

BUTTERFLY VALVE

Worm Gear operated Wafer Butterfly Valve

REF **EFC-321** ISSUED **05 Jun 2026**

SPECIFICATIONS

Size	DN50–DN1200
End connection	wafer
Media	water, wastewater, general industrial fluids

ACTUATION

- worm gear — Low-torque worm gear operator enabling smooth manual throttling or shut-off; 90° rotation

APPROVALS & CERTIFICATIONS

- Lloyd's Register (LR)
- ECM – Ente Certificazione Macchine
- ISO
- EAC
- CE
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product

APPLICATIONS

- Municipal water distribution
- HVAC systems
- Wastewater treatment
- General industrial fluid management



MATERIALS

body	Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel	seat	Elastomer, Fluoropolymer, Fluoroelastomer
shaft	Stainless Steel, Carbon Steel	disc	Stainless Steel, Ductile Iron, Nickel coated, Stainless Steel with PTFE coating, Bronze
pin	Stainless Steel	bushing	Fluoropolymer, Bronze
o ring	Elastomer	stem	Stainless Steel, Carbon Steel

FEATURES

- Compact wafer-type body for installation between pipeline flanges
- Worm gear operator for smooth, low-torque manual operation
- 90° rotation for rapid open/close
- Eccentric structure to reduce seat friction and extend service life
- Zero-leakage sealing
- Easy assembly and disassembly
- Wafer-style body with gear operator (worm gearbox)
- Seven-part sectional construction identified in dimensional drawing (parts labelled 1–7)
- Flanged drilling shown for PN10, PN16, ANSI 150 and JIS 10K bolt patterns
- PTFE-lined disc variant visible (white disc face, image index 3)
- Stainless steel disc variant visible
- Through-stem (double-stem) design shown in sectional drawing

OPTIONS & NOTES

- Our products hold up to 10 international authoritative certification certificates, ensuring compliance with global standards.

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SECTION Technical drawing REF EFC-321

