

Plug Valves - fully lined, dead - space - free design

Ideally suited for throttling and shut-off for virtually all process media in either liquid, gaseous or powdery state. They present an optimum solution to severe corrosive, erosive and abrasive service.

Advantages

- Cavity-free design
- Bubble tight shut-off throughout the full temperature and pressure range
- Zero stem leakage provided by an innovative stem sealing mechanism
- Industry proven, maintenance-free design
- Maximum flow rates at lowest pressure drops
- Maximum permeation protection
- Consistent low operating torque through cylinder plug design and resilient liner / plug contact

Rigid Testing

Every assembled valve is spark tested with 10,000 volts to assure liner integrity. Each valve is also pressure tested with 10 resp. 16 bar air (150 resp. 225 psi) to assure bubble tight service

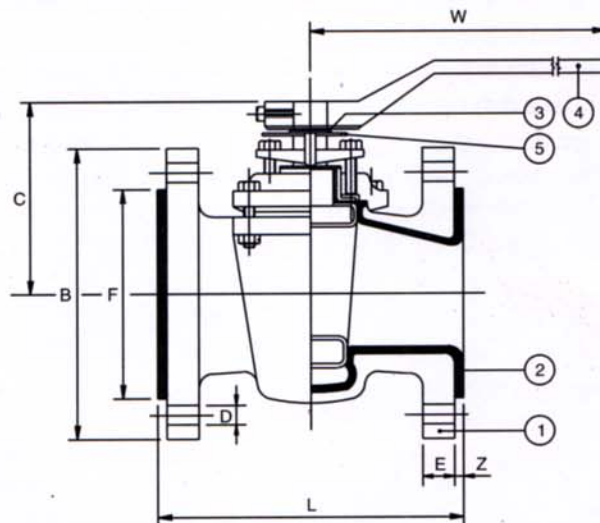
Design Features

- Heavy duty robust design
- Flanges according to DIN PN 16 resp. ANSI 150 lbs for installation into existing piping systems
- Two-piece design body ductile iron / cast steel coated with corrosive resistance paint
- Top entry one-piece plug/stem

Operating Conditions

Temperature range from -40°C up to $+230^{\circ}\text{C}$, depending on lining materials

Pressure range from vacuum up to 16 bar (225 psi)



Standard Materials

Body Cover	:	made of Ductile Iron or cast steel.
Body Liner	:	made of FEP or PFA. Consistent uniform liner thickness provides max. permeation protection, with a minimum wetted lining thickness of 3.0 mm (0.12 inch)
One piece Plug/Stem	:	made of D.I. / C. S. Ball core (FEP or PFA encapsulated. Uniform lining of min. 2.5 mm (0.1 inch) provides max. permeation, structural integrity under vacuum
Bolts/Studs/Nuts	:	B7, 2H & SS 304
Body seat / Stem seal	:	PTFE

Full port plug valves dimensions : Face to face length are as per : ANSI B16.10, class 150 lbs
Flange drilling and dimension : ANSI B16.5 class 150 lbs

Size DN	25	40	50	80	100
Length "L"	127	165	178	203	229
Height Max.	160	200	230	310	350

All dimensions are in mm. unless otherwise stated