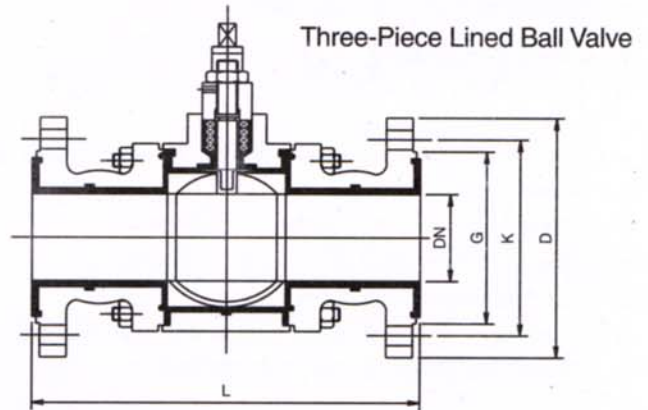
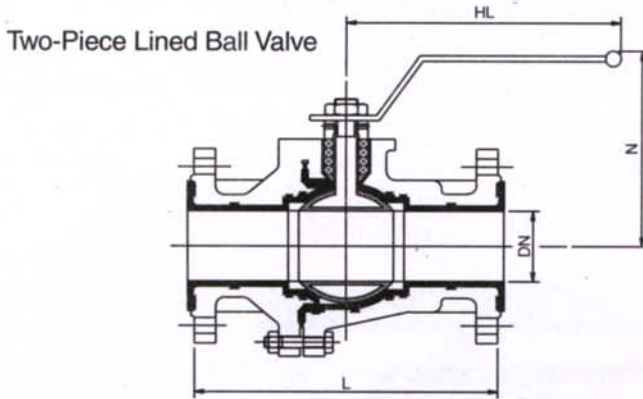


Lined Ball Valves - Ideal for shut-off requirements

"PHOENIX" Lined Ball Valves are ideally suited for fluid flow application requiring assured performance, tight shut-off and superior stem seal design. These full port ball valves offer the lowest available pressure drop, reducing pumping and energy costs, because their large flow path design matches up to pipe I. D. and allows smooth, straight-through flow. In addition, the floating ball design assures bubble-tight shut-off across the full pressure range, from vacuum to 225 psig.



Design Features

- Rugged two/three piece design body halves made from ductile iron (ASTM A 395) or cast steel (A 216 WCB)
- Full port design resulting in high CV-value, especially required when high viscosity liquids have to be controlled
- Ball-stem all molded in one piece ensures uniform support of the ball, keeping pressure on the seat constant under all pressure conditions, reducing wear and tear on the seat which results in increased operating life.
- Available in DIN/ANSI face to face dimension which allows an easy replacement of plug valves.
- The FEP / PFA lining min. 3 mm thick and high quality molding offers highest corrosion - resistance.
- The liner is locked to the casting by means of machined dovetails in the casting, permitting the valve to be used in high temperature and vacuum without the possibility of a liner collapse.
- Bubble tight shut-off throughout the full temperature and pressure range.

Operating Conditions

Temperature range from -40° C up to +230° C depending on lining materials.

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

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.

Standard Materials

Body	:	made of Ductile Iron (ASTM A 395) 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 Ball/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 protection, structural integrity under vacuum
Bolts/Studs/Nuts	:	B7, 2H & SS 304
Body seat / Stem seal	:	PTFE / Gore-Tex® 100% Expanded PTFE

Full port Ball valves dimensions : Flange Drillings and dimensions are as per ANSI B 16.5 class 150 lbs.

	Size DN	25	40	50	80	100	150
As per ANSI B16.10	Length "L"	127	165	178	203	229	395
✂ As per DIN 3202	Length "L"	160	200	230	310	350	480
	Height Max.	115	140	175	265	325	470

All dimensions are in mm. unless otherwise stated