

BUTTERFLY VALVE

PTFE Coated Lug Butterfly Valve

REF **EFC-296** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	DN50–DN1200
Pressure	PN1.0–PN1.6
End connection	lug (ANSI B 16.1) / lug (EN 1092) / lug (AS 2129)
Face-to-face	ANSI B 16.10
Temperature	-45°C to 150°C
Media	chemical media, high-purity media, corrosive media

APPROVALS & CERTIFICATIONS

- ISO 9001 (Manufacturing)
- Design: AP1609
- Inspection & Test: API598
- End Standard: EN1092-2 PN6/10/16, AS"D"E", JIS B2220 10K, ASME B16.5 150LB
- Face to Face: API609
- LR (Lloyd's Register)
- ECM
- ISO
- EAC
- CE
- Bureau Veritas
- ACS
- WRAS Approved Product

COATINGS & LINING

- PTFE coating (2–3 mm lining)

APPLICATIONS

- Aggressive chemical service
- High-purity media service



- Corrosive media service

MATERIALS

body	Cast Iron, Ductile Iron, Carbon Steel, Aluminium Bronze, Stainless Steel	disc	Cast Iron, Ductile Iron, Aluminium Bronze, Stainless Steel
stem	Stainless Steel	seat	Elastomer, Fluoroelastomer, Silicone, PTFE
Body	Cast Iron (CI), Ductile Iron (DI)	Down Shaft	SS410
Liner (Seat)	PTFE	Butterfly Spring	Spring Steel
Disc	CF8M + PTFE	Up Shaft	SS410, SS304, SS316
Seat Energiser	Silicone	Bushing	PTFE

FEATURES

- Compact structure with low weight
- 90° rotation for rapid open/close operation
- Eccentric structure reduces seal packing collar friction
- Bubble-tight shutoff (zero leakage)
- PTFE lining thickness 2–3 mm
- Top flange to ISO 5211 for actuator mounting
- Lug-type body configuration
- PTFE full-face liner/seat
- 7-part construction: body, down shaft, liner (seat), butterfly spring, disc, up shaft, seat energiser, pressing sleeve, bushing, bolt
- Stem square drive top (ISO 5211 pattern inferred from mounting pad)

OPTIONS & NOTES

- Our products hold up to 10 international authoritative certification certificates