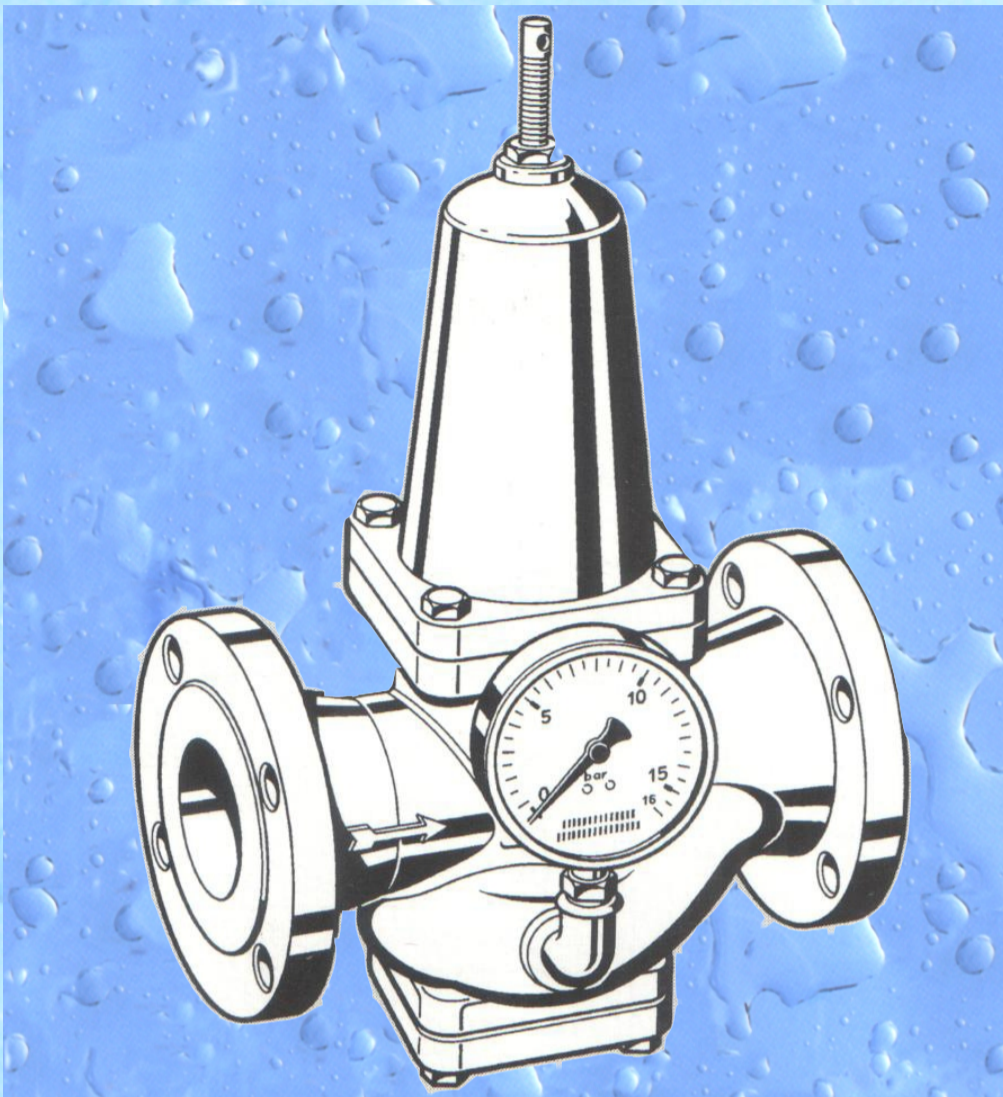


## Direct Acting Pressure Reducing Valve - W6



### Range of Application / Data :

Medium : Water, compressed air, nitrogen.  
Inlet pressure : Max 15.0 kg/cm<sup>2</sup>  
Outlet pressure : 1.5 - 5.0 kg/cm<sup>2</sup>  
Operating temp : Max 70° C  
Installation : In Horizontal Line Only With Bonnet Facing Up.

### Method of Operation:

Spring loaded pressure reducing valves operate by means of a force equalising system. The force of a diaphragm operates against the force of an adjustment spring. If the outlet pressure & therefore diaphragm force fall because water is drawn, the then greater force of the spring causes the valve to open. The outlet pressure then increases until the force between the diaphragm & the spring are equal again. The inlet pressure has no influence in either opening or closing of the valve. Because of this, inlet pressure fluctuation does not influence the outlet pressure.

### Application:

W6 PRVs protect installations against excessive pressure in household, industrial applications.

A PRV prevents pressurisation damage and helps save water. The set pressure is also maintained constant even when there is a wide inlet pressure fluctuation. This also helps reduce flow noise in the installation.

### Special Features:

- Adjustment for setting outlet pressure
- Connection for outlet pressure gauge
- Adjustment spring not in contact with water.
- Servicing and maintenance without removal from pipeline.

### Material of construction :

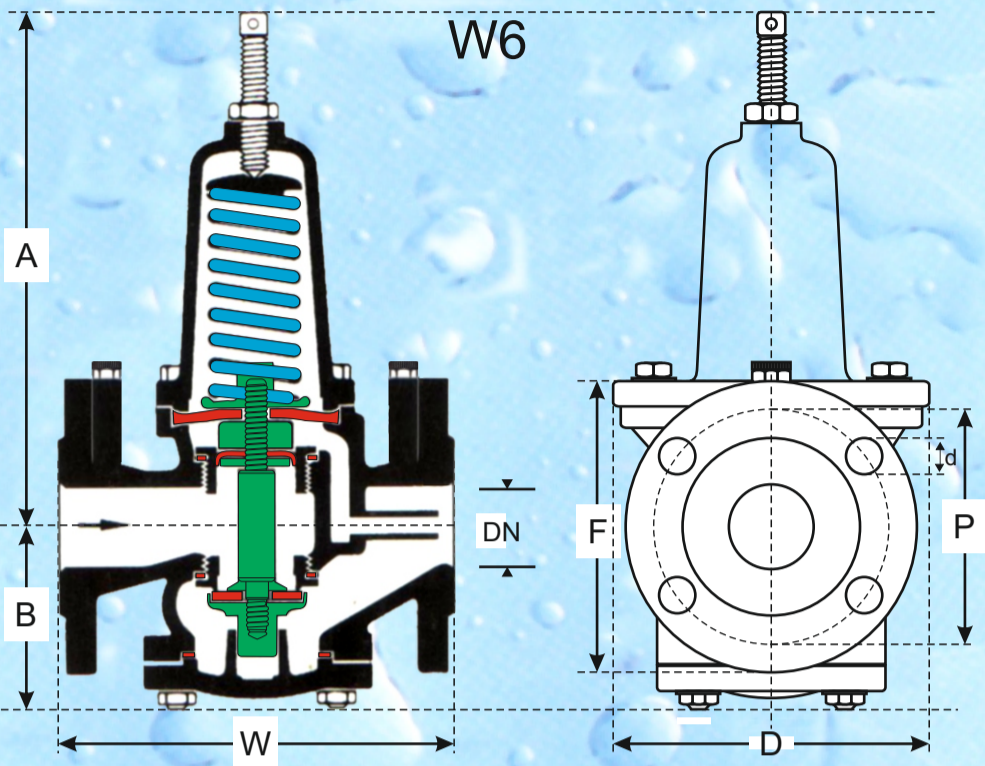
Body : W6 G-Gun Metal  
W6 C - C.I. Body\*

\*Body with coating on inside and outside for corrosion resistance.  
Ecoating for non drinking water \*.  
Food grade epoxy coating for drinking water lines.

Internals : Brass  
Bonnet : Cast Iron  
(External Powder Coated)  
Valve Seat : Brass  
Piston : SS 316  
Diaphragm : NBR  
Seals : NBR  
Spring : Spring Steel  
Nuts / Bolts : Stainless Steel

\*E-coating is a superior coating with longer life.  
Currently certification for non toxicity is not available

# Pressure Reducing Valve - W6

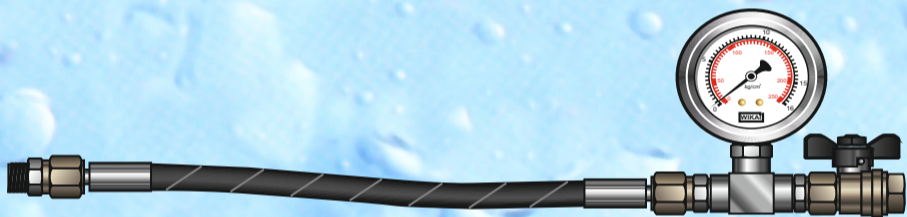


Conn Size DN(mm)	65		80		100
End Connection	Screwed	Flanged	Screwed	Flanged	Flanged
Weight (in kg) For C.I	22	27	36	35	69.5
Kvs Value	45	45	66	66	104
Dimensions (in mm)					
Width	W	250	267	311	310
Height	A	320	320	365	365
Height	B	122	122	145	177
Depth	D	185	185	190	229
Flange Dia	F	-	178	-	191
Hde Dia	d	-	19	-	19
No.of Holes	n	-	4	-	8
Pcd of Holes	P	-	140	-	152

\* Flanges as per ASA 150

## Accessories

### PTK-1 Pressure testing Kit



For checking & setting of pressure on PRV

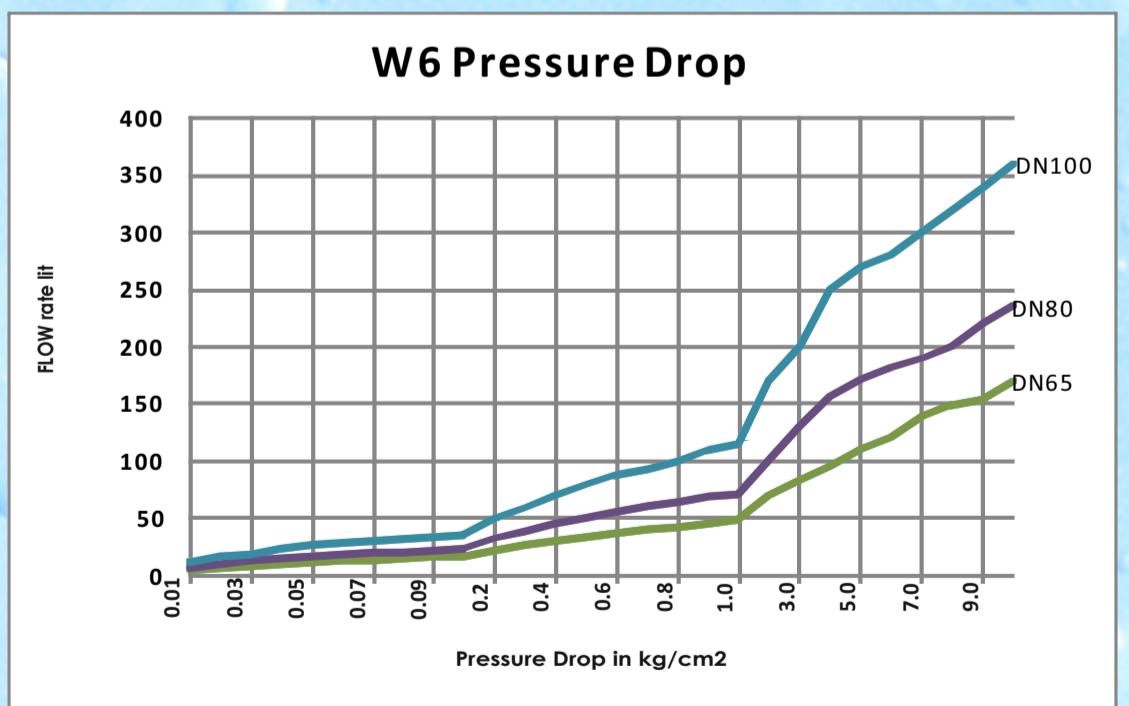
### Installation Guidelines

- If possible install in horizontal pipe work with the spring bonnet upwards. In other positions wear on the diaphragm, U-seal etc. is greatly increased. Fit Shut off Valve before the PRV to allow servicing and maintenance.
- Ensure good accessibility for ease of maintenance, inspection, pressure checking & setting.
- Install EasyClean™ strainer before the W6 PRV to protect against dirt, sand particles and ensure consistent pressure control.
- If sufficient space is available, it is recommended that a straight section of pipe work of at least five times the nominal valve size is provided after the PRV.

### ECS- Easyclean™ Strainer



To be installed upstream of W6 PRV For protection against dirt.



\*We reserve the right to make any changes in this catalogue or modify any design or to withdraw without any prior notice.

Mfg. By