



▼ DESIGN FEATURE

The EMEB-OSW butterfly valve is a preferred choice for pipelines. It is a soft-seal, concentric, centerline valve with a simple structure, a low flow coefficient, and linear flow characteristics that prevent debris from accumulating. It also has the advantages of being lightweight, easy to install, and having low actuation torque. This valve can be used for both shutting off and regulating media flow. It features a pneumatic actuation mechanism.

- Valve Body: Cast from FCD450 ductile iron, the body is coated on both sides with a high-grade epoxy paint layer of at least 300 μm in thickness.
- Seat: Made from durable EPDM rubber, the seat is pre-molded and fixed to the valve body, making it suitable for potable water applications. The elasticity of the seat enhances the valve's sealing capability.
- Disc: The circular disc is manufactured from stainless steel CF8, making it suitable for both clean water and wastewater environments.
- Stem: Made from stainless steel 304, the stem consists of two symmetrical top and bottom sections that are fixed vertically to the valve disc.
- Pneumatic rotary actuator: EMP Series pneumatic rotary actuator is explosion-proof and designed for ball/butterfly valves, offering an output torque range of 14 to 1170Nm and a rotation angle of 90° ±4°. Made from durable aluminum alloy, it operates efficiently with filtered, dry compressed air and suits industries like food, petrochemical, pharmaceutical, and marine. Certified with CE, ensuring compliance with EU safety standards and providing market access advantages.

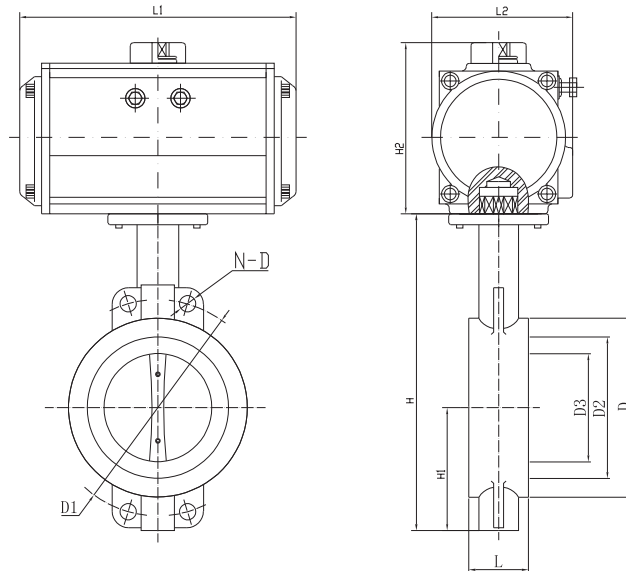
▼ SPECIFICATIONS

Model	EMPB-OCW
Nominal inner diameter	DN40~DN600
Pressure	1.0~1.6Mpa
Temperature	-10°C~100°C
Compressed Air Pressure	3 – 8 bar
Body material	Cast iron
Seal material	EPDM, NBR
Disc material	Stainless steel
Actuator style	On/Off
Connection	Wafer type

▼ ATTACHMENT SELECTION

Solenoid valve	3/2, 5/2, single electric control and double electric control
Filter pressure reducing valve	Stabilize and filter air source pressure
Limit switch	Remote feedback switch signal
Manual device	Manual device can open and close valve manually
Positioner	Input analog signal (4-20mA or 0-10V), Adjust valve travel

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▼ PNEUMATIC OVERALL DIMENSIONS CHART-PN10, 16 (10, 16BAR)

Model	DN	Overall Dimension						Connection Size 1.0/1.6			
		L	H	H1	L1	L2	H2	D	D1	D2	N-D
EMPB-OCW-40	40	33	147	53	159/172	73/85	73/90	80	110	68	4-16
EMPB-OCW-50	50	42	195	55	159/172	73/85	73/90	95	125	82	4-16
EMPB-OCW-65	65	44	217	64	172/215	85/105	90/110	114	145	97	4-16
EMPB-OCW-80	80	44	232	73	185/265	95/110	100/120	126	160	113	8-16
EMPB-OCW-100	100	50	270	88	215/270	105/125	110/142	154	180	139	8-16
EMPB-OCW-125	125	56	292	102	265/270	110/125	120/142	180	210	163	8-16
EMPB-OCW-150	150	56	318	115	270/310	125/142	142/158	206	240	195	8-20
EMPB-OCW-200	200	60	390	149	310/400	142/160	158/178	264	295	250	8-20/12-20
EMPB-OCW-250	250	68	457	184	400/465	160/178	178/200	320	350/355	305	12-20/12-24
EMPB-OCW-300	300	78	518	207	465/550	178/210	200/235	370	400/410	352	12-20/12-24
EMPB-OCW-350	350	78	610	247	550/550	210/235	235/260	430	460/470	405	16-20/16-24
EMPB-OCW-400	400	102	650	275	550/646	235/258	260/325	480	515/525	455	16-24/16-27
EMPB-OCW-450	450	114	713	307	646/722	258/292	325/350	550	565/585	515	20-24/20-27
EMPB-OCW-500	500	127	768	330	646/722	258/292	325/350	590	620/650	565	20-24/20-30
EMPB-OCW-600	600	151	919	400	722/1630	292/375	350/326	695	725/770	674	20-27/20-33

- Note: According to different valve torque, different air supply pressure and different actual working conditions, select the matched actuator, and its relevant dimensions change accordingly.