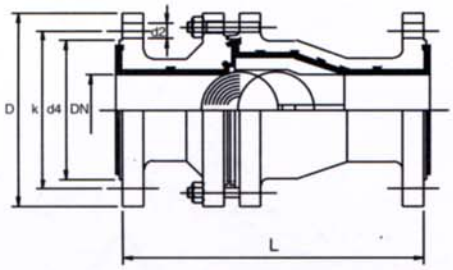
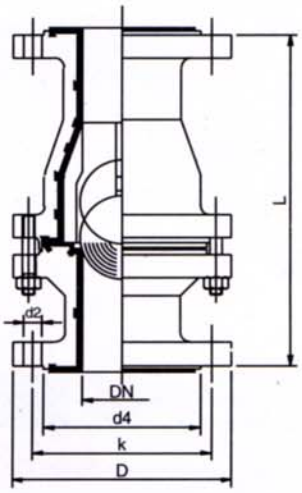
Lined Ball-Check Valves - Ideal for non-return flow control requirements

"PHOENIX" Lined Ball check valves are ideally suited for non-return flow control for virtually all existing fluids including semifluidic, pasty, powdery and gaseous media - to be installed horizontally or vertically between flanges as per ANSI 150 lbs.

Valves are normally equipped with solid balls. Hollow balls are also available on customer request.





Design Features

- Full port
- Maximum flow rates at lowest pressure drops
- Maximum permeation protection
- Two-piece design body ductile iron / cast steel coated outside with corrosive resistance paint
- Industry proven, maintenance-free design
- 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.

Operating Conditions

Pressure Max.	:	10 bar (150 psi)
Temperature Range	:	-40° C up to +230° C

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)
Ball	:	PTFE
Bolts/Studs/Nuts	:	B7, 2H & SS 304
Body seat / Stem seal	:	PTFE

Full port Ball-check valves dimensions : Flange drilling and dimension : ANSI B16.5 class 150 lbs

Size DN	25	40	50	80	100	150
Length "L"	~~127~~ 152	~~165~~ 178	203	241	292	406

All dimensions are in mm. unless otherwise stated