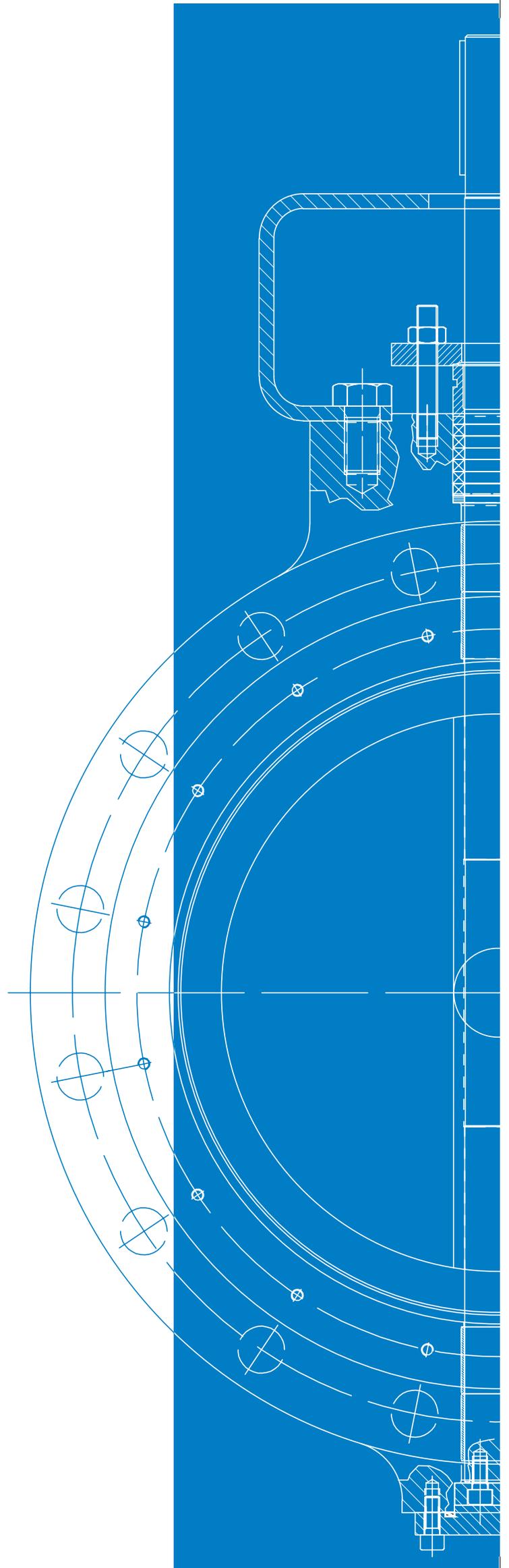




CVB VALVES S.R.L.

# Concentric Rubber Lined Butterfly (BFL)

Oil & Gas, Naval , Petrochemical, Water,  
Energy & Desalination Fields



# CONCENTRIC RUBBER LINED BUTTERFLY (BFL)

CVB Butterfly Valves BFL series have excellent performance, easy maintenance and component interchangeability that provides reliability and serviceability.

## CORE FEATURES

- Monobloc or two pieces body
- Seat with rigid ring
- Split shaft with low pressure drop
- Wide range of materials

## BENEFITS OF BFL SERIES

### Monobloc body:

- Available for wafer, lug or flanged style
- To ensure maximum security and reliability
- Available with extended neck to enable piping insulation
- Wafer style body with shaped ring to ease valve installation and centering within the pipe flanges

### Two pieces body:

- Design to allocate PTFE seat ring

### Disc:

- Design to minimize pressure drop
- Polished sealing area in the entire perimeter to provide total sealing and ensure low operating torque

### Shaft:

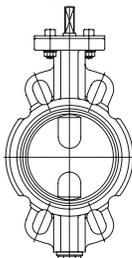
- Upper shaft transmits the rotation movement to the disc by means of square drive up to 10" eliminating the existence of taper pins, keys and studs, removing the possibility of wear and leakage by there parts; upper shaft fixed to the body through a spring pin, defining the "anti extrusion" system, avoiding the shaft being extruded from the body
- Lower shaft fixed to the body through a spring pin, defining the Trunnion system of the set, ensuring perfect alignment between body, disc and shaft

### Actuation:

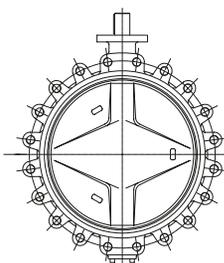
- Top flange allows easy coupling to manual, pneumatic and electric actuators
- ISO 5211 standard



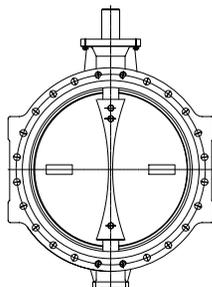
BFL\_WAFER



BFL\_LUG



BFL\_FLG



## PRODUCTION RANGE

Nominal diameter  
2" – 120" (50 - 3000 mm)  
Larger size upon request

## RATING

ANSI Cl.150  
NP 6 -10 - 16

## BODY STYLES

- Wafer
- Lug
- Double Flanged

For FtF dimensions, please refer to relevant technical brochure

## PRESSURE LIMITS

From vacuum  
up to +20 bar (290 psi)

Please refer to relevant technical brochure related to seat material

## TEMPERATURE LIMITS

From -20°C (-4°F) up to +150°C (+302°F)

Please refer to relevant technical brochure related to seat material

## MATERIALS

- Cast and Ductile iron
- Carbon Steel
- Stainless Steel
- Duplex - SuperDuplex
- Bronze Aluminium

## SEAT MATERIALS

- NBR
- EPDM
- Viton
- PTFE
- Hypalon
- Neoprene
- Silicone

## APPLICABLE STANDARDS

Design:  
ANSI B16.34/ ASME VIII/ API 609  
Face to face:  
API 609 A / ISO 5211 / DIN 3337  
Flange:  
B16.5/ B16.47/ASME VIII/ DIN/ ISO/  
UNI/ AWWA M  
Testing:  
API 598  
Fugitive emission:  
ISO 150484-1  
NORSOK