatura	A	D	C	A	D	D									C
Bagni per Placcature: Nichelatura	A	A	A		A	D									C
Benzene	A	D	A	D	D	D	D	B	B	B	A	A	A	A	A
Benzina	A	C	A	D	D	D	D	B	A	A	A	A	B	A	A
Benzolo, Alcool Benzilico	A	D	A	B	B	B	A	B	A	B	A	A	B	A	A
Bicarbonato di Potassio	A	A	A	A	A	A	A	B	D	B	B	B	B	A	B
Bicarbonato di Sodio	A	A	A	A	A	A		C	C	B	B	A	C	A	A
Biossido di Carbonio	A	A	B	B	B	A	A	B	D	A	B		C	A	A
Biossido di Zolfo	A	D	A	A	B	B	D		A	D	B		C	A	A
Butano	A	A	A	D	B	A	D	A	C	A	A	A	A	A	A
Candeggina	A	C	A	B	B	D			D					A	A
Carburante Avio (JP3, JP4, JP5)	A	A	A	D	D	D	D	B	A	A	B	A	A	A	A
Cherosene	A	A	A	D	D	D	D	B	A	A	B	A	B	A	A
Chetoni	A	D	D	D	D	D	D	A	A	A	B		A	A	A
Cloro (Liquido Anidro)	A	D	A	B	D	D		C	C	D	C		C	D	D
Detergenti	A	A	A	A	B	C		B	C	B				A	A
Diserbanti	A	B	A		C									A	A
Esano	A	A	A	D	B	B	D	B	B	A	A	A	A	A	A
Etano	A	A	A	D	B	B	D	B	B	B	A	A	A	B	A
Freon 11	A	C	B	D	D	C		C	C	B	A		A	A	A

Legenda	PTFE	NBR	VITON	EPDM	CR (NEOPRENE)	VMQ (SILICONE)	NORYL	GG25	GG40	OTTONE	BRONZO	BRONZO ALLUMINIO	ACCIAIO CARBONIO	AISI 304	AISI 316
Freon 113	A	A	B	D	A	D		C		B	A		A	A	A
Freon 12 (Soluzione Acquosa)	A	A	A	B	B	D		B		A	A		A	A	D
Freon 22	A	D	D	A	A	D		B		A	A		A	A	A
Freon T.F.	D	A	A	D	A	D		C		B	A		A	A	A
Fluoro	A	D	B	C	C	D			D		C		B	D	D
Formaldeide	A	C	D	B	D	B	A	C	D	A	A	A	B	A	A
Gasolio (Diesel)	A	B	A	D	D	D	C	A	A	A	B		C	A	A
Glicerina	A	A	A	A	A	A	A	B	B	B	A	B	B	A	A
Glicole, Glicole Etilenico	A	A	A	A	A	A	A	B	B	B	A	A	A	A	A
Glicole Propilenico	A	A	A	A	C	A	A	B	B	B	A		B	B	A
Idrocarburi Aromatici	A	D	A	D	D	D	D	A	A	A	A	A	A	A	A
Idrogeno Gas	A	A	A	B	A	C			B		A	D	D	A	A
Idrogeno Solforato (Secco)	A		D	A	C	C		C	B	C	A		C	C	A
Idrogeno Solforato (Soluzione Acquosa)	A	C	D	A	B	C		D	D	D	C		D	A	A
Idrossido di Potassio	A	B	D	A	A	C		C	C	D	B		B	B	B
Idrossido di Sodio (Soda Caustica, 20%)	A	A	B	A	B	A	A	B	A	A	B	D	B	A	A
Idrossido di Sodio (Soda Caustica, 50%)	A	D	C	A	C	A	A	B	B	A	B	D	B	A	B
Idrossido di Sodio (Soda Caustica, 80%)	A	D	C	C	C	A	A	B	C	B	B	D	B	A	C
Inchiostro	A	A	A	A	A	A		D	D				D	A	A
Inibitori della ruggine	A	A	A		C				A					A	A
Ipoclorito di Sodio (20%)	A	C	A	A	D	B		D	D	D	C	D	D	C	C
Ipoclorito di Sodio	A	B	A	A	D	B		D	D	D	C	D	D	D	A
Lacche, Vernici	A	D	D	D	D	D		C	C	A	A		C	A	A
Liquidi base Tannino, per Concia	A	C	A	B	A	B					B	A	C	A	A
Liquidi Zuccherini	A	A	A	C	B	A	A	C	B	A	A		D	A	A
Lubrificanti	A	A	A	D	D	B	D	A	A	B	B	B	A	A	A
Metano	A	A	A	D	B	B	D	B	B	B	A	A	A	B	A
Nafta	A	B	A	D	D	D	D	B	B	B	B	A	B	A	A
Naftalene (Naftalina)	A	D	A	D	D	D	D	B	B	B	B	A	B	A	B
Oli Combustibili	A	A	A	D	B	D	D	B	B	B	B		C	A	A
Oli Idraulici (base Petrolio)	A	A	A	D	B	B	D	B	A	B	B	B	A	A	A
Oli Idraulici (base Sintetica)	A	C	A	C	B	B	D	B	A	B	B	B	A	A	A
Oleum (Acido Solforico Fumante 25%)	A	D	A	D	D	C		C	D	C	C	C	C	B	B
Olio di Colza	A	B	A	A	D	A	D	B	B	B	B	B	B	A	A
Olio da taglio (integrale)	A	B	A	D	D	D		A	A	A	A	A	A	A	A
Olio da taglio (emulsionato)	A	A	A	D	B	C		A	A	A	A	A	A	A	A
Olio Diatermico (per trasformatori)	A	A	A	D	B	B	D	B	B	B	B	A	A	A	A
Olio Minerale	A	A	A	D	B	B	D	B	A	B	B	B	A	A	A
Olio di Oliva	A	A	A	A	B	B	D	B	A	C	B	B	B	A	A
Olio di Palma	A	A	A	B	D	A	D	C	C	B		B	C	A	A
Oli Siliconici	A	A	A	A	A	D	A		A					A	A
Olio per Trasformatori	A	A	A	D	B	B	D	B	B	B	B	A	A	A	A
Paraffina	A	A	A	D	C	A	C	B	B	A	A	A	B	A	A
Pentano	A	A	A	D	B	C	D	B	B	A	A	A	A	C	C
Permanganato di Potassio	A	A	A	A	A	D		B	B	B	B		B	A	B
Perossido di Idrogeno (Acqua Ossigenata, 10%)	A	A	A	C	D	A	A	D	D	C	C	D	C	C	C
Perossido di Idrogeno (Acqua Ossigenata, 30%)	A	D	B	C	C	A	C	D	D	D	C	D	C	C	B
Perossido di Idrogeno (Acqua Ossigenata, 50%)	A	D	B	C	C	A	C	D	D	D	C	D	C	C	B
Perossido di Sodio	A	C	A	A	B	D		C	D	D	C		C	A	A
Petrolio greggio sour (S>1%)	A	C	A	D	C			C	C	C			B	A	A
Petrolio greggio sweet (S<1%)	A	C	A	D	C			C	B	B			B	A	A
Potassa	A	A	A	B	B	D	A		B	D		B		A	A
Propano - GPL (Liquefatto)	A	A	A	D	B	C	D	B	B	A	A	A	B	A	A
Salamoia	A	A	A	B	C			D	C	B	B	A	C	B	A
Soda Caustica (Idrossido di Sodio, 20%)	A	A	B	A	B	A	C	B	A	A	B	D	B	A	A
Soda Caustica (Idrossido di Sodio, 50%)	A	D	C	A	C	A	C	B	B	A	B	D	B	A	B
Soda Caustica (Idrossido di Sodio, 80%)	A	D	C	C	C	A	C	B	C	B	B	D	B	A	C
Solventi per Lacche, Vernici	A	D	D	A	D	D		C	C	A	A		C	A	A
Tinture	A	D	A	D	C				A	C	D	B	A	A	A
Trementina	A	D	A	D	D	D	D	B	B	B	A	B	B	A	A
Urina, Urea	A	A	A	A	D	A		C	B	B		B	C	A	A
Vernici (Usare Viton per Aromatici)	A	B	A	B	D	D		D	C	A	A		A	A	A



Tabella Vapore Saturo - Saturated Steam Table

Pr	Pressione relativa – gauge pressure	Esen	Entalpia specifica liquido (calore sensibile liquido) – specific enthalpy of liquid
Pa	Pressione assoluta – absolute pressure	Elat	Entalpia specifica di vaporizzazione (calore latente) - specific enthalpy of vap.
T	temperatura - temperature	Etot	Entalpia specifica del vapore saturo (calore totale) - specific enthalpy of saturated steam
V	Volume specifico – specific volume		

Pr		Pa		T		V	Esen		Elat		Etot	
bar	kg/cm ²	bar	kg/cm ²	°C	°K	m ³ /kg	kJ/kg	kcal/kg	kJ/kg	kcal/kg	kJ/kg	kcal/kg
0	0	1,013	1,033	100,0	373,2	1,673	419,1	100,1	2258	539,4	2678	639,5
0,10	0,102	1,113	1,135	102,6	375,75	1,533	430,4	102,8	2251,2	537,7	2681,6	640,5
0,20	0,204	1,213	1,237	106,2	379,35	1,414	440,9	105,3	2245,0	536,2	2685,8	641,5
0,30	0,306	1,313	1,339	107,4	380,55	1,312	450,5	107,6	2238,7	534,7	2689,2	642,3
0,40	0,408	1,413	1,441	109,5	382,65	1,225	459,7	109,8	2232,8	533,3	2692,5	643,1
0,50	0,510	1,513	1,543	111,6	384,75	1,149	468,5	111,9	2227,0	531,9	2695,5	643,8
0,60	0,612	1,613	1,645	113,5	386,65	1,038	476,5	113,8	2221,5	530,6	2698,0	644,4
0,80	0,816	1,813	1,849	117,1	390,25	0,971	491,9	117,5	2211,9	528,3	2703,8	645,8
1,00	1,020	2,013	2,053	120,4	393,55	0,881	505,8	120,8	2202,3	526,0	2708,0	646,8
1,20	1,224	2,213	2,257	123,4	396,55	0,806	519,2	124,0	2194,3	524,1	2713,5	648,1
1,40	1,428	2,413	2,461	126,3	399,45	0,743	530,9	126,8	2186,3	522,2	2717,2	649,0
1,60	1,632	2,613	2,664	128,9	402,05	0,689	542,2	129,5	2178,8	520,4	2721,0	649,9
1,80	1,835	2,813	2,868	131,4	404,55	0,643	552,7	132,0	2171,3	518,6	2723,9	650,6
2,00	2,039	3,013	3,072	133,7	406,85	0,603	562,7	134,4	2164,6	517,0	2727,3	651,4
3,00	3,059	4,013	4,092	143,7	416,85	0,461	605,8	144,7	2134,8	509,9	2740,7	654,6
4,00	4,079	5,013	5,112	152,0	425,15	0,374	641,0	153,1	2109,3	503,8	2750,3	656,9
5,00	5,099	6,013	6,131	158,9	432,05	0,315	671,1	160,3	2087,1	498,5	2758,3	658,8
6,00	6,118	7,013	7,151	165,0	438,15	0,272	697,9	166,7	2067,4	493,8	2765,4	660,5
7,00	7,138	8,013	8,171	170,5	443,65	0,240	721,8	172,4	2049,0	489,4	2770,8	661,8
8,00	8,158	9,013	9,191	175,4	448,55	0,215	743,6	177,6	2032,3	485,4	2775,8	663,0
10,00	10,197	11,013	11,230	184,1	457,25	0,177	782,1	186,8	2001,3	478,0	2783,4	664,8
12,00	12,236	13,013	13,269	191,7	464,85	0,151	815,6	194,8	1973,7	471,4	2789,2	666,2
14,00	14,276	15,013	15,309	198,3	471,45	0,132	845,7	202,0	1948,1	465,3	2793,9	667,3
16,00	16,315	17,013	17,348	204,4	477,55	0,117	872,9	208,5	1924,7	459,7	2797,6	668,2
18,00	18,355	19,013	19,388	209,9	483,05	0,105	897,6	214,4	1902,5	454,4	2800,1	668,8
20,00	20,394	21,013	21,427	215,0	488,15	0,095	921,1	220,0	1881,5	449,4	2802,6	669,4
25,00	25,493	26,013	26,525	226,1	499,25	0,077	972,6	232,3	1832,6	437,7	2805,2	670,0
30,00	30,591	31,013	31,624	235,7	508,85	0,0645	1017,1	242,9	1786,2	426,5	2803,3	669,4
35,00	35,690	36,013	36,722	244,2	517,35	0,0555	1057,4	252,5	1744,8	416,6	2802,2	669,1
40,00	40,788	41,013	41,821	252,0	525,05	0,0485	1094,4	261,3	1705,6	407,3	2800,0	668,6
45,00	45,886	46,013	46,919	259,0	532,00	0,0431	1128,6	269,1	1668,3	398,3	2796,9	667,9
50,00	50,985	51,013	52,018	265,2	538,35	0,0386	1160,5	277,1	1632,3	389,8	2792,8	666,9





Distribución

de

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