

BVALVE

Butterfly valves

WAFER TYPE



BV12008W
(DN40-200)
Hand lever operated



BV12008W
(DN250-600)
Gear operated



BV12008W
(DN700-1200)
Gear operated

LUG TYPE



BV12008L
(DN40-200)
Hand lever operated



BV12008L
(DN250-600)
Gear operated



BV12008L
(DN700-1200)
Gear operated

DOUBLE FLANGED



BV12008DF
(DN40-200)
Hand lever operated



BV12008DF
(DN250-600)
Gear operated



BV12008DF
(DN700-1200)
Gear operated

High quality Soft-seated Butterfly valves

**ZERO
LEAKAGE!**

The BVALVE Soft-seated Butterfly valve is **one-piece wafer, lug or double flange design with extended neck** and a concentric disc and seat configuration to allow for DN40-DN1200 of piping insulation. Flanges have hole drilling according to international flange standards. The valves are provided with a non-corrosive bushing and self-adjusting stem seal.

Our butterfly valves range include **wafer, lug and double flange bodies** to allow for quick and precise alignment during valve installation. The valve disc edge and hub on metal discs are spherically machined and hand polished for minimum torque and **maximum sealing capability**.

The **valve stem is one-piece design** and mechanically retained in the body neck and no part of the stem is exposed to the line media. The seat of the valve encapsulates the body to allow **totally isolating from the line media** and no flange gaskets shall be required.

The wafer and lug valve is rated for **bubble-tight shut-off for bidirectional service** to 16 bar on sizes DN40-DN600 and to 10 bar on sizes DN650 - DN1200. The valve is tested for tight shut-off to 110% of the rated pressure.

Advantages:

- Centric butterfly valve for the effective and safe industrial application.
- Economic equipment with the one-piece body design
- Complete body lined with elastomer with the seat ring as a multifunctional sealing element
- 100% tight shut off, 0% leakage
- Bi-directional sealing
- Self-cleaning
- Lightweight design for easier installation
- Low operation torque
- Aerodynamic butterfly design that minimizes pressure drop.

Industries and applications

Sewage plants	Coal mining, Brown coal strip mining	Sugar industry
Waste water treatment plants	Chemical plants	Food industry
Shipbuilding	Pumping stations, Storage basin	Bitumen manufacturing and subsequent processing
Pulp and paper industry	Coal-fired power plants	



O-ring stem seal

Seals the stem in both directions. Self adjusting stem seal

Stem design

One piece design and mechanically retained in the body neck.

Valve disc edge end hub on metal disc shall be spherically machined and hand polished for minimum torque and maximum sealing capability

SS CF8M

Valve body is one piece design with extended neck
Nodular Cast Iron
EN1563 EN-GJS-400-15

Disc stem joined by standard hexagone design.
No pins required!

Automation

- Standard mounting flange according to ISO 5211
- Actuator protected against leakage

Primary seal integrated in the seat, ensures a pressure-stable seal to the outside, and prevents line media from coming in contact with the stem or body

Seat ring exchangeable Seat ring fully encapsulates the body to isolate it from line media and no flange gaskets are required

EPDM, NBR, VITON

ZERO LEAKAGE!

Features

Wafer type butterfly valve for installation between flanges EN 1092-2, PN 10/16, ASME class 150. Acc B16.5

Lug type butterfly valve for installation between flanges EN 1092, PN 10/16, ASME class 150. Acc B16.5

Flange connections: DIN EN 1092 / Between flanges PN 10/16, ASME class 150, Acc B16.5

One-piece body, self-centring, two-piece disc and stem connection, bubble-tight up to 10 bar, vacuum-tight.

Design: DIN EN 593 / BS 5155

Certifications CE-Marking, TA Luft, ATEX

Marking EN19, MSSP

Face-to-Face dimension

DIN EN 558 line 20 / API 609 table 1 / ISO 5752 Series 20

Mounting flange DIN EN ISO 5211

Test DIN EN 12266-1 leakage rate A bidirectional / API 598 / ISO 5208 category 3

Certifications CE-Marking, TA Luft, ATEX

STANDARD MATERIALS:

Body: EN1563 EN-GJS-400-15

Disc: CF8M

Seats: NBR (Temp from -25°C to +100°C)

EPDM (Temp from -35°C to +130°C)

FKM (Temp from -20°C to +200°C)

Materials on request:

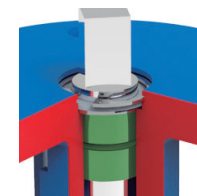
Body: WCB, Stainless Steel, Aluminium, Bronze, Duplex, Super Duplex

Disc: Aluminium, Bronze, Duplex, Super Duplex

Seats: Neoprene CR, Natural Rubber, NQ, Silicon Rubber, Hypalon

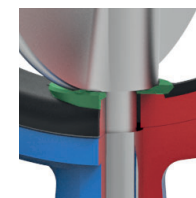
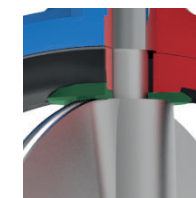
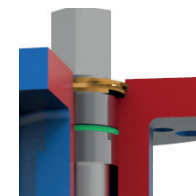
Rotating system

2, 3 or 4 bushing per size to guarantee a perfect alignment and very smooth operations



Sealing system / Anti blow out stem

Stem with integral T-type shoulder to provide blow-out proof effectively
Seat design and internal disc to stem connection isolates the line media from the body and stem.



Automation options



Hand lever-operated



Gear operated



Electric actuator



Spring Return and double acting



ATEX 2019/34/UE



PED 2019/68/UE



TA-LUFT
VDI 2440



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