PO8-WQ

PO8-W SERIES:
WAFER TYPE SOFT SEATED BUTTERFLY VALVE

PO8-WQ Series:
MOTORIZED BUTTERFLY VALVE WITH POQ HIGH-PERFORMANCE ACTUATOR

DESCRIPTION

The POV Motorized Butterfly Valves are controlled by our POQ series high-performance electric actuators. The actuator has powerful performance and numerous functions, and is applicable to a variety of working conditions and requirements. The maximum torque can reach 20000 nm. The actuator can be equipped with a variety of Controlbus functions, including MODBUS, PROFIBUS, Hart, etc. it supports Bluetooth control and remote GPRS Remote control. It can not only set, debug and adjust the switch of the electric ball valve, but also obtain the position information, status information and fault information of the electric valve. Limit switch, torque switch, overheat protection, manual clutch and other devices can be configured internally, and explosion-proof configuration can be selected, which is applicable to a variety of working conditions.

ORDERING CODE

PO 8 9 7 □ — 1 □ □ □ — W Q —

Seal Material	
2	EPDM
3	NBR
4	PTFE
V	VITON
H	HYPALON
Q	SILICON RUBBER
P	POLYURETHANE
F	Others

Body Material	
2	Ductile Cast Iron
3	A216 WCB
A	A351 CF8 / SS304
B	A351 CF8M / SS316
C	A351 CF3M / SS316L
E	Duplex S.S. 2205
F	Others

Disc Material	
2	DI c/w Nickel Coated
3	A216 WCB
A	A351 CF8 / SS304
B	A351 CF8M / SS316
C	A351 CF3M / SS316L
D	Duplex S.S. 2507
E	Duplex S.S. 2205
G	Super S.S. 1.4529
K	B148 C95400
N	B148 C95800
H	Halar Coated
R	Rubber Coated
L	Nylon Coated
F	Others

Pressure Rating	
2	PN10
3	PN16
A	CLASS150LB
E	JIS 5K
F	JIS 10K

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Actuator Control Model	
B	Common ON-OFF Type
G	Common Regulating Type
Y	Intelligent Integrated Type
S	Super Intelligent Type

Voltage	
1	AC220V
2	AC110V
3	AC24V
4	DC24V
5	AC380V
6	Others

Explosion-Proof Grade	
0	NA
1	EXd II CT5

Operation Function	
K1	ON-OFF
K2	Regulating
K3	Potentiometer
K4	ON-OFF c/w 4-20mA Feedback
K5	ControlBus Modbus-RTU Type
K6	ControlBus Modbus-TCP/IP Type
K7	ControlBus Profibus-DP Type
K8	ControlBus Hart Type
K9	ControlBus FF Type

Example: PO8972-12A2-WQ-S10K8: Motorized Butterfly Valve, Ductile Cast Iron Body, SS304 Disc, EPDM Seat, PN10, with POQ Actuator Super Intelligent type AC220V with Hart.

SOFT SEATED BUTTERFLY VALVE

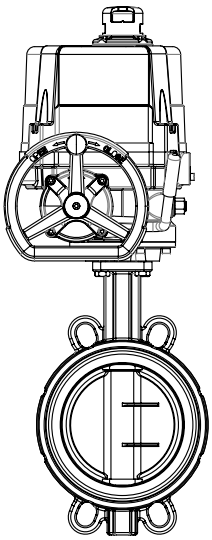
PO8-WQ

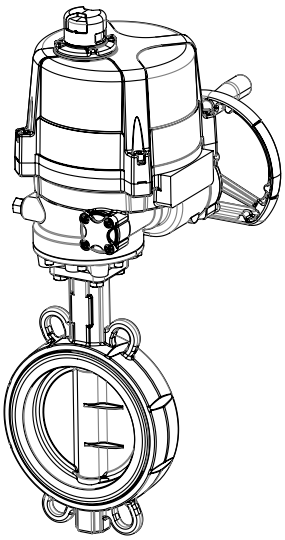
PO8-WQ Series:
MOTORIZED BUTTERFLY VALVE WITH POQ HIGH-PERFORMANCE ACTUATOR

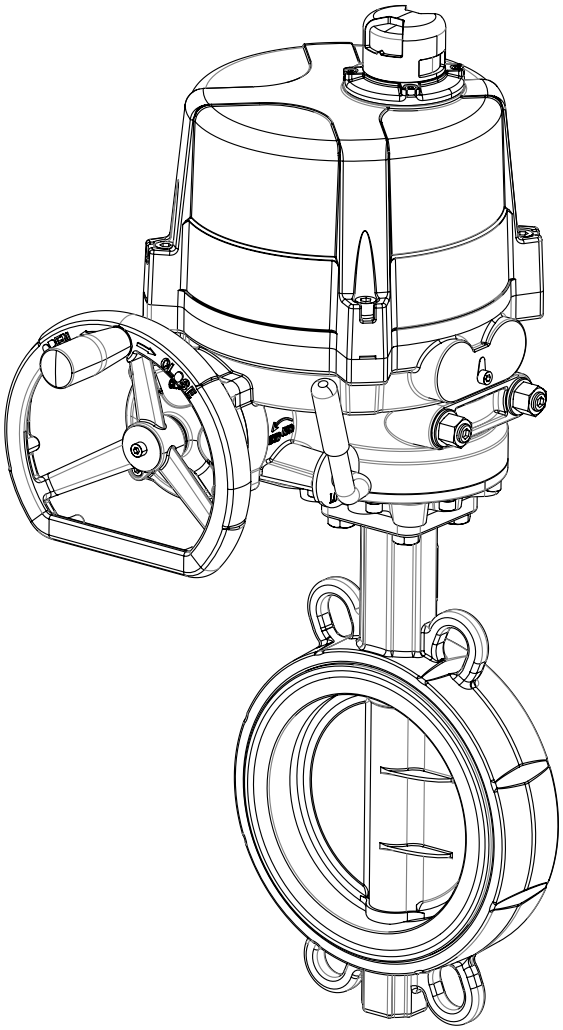
PO8-WQ-B : COMMON ON-OFF TYPE

FEATURES

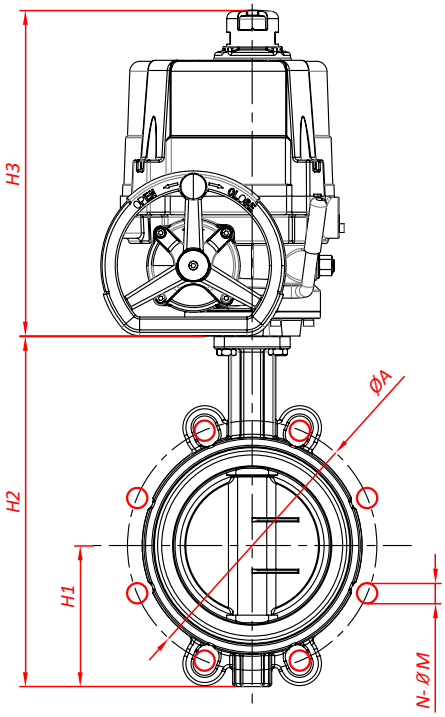
- Protection IP67 Nema 4 and 6
- Optionnal Explosion-proof type Exd II CT5
- Position Indicator on the top
- Epoxy polyester powder coating on alu-alloy shell
- Integrated declutchable gear for manual override
- Torque switch and Limit Switch 2x SPDT ON/OFF
- Common Open and Close the valve according to remote signal, with feedback of Open and Close position
- Support multiple voltage designs includes: Single Phase: 24V、110V、220V、230V、240V 50/60Hz/ 3-Phases: 220V、380V、415V、440V 50/60Hz / DC24V

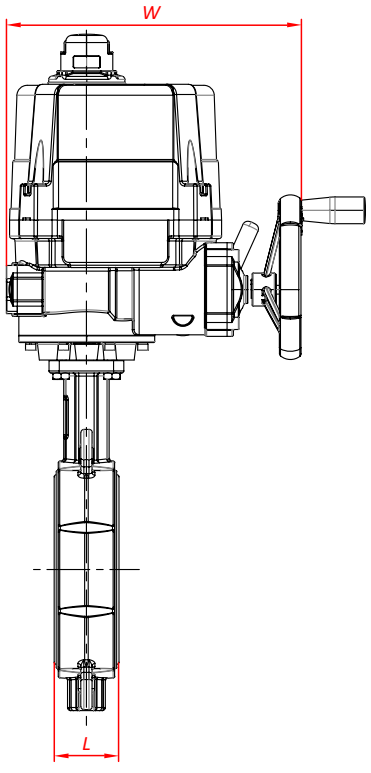


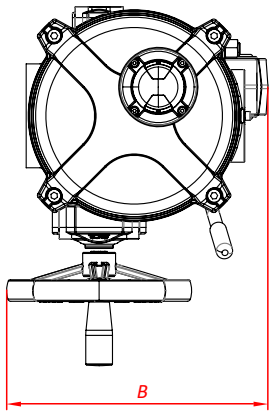




DIMENSIONS







SOFT SEATED BUTTERFLY VALVE

PO8-WQ

PO8-WQ-B :
COMMON ON-OFF TYPE

DIMENSIONS OF MOTORIZED BUTTERFLY VALVE WITH POQ ACTUATOR IN RATING PN10

	Size	L	GB standard (PN10)		H1	H2	H3	W	B	POQ Model
			ΦA	N-M						
PN10 PRESSURE RATING	DN25	33	85	4-12	46	94	280	218	169	POQ-006B
	DN32	33	100	4-16	46	94	280	218	169	POQ-006B
	DN40	33	110	4-16	53	94	280	218	169	POQ-006B
	DN50	42	125	4-16	55	140	280	218	169	POQ-006B
	DN65	44	145	4-16	64	153	280	218	169	POQ-006B
	DN80	44	160	8-16	73	159	280	218	169	POQ-006B
	DN100	50	180	8-16	88	182	280	218	169	POQ-010B
	DN125	56	210	8-16	102	190	316	286	237	POQ-016B
	DN150	56	240	8-20	115	203	316	286	237	POQ-016B
	DN200	60	295	8-20	145	245	341	299	250	POQ-030B
	DN250	68	350	12-20	184	273	341	299	250	POQ-050B
	DN300	78	400	12-20	207	311	341	299	250	POQ-060B
	DN350	78	460	16-20	247	363	415	336	342	POQ-100B
	DN400	102	515	16-24	275	375	415	336	342	POQ-130B
	DN450	114	565	20-24	307	406	458	382	381	POQ-170B
	DN500	127	620	20-24	330	438	458	382	381	POQ-230B

DIMENSIONS OF MOTORIZED BUTTERFLY VALVE WITH POQ ACTUATOR IN RATING PN16

	Size	L	GB standard (PN16)		H1	H2	H3	W	B	POQ Model
			ΦA	N-M						
PN16 PRESSURE RATING	DN25	33	85	4-12	46	94	280	218	169	POQ-006B
	DN32	33	100	4-16	46	94	280	218	169	POQ-006B
	DN40	33	110	4-16	53	94	280	218	169	POQ-006B
	DN50	42	125	4-16	55	140	280	218	169	POQ-006B
	DN65	44	145	4-16	64	153	280	218	169	POQ-006B
	DN80	44	160	8-16	73	159	280	218	169	POQ-006B
	DN100	50	180	8-16	88	182	280	218	169	POQ-010B
	DN125	56	210	8-16	102	190	316	286	237	POQ-016B
	DN150	56	240	8-20	115	203	316	286	237	POQ-016B
	DN200	60	295	12-20	145	245	341	299	250	POQ-030B
	DN250	68	355	12-24	184	273	341	299	250	POQ-050B
	DN300	78	410	12-24	207	311	341	299	250	POQ-060B
	DN350	78	470	16-24	247	363	415	336	342	POQ-100B
	DN400	102	525	16-27	275	375	415	336	342	POQ-130B
	DN450	114	585	20-27	307	406	458	382	381	POQ-170B
	DN500	127	650	20-30	330	438	458	382	381	POQ-230B

SOFT SEATED BUTTERFLY VALVE

PO8-WQ-B :
COMMON ON-OFF TYPE

DIMENSIONS OF MOTORIZED BUTTERFLY VALVE WITH POQ ACTUATOR IN RATING CLASS 150LBS

CLASS 150LBS PRESSURE RATING

Size	L	ANSI standard (CLASS 150LBS)		H1	H2	H3	W	B	POQ Model
		ΦA	N-M						
DN25	33	79.5	4-14	46	94	280	218	169	POQ-006B
DN32	33	88.9	4-14	46	94	280	218	169	POQ-006B
DN40	33	98.5	4-14	53	94	280	218	169	POQ-006B
DN50	42	120.7	4-16	55	140	280	218	169	POQ-006B
DN65	44	139.7	4-16	64	153	280	218	169	POQ-006B
DN80	44	152.4	4-16	73	159	280	218	169	POQ-006B
DN100	50	190.5	8-16	88	182	280	218	169	POQ-010B
DN125	56	215.9	8-20	102	190	316	286	237	POQ-016B
DN150	56	241.3	8-20	115	203	316	286	237	POQ-016B
DN200	60	298.5	8-20	145	245	341	299	250	POQ-030B
DN250	68	362	12-24	184	273	341	299	250	POQ-050B
DN300	78	431.8	12-24	207	311	341	299	250	POQ-060B
DN350	78	476.3	12-27	247	363	415	336	342	POQ-100B
DN400	102	539.8	16-27	275	375	415	336	342	POQ-130B
DN450	114	577.9	16-30	307	406	458	382	381	POQ-170B
DN500	127	635	20-30	330	438	458	382	381	POQ-230B

DIMENSIONS OF MOTORIZED BUTTERFLY VALVE WITH POQ ACTUATOR IN RATING JIS5K

JIS5K PRESSURE RATING

Size	L	JIS standard (JIS5K)		H1	H2	H3	W	B	POQ Model
		ΦA	N-M						
DN25	33	75	4-10	46	94	280	218	169	POQ-006B
DN32	33	90	4-12	46	94	280	218	169	POQ-006B
DN40	33	95	4-12	53	94	280	218	169	POQ-006B
DN50	42	105	4-12	55	140	280	218	169	POQ-006B
DN65	44	130	4-12	64	153	280	218	169	POQ-006B
DN80	44	145	4-16	73	159	280	218	169	POQ-006B
DN100	50	165	8-16	88	182	280	218	169	POQ-010B
DN125	56	200	8-16	102	190	316	286	237	POQ-016B
DN150	56	230	8-16	115	203	316	286	237	POQ-016B
DN200	60	280	8-20	145	245	341	299	250	POQ-030B
DN250	68	345	12-20	184	273	341	299	250	POQ-050B
DN300	78	390	12-20	207	311	341	299	250	POQ-060B
DN350	78	435	12-22	247	363	415	336	342	POQ-100B
DN400	102	495	16-22	275	375	415	336	342	POQ-130B
DN450	114	555	16-22	307	406	458	382	381	POQ-170B
DN500	127	605	20-22	330	438	458	382	381	POQ-230B