

CONCENTRIC RUBBER LINED BUTTERFLY VALVES

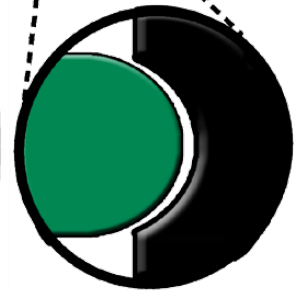
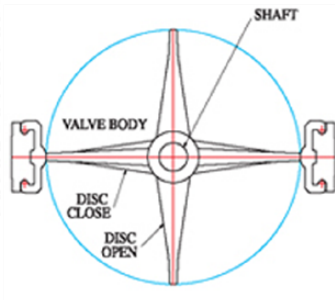
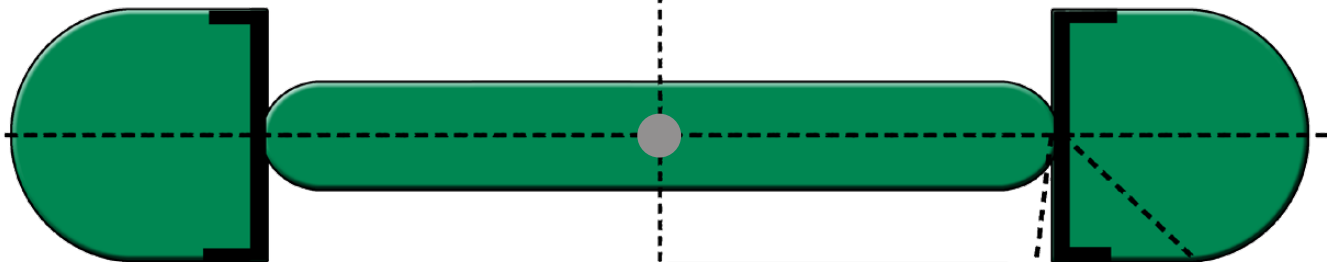
Concentric Design Key Features

- Bi-directional, bubbletight shut off.
- Low maintenance requirements.
- Wide operating temperature, coupled with excellent media resistance.
- Low torque figures.
- Three different patterns available - Wafer, Lugged and Flanged.
- The single piece body is fully rubber lined with a centric disc construction.
- Body liner/seat available in a replaceable or a bonded version.
- Shaft is triple sealed to prevent any fugitive emission or secondary leakage.
- Seat liner extends on to the flange contact faces, eliminating the need for separate flange gaskets during installation.
- A low cost, economical solution.
- Wide range of operating methods including lever, gearbox and electric / pneumatic / hydraulic actuated packages.



Technical Specification

Body type & end connection	Size range	Pressure range	Operating temperature range:
Wafer / Lugged / Flanged	40 NB to 1800 NB	Up to 20 bar	(Depending on MOC) -40°C to 200°C
Available material of construction (MOC):			
Ductile Iron / Cast Iron		e.g. GGG40, GG25	
Carbon Steels inc Low Temp		e.g. WCB, LCB	
Austenitic/Super Austenitic Stainless steels		e.g. CF8, CF8M, CF3M, 6MO	
Copper alloys		e.g. Aluminium bronze	
Duplex/Super Duplex alloys (1A-6A)		e.g. CD3MWCuN, CD4MCuN	
Superalloys		e.g. Hastelloy® B, C, Inconel	
Nickel alloys		e.g. Monel®, Alloy 20	
Others upon request		e.g. Titanium	
Shaft:		Testing Standards:	
AISI 410, AISI316, 17-4Ph, Monel® K500, UNS32760, Titanium		API 598 (Others on request i.e. API 6D)	
Seat		Applicable Design Standards:	
Nitrile, Viton, Hypalon, EPDM, Silicone, Neoprene		API609 Category A, ASME B16.34, BS EN593	

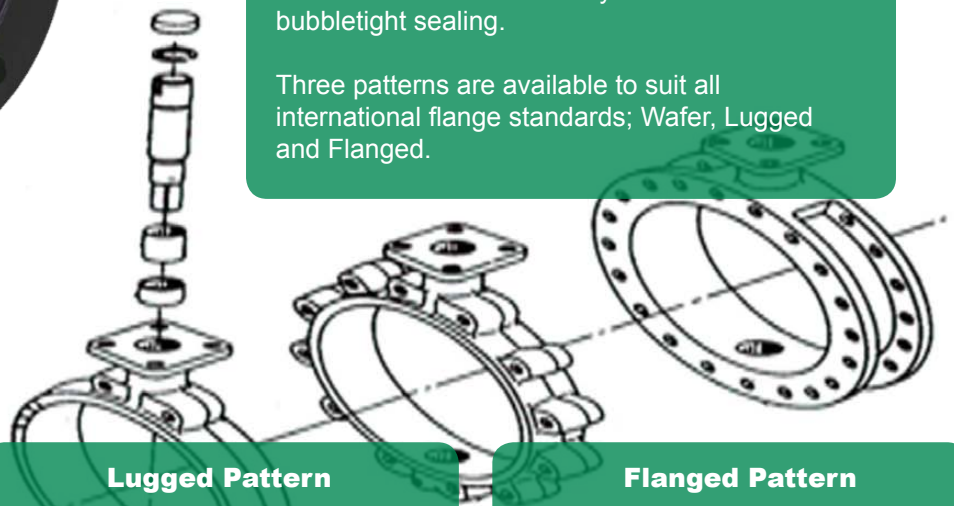


Concentric Design:

The shaft is situated in the centre of both the seal and the bore - allowing the disc to rotate around the centre axis 360°.

The soft seat is deformed by the Disc to achieve bubbletight sealing.

Three patterns are available to suit all international flange standards; Wafer, Lugged and Flanged.



Wafer Pattern

Cheap/Economic Solution

Lightweight

Universal Design, fits all International flange standards

Lugged Pattern

Precision centering of valve between flanges during installation

Can be installed at end of line

Universal Design, fits all International flange standards

Flanged Pattern

Allows easy joining/ disconnecting of separate pipe sections.

Can be installed at end of line

Universal Design, fits all International flange standards