

PRODUCT FAMILY

Butterfly Valves

AEW Valves Pvt. Ltd. manufactures industrial Butterfly Valves engineered for reliable flow isolation, throttling and process control across a wide range of industrial applications.

Our range includes Concentric Butterfly Valves, available in multiple materials, pressure classes and operating configurations to meet diverse process requirements.

Design Features

CONCENTRIC

 Longer Life The strength of the vulcanised liner as well as its strong bonding with the body ensure that it doesn't get deformed and torn by the disc during valve operations. Further, friction during operations is minimised owing to the smooth liner surface. The strong seat and reduced friction greatly enhance service life of the valve.	 Tight Sealing, and Consistent Low Torque Bubble-tight sealing is obtained by the tight interference fit between liner and disc. The moulded seat does not deform with age, and hence the operating torque stays low and consistent during the entire life cycle of the valve. AEW is the valve of choice for actuated systems because of high reliability and consistent torque.
 Reliable Drive Positive shaft-disc connection with anti-blow out is a key feature. The shaft is Xylan-coated to reduce friction and improve wear resistance. Further, the self-lubricated bearings reduce the torque and increase valve reliability.	 Ease of Installation The integral liner of the valve acts as a gasket between the valve and companion flange. The liner being bonded to the body doesn't get stretched or damaged during installation unlike loose liners.
 Lower Resistance to Flow The discs are hydrodynamically designed to provide minimum resistance to flow and improved flow coefficients.	 Assured Shaft Sealing The flat profiles on the top and bottom of Aqua seal disc engage with matching profiles on the body liner, and the large area of contact prevents leakage to atmosphere. Integrally moulded O-Rings that compress around the top shaft provide a secondary seal. Weather seal is provided to prevent the ingress of foreign particles on valves with flow control lever.
 Actuator Mounting Platform The integral ISO 5211 platform facilitates direct mounting of actuators and gear units, thereby improving system reliability and efficiency.	

Standards

CONFORMANCE

DESIGN STANDARD	EN 593 (BS 5155), API 609, MSS SP 67, ISO 5752
INSPECTION & PRESSURE TESTING	EN 12266 / API 598
END CONNECTION	BS 10 Table D & E, ASME B 16.1 Class 125, B 16.5 Class 150, EN 1092-2 PN 10, BS 4504 PN 10, IS 6392 Table 11

Technical Specifications

SPECIFICATIONS

PARAMETER	AVAILABLE OPTIONS
Size	DN50 to DN600 / 2" to 24"
Pressure Rating	PN10, PN16, Class 150, Class 300 & higher*
Design	Concentric
Body Type	Wafer
Body MOC	Cast Iron / Ductile Iron / Carbon Steel / Stainless Steel / CF8 / CF8M / CF3 / CF3M / Duplex / Super Duplex / Special Alloys
Disc MOC	Ductile Iron / Carbon Steel / SS304 / SS316 / CF8M / Duplex / Special Alloys
Stem / Shaft	SS304 / SS316 / SS410 / Duplex / Special Alloys
Seat	EPDM / NBR / FKM
Operation	Lever / Gear / Pneumatic / Electric
End Connection	Wafer / Lug / Flanged
Temperature	Application & material dependent
Medium	Water / Air / Gas / Oil / Steam / Chemicals & other industrial fluids

*Pressure and size ranges depend on valve design, material and applicable product series.

Actuation Options

OPERATION

Manual Lever Operated Gear Operated	Pneumatic Single Acting Double Acting Spring Return	Electric On-Off Modulating
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OPTIONAL ACCESSORIES INCLUDE:

Solenoid Valve	AFR	Limit Switch Box	Positioner	Position Transmitter	Quick Exhaust Valve	Booster Relay
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Applications

INDUSTRIES

AEW Butterfly Valves are widely suitable for:

Oil & Gas	Petrochemical	Chemical	Power	Water & Wastewater	HVAC	Steel	Cement	Fertilizer	Mining
General Industries									

ENGINEERED FOR YOUR APPLICATION

“We select the appropriate valve design, MOC, seat, pressure class and actuation according to the actual operating conditions and customer requirements.”