BUTTERFLY VALVE

Butterfly Valve With Bypass

REF **EFC-331** ISSUED **05 Jun 2026**

SPECIFICATIONS

Size	**DN500–DN1800**
Pressure	**PN10–PN40**
End connection	**flanged (EN1092-2)**
Media	**drinking water, treated wastewater, raw water**

ACTUATION

• worm wheel gearbox — Self-locking; spur gear or bevel gear available to reduce required input torque

STANDARDS

Test	**EN12266**

COATINGS & LINING

• FBE (Fusion Bonded Epoxy) internal and external, 250µm DFT

APPLICATIONS

• drinking water
• treated wastewater
• raw water
• underground installation

MATERIALS

body	**Ductile Iron**	disc	**Ductile Iron, Stainless Steel**
lining	**Rubber/Elastomer**	coating	**Fusion Bonded Epoxy**

FEATURES

- Integral bypass system comprising main valve, bypass pipe, and bypass valve
- Bypass valve can be opened while main valve is closed to maintain minimum flow and avoid water stagnancy
- Bypass valve used to equalise differential pressure across main valve prior to opening, enabling manual operation without power
- Flow-through disc design minimises line turbulence and reduces head loss
- Position indicator with adjustable end limit stops at open and closed positions
- Position indicator extendable above ground for underground installations
- Clockwise closing rotation
- Worm wheel gearbox with self-locking function
- Body strength test at 1.5× design pressure per EN12266
- Seat leakage test at 1.1× design pressure per EN12266
- Bidirectional zero-leakage design tested at rated working pressure differential
- Test certificate issued for each valve
- Large-bore flanged butterfly valve with integrated bypass gate valve on top
- Side-mounted gearbox actuator with handwheel operation
- Flanged end connections with full-face bolt pattern
- Concentric or double-eccentric disc configuration visible from bore view
- Separate small-bore bypass valve (gate type with handwheel) mounted to valve body
- Air release/vacuum breaker assembly mounted to upper body
- Blue epoxy or paint coating applied to external surfaces

OPTIONS & NOTES

• Other standard drilling can be provided as special request

sales@euroflowcontrol.com · euroflowcontrol.com