



BOSS™ 217

Pressure Reducing Valve

Data Sheet

General Description

A WRAS Approved Ductile Iron Flanged valve to reduce the high pressure in a system to a lower pressure.

Suitable for use in Commercial and Industrial Potable Water Systems

Codes

65mm - 28110360

80mm - 28110371

100mm - 28110382

150mm - 28110401

Technical Specification

Connections:

Flanged PN16 BS EN1092-2

Working Temperature:

0 - 80°C

Maximum Inlet Pressure:

16 Barg

Outlet Pressure Range:

2 - 8 Barg (adjustable)

Factory Pre-set Pressure:

4.5 Barg

Filter size:

20 mesh (0.8mm)

Installation:

Horizontal

Vertical (flow direction Upwards Only)

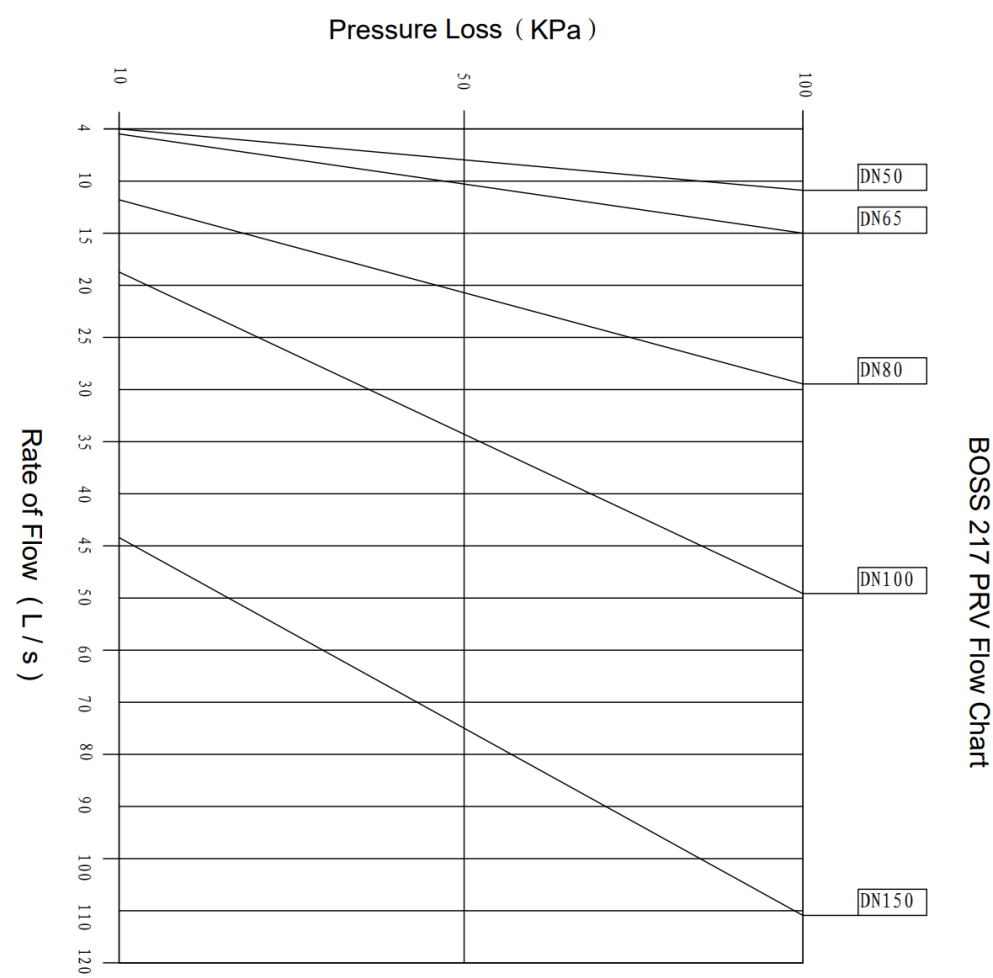
Warranty Period:

12 months

Fitted with Inlet & Outlet Pressure Gauges as standard

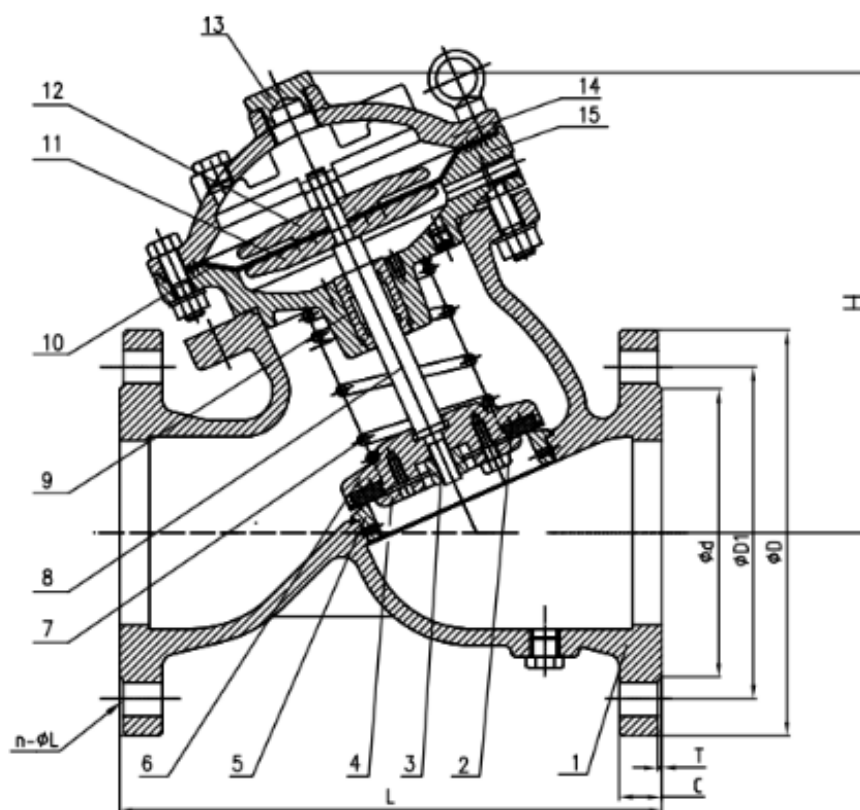
	Material	Specification
Valve Body, Bonnet & Gland	Ductile Iron	BS EN-GJS-450-10
Disc	Ductile Iron	BS EN-GJS-450-10
Stem	Stainless Steel	SS304
Seat	Stainless Steel	SS304
Diaphragm	EPDM + Nylon	
Cap Plug	Brass	H62
Epoxy Coating Colour		RAL5005

Flow and Pressure Loss Chart

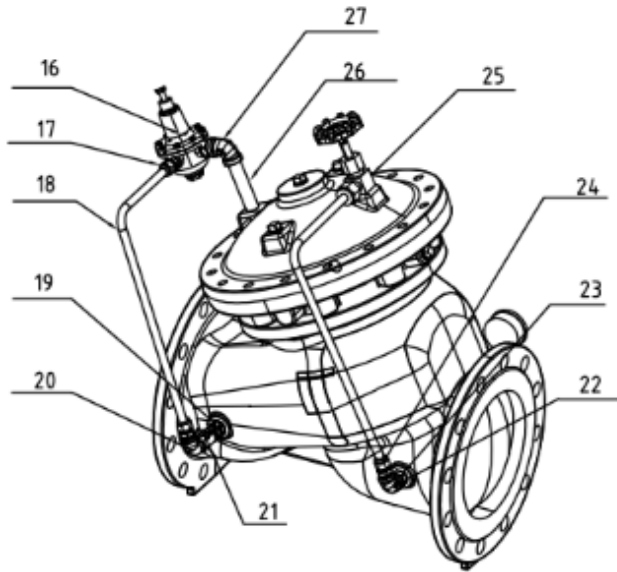


Dimensions (all dimensions shown in mm)

DN		PN	Dimensions (mm)								Weight (Kg)
Inch	mm		L	H	D	D1	d	C	T	n-øL	
2.5"	65	PN16	216	195	185	145	118	19	3	4-ø19	18.33
3"	80	PN16	241	215	200	160	132	19	3	8-ø19	24.32
4"	100	PN16	292	255	220	180	156	19	3	8-ø19	32.65
6"	150	PN16	356	360	285	240	211	19	3	8-ø23	69.73



Materials of Construction



No	Component	Specification
1	Valve Body	EN-GJS-450-10
2	Main Gasket	EPDM
3	Disc Head	SS304
4	Gland of Main Disc	EN-GJS-450-10
5	Seat	SS304
6	Main Disc	EN-GJS-450-10
7	Spring	SS304
8	Stem	SS304
9	Bushing	C89833
10	Diaphragm	EPDM

11	Bottom Gland	EN-GJS-450-10
12	Up Gland	EN-GJS-450-10
13	Cap Plug	SS304
14	Up Bonnet	EN-GJS-450-10
15	Middle Bonnet	EN-GJS-450-10
16	Pilot Valve	SS304
17	Bite Type Fittings	SS304
18	Steel Pipe	SS304
19	Hexagon Nipple	SS304
20	Street Elbow	SS304
21	Ball Valve	SS304
22	Elbow	SS304
23	Built-In Filter	SS304
24	Bite Type Fittings	SS304
25	Needle Valve	SS304
26	Steel Pipe Nipple	SS304
27	Street Elbow	SS304
28	Plug	SS304

29	Hexagon Nipple	SS304
30	Pressure Gauge	SS304
31	Pressure Gauge Connection	SS304
32	Street Elbow	SS304
33	Ball Valve	SS304