

WATERFRONT

SILENT CHECK VALVE

SPECIFICATION

The WATERFRONT Globe Style Silent Check valve can operate in any position. They are easily to install and dismantle. Silent check valve will begin to close at the forward flow velocity diminishes and be fully closed at zero velocity preventing flow reversal, thereby preventing water hammer and damaging shock normally associated with valve shut-off.

Suitable for waterworks, fire fighting, air conditioning, sea water and etc.



DESIGN

Body - Globe Style with greater area of inner body assures minimal pressure drop; Tear-Drop contour allows streamline flow; minimal height for strength and rigidity.

Seat - Drop-Tight seating and easily removed in field.

Disc - They are in concave shape to the flow direction providing for disc stabilization, maximum strength and a minimal flow velocity to fully open the valve.

Spring - High grade stainless steel to ensure the long working life and design to withstand 100,000 cycles without failure and exert a force which allow the valve to start opening at a differential pressure of 0.03 bar.

FLANGE DRILLING

To suit BS EN1092-2 PN10/16/25

PROTECTIVE COATING

Epoxy coating material, approved for potable water service to BS6920.

TESTING

All the valves are machine tested to the nominal pressure and on the body to the test pressure in accordance with BS EN12266-1

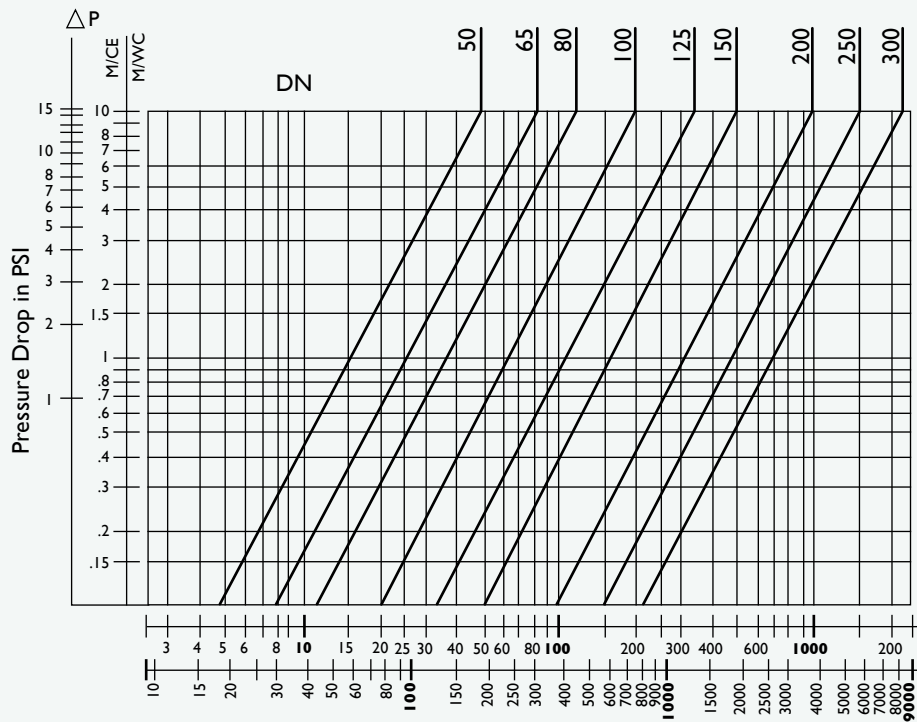
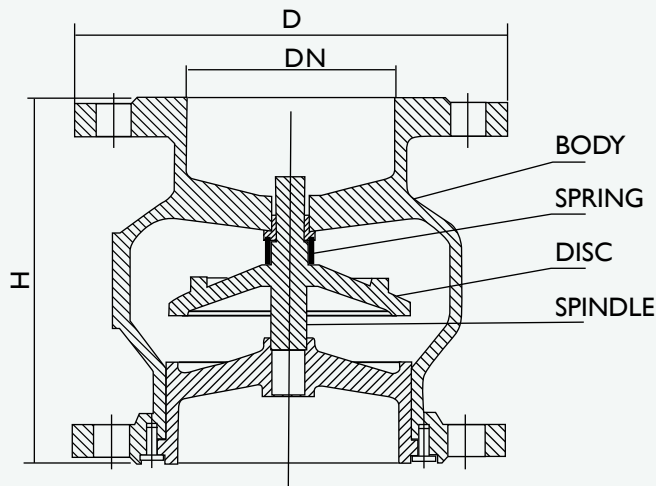
Working pressure	Body Test Pressure	Seat Test Pressure
16 Bar	24 Bar	17.6 Bar
25 Bar	37.5 Bar	27.5 Bar

FIGURE NUMBER INDEX

Series 636	PN16
Series 637	PN25

MATERIAL

COMPONENT	STANDARD	OPTIONS on request
Body	Spheroidal Graphite Cast Iron (Ductile Iron) BS EN1563-EN-GJS-450/10 or 500/7	> Grey Cast Iron BS EN1561-EN-GJL-250
Disc Spindle Spring	Stainless Steel BS EN10088 Grade 1.4301 (304)	> Stainless Steel BS EN10088 Grade 1.4401 (316)
Valve Seat	Stainless Steel BS EN10088 Grade 1.4301 (304)	> Stainless Steel BS EN10088 Grade 1.4401 (316) > EPDM BS EN681-1 and BS6920



DIMENSION (mm)

DN	H	D	
		PN16	PN25
50	140	165	165
65	140	185	185
80	152	200	200
100	185	220	235
125	216	250	270
150	248	285	300
200	340	340	360
250 to 600	REFER DRAWING		

HEAD LOSS CHART

WATERFRONT FLUID CONTROLS WATERFRONT ENGINEERING SERVICES

Unit 6, Elderpark Workspace, 100 Elderpark Street, Glasgow, G51 3TR.

Tel: (44) 0141-5856750 Fax: (44) 0141-5856751

Website: www.waterfrontfluidcontrols.co.uk www.waterfrontengservices.co.uk