

Universal

MOTORIZED VALVES

USE

- heating / cooling systems
- systems using alternative energy
- industrial systems using hot and cold fluids
- automation plants
- irrigation systems
- waterworks

Universal



**2-WAY CAST IRON
FLANGED VALVE**



**3-WAY CAST IRON
FLANGED VALVE**



WAFER BUTTERFLY

ACTUATOR TECHNICAL FEATURES	Universal	
Electric control	2/3-point	
Connection with ball valve	ISO 5211	
Operation	ON/OFF • Modulating	
Compatible ball valves	2-way cast iron ball • Butterfly	3-way cast iron ball • (diverter)
Rotation	90°	120°
Position indicator	Three-dimensional on actuator	
Power supply	Low voltage: 12V AC/DC; 24V AC/DC • High Voltage: 100..240V • 50/60Hz	
Inputs for electrical connections	N°2 M20x1,5	
Electrical connection	Internal terminal block	
Operating temperature	-20°C ÷ +55°C	
Manual override command	With handwheel	
Heating resistance	Standard	
Limit microswitch	Opening and closing	
Protection degree	IP67	
External covering	Aluminum	
Certification	CE	



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MOTORIZED VALVES

VERSIONS

2-WAY FLANGED CAST IRON	DN	PN	Kv _s [m ³ /h]	Operating time	Torque [Nm]	Max. absorbed current	Base code
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HIGH VOLTAGE • 100..240V 50/60 Hz

65	16	540	27 sec. (90°)	110	0,4 A	U22C2G2F6
80	16	873	27 sec. (90°)	110	0,4 A	U22C2H2F6
100	16	1390	50 sec. (90°)	190	0,6 A	U22C2I2F6
125	16	2360	50 sec. (90°)	190	0,6 A	U22C2L2F6
150	16	3671	50 sec. (90°)	350	0,75 A	U22C2M2F6

LOW VOLTAGE • 12V - 24V AC/DC

65	16	540	27 sec. (90°)	110	2,2 A	U24C2G2F6
80	16	873	27 sec. (90°)	110	2,2 A	U24C2H2F6
100	16	1390	50 sec. (90°)	190	3,8 A	U24C2I2F6
125	16	2360	50 sec. (90°)	190	3,8 A	U24C2L2F6
150	16	3671	50 sec. (90°)	350	4,75 A	U24C2M2F6



3-WAY FLANGED CAST IRON	DN	PN	Kv _s [m ³ /h]	Operating time	Torque [Nm]	Max. absorbed current	Base code *
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HIGH VOLTAGE • 100..240V 50/60 Hz

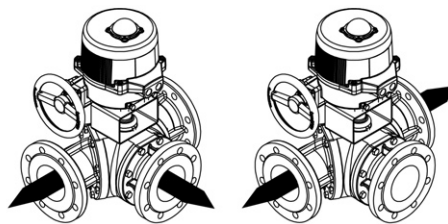
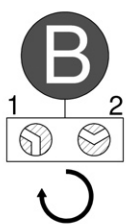
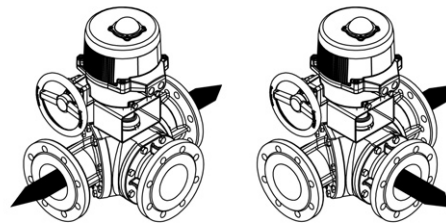
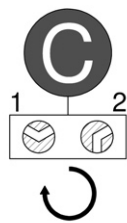
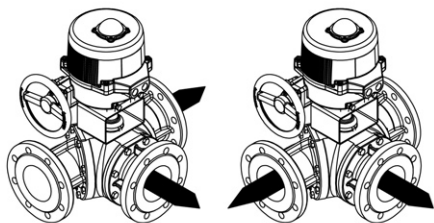
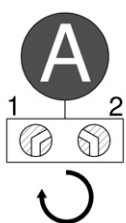
50	16	90	12 sec. (120°)	60	0,6 A	U22C3F2F6
65	16	150	12 sec. (120°)	60	0,6 A	U22C3G2F6
80	16	282	36 sec. (120°)	110	0,4 A	U22C3H2F6
100	16	420	36 sec. (120°)	190	0,6 A	U22C3I2F6
125	16	720	67 sec. (120°)	270	0,6 A	U22C3L2F6
150	16	1320	67 sec. (120°)	350	0,75 A	U22C3M2F6

LOW VOLTAGE • 12V - 24V AC/DC

50	16	90	12 sec. (120°)	60	3,8 A	U24C3F2F6
65	16	150	12 sec. (120°)	60	3,8 A	U24C3G2F6
80	16	282	36 sec. (120°)	110	2,2 A	U24C3H2F6
100	16	420	36 sec. (120°)	190	3,8 A	U24C3I2F6
125	16	720	67 sec. (120°)	270	3,8 A	U24C3L2F6
150	16	1320	67 sec. (120°)	350	4,75 A	U24C3M2F6



* indicate the desired ball positioning (A, B or C) at the end of the code



1: START POSITION
2: ARRIVAL POSITION AFTER A 120° CLOCKWISE ROTATION



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MOTORIZED VALVES

CAST IRON WAFER BUTTERFLY	DN	PS *	Kv _s [m ³ /h]	Operating time	Torque [Nm]	Max. absorbed current	Base code
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HIGH VOLTAGE • 100..240V 50/60 Hz

100	16	496	27 sec. (90°)	110	0,4 A	U22C512F6
125	16	883	27 sec. (90°)	110	0,4 A	U22C5L2F6
150	16	1212	50 sec. (90°)	190	0,6 A	U22C5M2F6
200	16	2500	50 sec. (90°)	190	0,6 A	U22C5N2F6
250	16	3948	50 sec. (90°)	350	0,75 A	U22C5O2F6

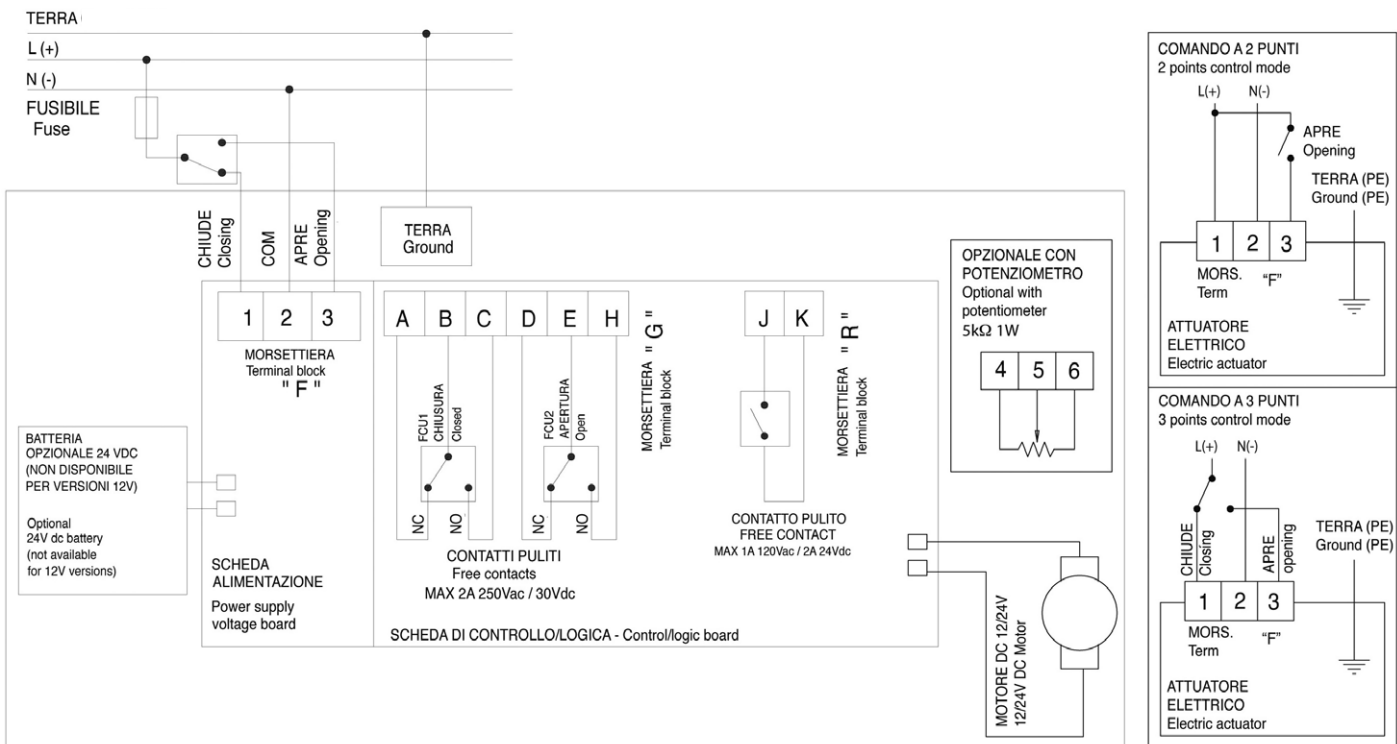
LOW VOLTAGE • 12V - 24V AC/DC

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125	16	883	27 sec. (90°)	110	2,2 A	U24C5L2F6
150	16	1212	50 sec. (90°)	190	3,8 A	U24C5M2F6
200	16	2500	50 sec. (90°)	190	3,8 A	U24C5N2F6
250	16	3948	50 sec. (90°)	350	4,75 A	U24C5O2F6

* for end-of-line mounting PS = 12

ELECTRICAL CONNECTIONS

ON/OFF ELECTRIC ACTUATOR



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MOTORIZED VALVES

BALL VALVE TECHNICAL FEATURES AND MATERIALS USED

2-WAY FLANGED CAST IRON BALL VALVE FULL BORE



FLUIDS Water and EPDM & NITRILE-compatible fluids

TEMPERATURES

• Minimum	-10°C
• Maximum	+120°C

BODY	EN - GJL - 250
RING NUT	ASTM A105
BALL	A351 - CF8
BALL SEAL	P.T.F.E.
O-RING	NBR
ROD WASHER	P.T.F.E.
ROD SEAL	P.T.F.E.

3-WAY FLANGED CAST IRON BALL VALVE FULL BORE



FLUIDS Water and EPDM & NITRILE-compatible fluids

TEMPERATURES

• Minimum	-10°C
• Maximum	+100°C

BODY	CAST IRON GS 400
FLANGE	CAST IRON GS 25
ELBOW FLANGE	CAST IRON GS 25
CHROME BALL	T G/CuZn40Pb2
O-RING	NBR/ VITON®
FRICTION RING	X5CrNi
ROD	OT P/CuZn40Pb2
BALL SEAT	P.T.F.E. + GRAFITE

WAFER BUTTERFLY VALVE



NITRILE SLEEVE (standard)

FLUIDS Untreated water - general industrial circuits

TEMPERATURES

• Minimum	+5°C
• Maximum	+85°C

EPDM SLEEVE

FLUIDS Drinking water - general industrial systems

TEMPERATURES

• Minimum	-20°C
• Maximum	+100°C

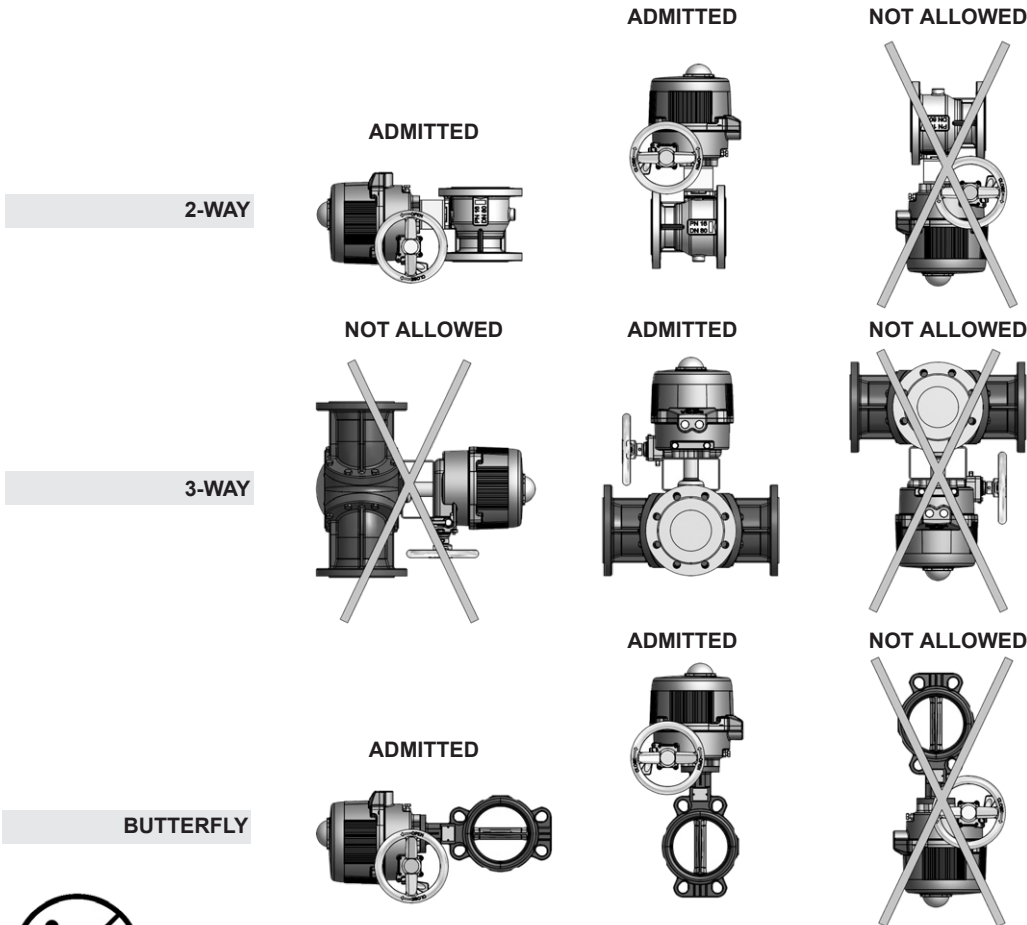
BODY	SPHEROIDAL CAST IRON - EN GJS 400-15
SLEEVE	NITRILE (EPDM on request)
BUTTERFLY	SPHEROIDAL CAST IRON - EN GJS 400-15
BEARING STEM	STAINLESS STEEL
GUIDE BEARING	GALVANIZED STEEL + PTFE
O-RING	FKM



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INSTALLATION



CAUTION! Do not use high-pressure water directly on the actuator (e.g. a pressure washer)



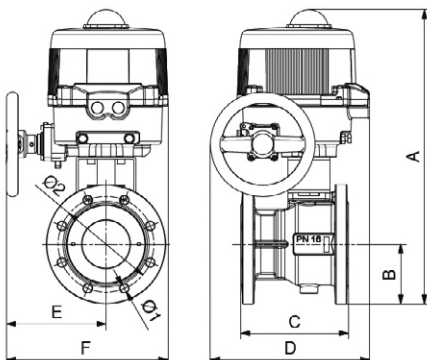
CAUTION!

Butterfly valves are supplied with the lens in the open position. The valve must be installed in open position only.

OVERALL SIZE

MODEL	DN	A	B	C	D	E	F	Ø1	Ø2
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2-WAY CAST IRON FLANGED VALVE



65	474	93	170	266	166	270	4xM16	145
80	492	100	180	266	166	270	8xM16	160
100	541	110	190	266	166	270	8xM16	180
125	579	125	200	284	166	292	8xM16	210
150	627	150	210	289	166	316	8xM20	240

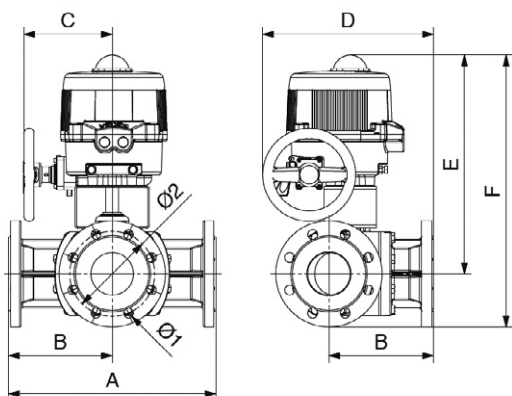


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MOTORIZED VALVES

MODELLO	DN	A	B	C	D	E	F	Ø1	Ø2
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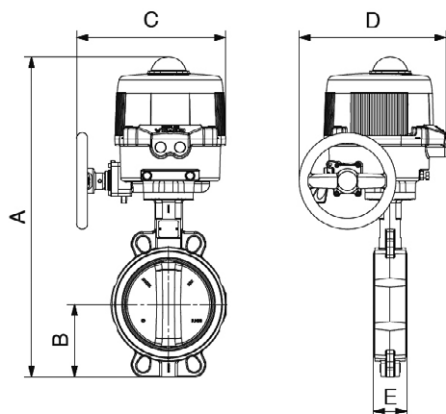
3-WAY CAST IRON FLANGED VALVE



DN	A	B	C	D	E	F	Ø1	Ø2
50	320	160	88	247	340	422	18	125
65	350	175	88	264	350	443	18	145
80	390	195	166	321	421	512	18	160
100	430	215	166	331	422	532	18	180
125	490	246	166	367	454	579	18	210
150	570	285	166	428	473	616	22	240

MODEL	DN	A	B	C	D	E
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BUTTERFLY VALVES



100	532	106	270	266	52
125	556	120	270	266	56
150	582	132	275	279	56
200	638	166	275	279	60
250	709	196	275	279	68

EXAMPLE OF SPECIFICATIONS

UNIVERSAL ACTUATOR • 2/3-point electric actuator, 100...240V 50/60Hz power supply, 90° rotation, 2 limit microswitches, anti-condensing heater, room temperature -20°C...+55°C, manual opening with handwheel, aluminum external covering, IP67 electrical protection rating.

BALL VALVE • wafer butterfly valve, nitrile sleeve, GG25 cast iron valve, cast iron lens coated with polyamide, DN150 PS16, fluid temperature: +5°C...+85°C, fluid type: untreated water.

Brand: **COMPARATO**

Code: **U22C5M2F6**

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