

Model SD-PRV-G300W

Product Description

Model No	Valve Size		End Connection	Rated Working Pressure		Flow Range		Outlet Pressure Range		Remarks
	in	(mm)		psi	(kPa)	gpm	(m³/hr)	psi	(kPa)	
SD-PRV-G300W	2	(50)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	40-200	(9-45)	65-165	(450-1140)	a, b, c, d
SD-PRV-G300W	2 1/2	(65)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	50-250	(11-57)	65-165	(450-1140)	a, b, c, d
SD-PRV-G300W	3	(80)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	80-400	(18-91)	65-165	(450-1140)	a, b, c, d
SD-PRV-G300W	4	(100)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	150-750	(34-170)	65-165	(450-1140)	a, b, c, d
SD-PRV-G300W	5	(125)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	215-1130	(49-257)	65-165	(450-1140)	a, b, c, e
SD-PRV-G300W	6	(150)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	279-1395	(63-317)	65-165	(450-1140)	a, b, c, e
SD-PRV-G300W	8	(200)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	497-1500	(113-341)	65-165	(450-1140)	a, b, c, e
SD-PRV-G300W	10	(250)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	855-4275	(194-971)	65-165	(450-1140)	a, b, c, e

- Remarks:**
- a. Must be installed with an FM Approved pressure relief valve size ½ inch or larger
 - b. Approved when supplied with a main control valve body in ASTM A536 ductile iron
 - c. Approved when supplied with a pilot valve body in ASTM B148 nickel aluminum bronze C95800 or SS304 stainless steel
 - d. Must maintain a 10 psi (69 kPa) or greater differential between inlet and outlet pressures for proper operation
 - e. Must maintain a 15 psi (103 kPa) or greater differential between inlet and outlet pressures for proper operation

Details

Category	Valves, Water Pressure Reducing
Class of Work	1362 - Water Pressure Reduc Valves
Approval Standard	FM 1362 - Pressure Reducing Valves
Certification Type	FM Approved
Listing Country	United Kingdom

Company

Shield Fire Safety and Security Ltd
Unit 3 Endeavor Drive, Basildon, Essex, SS14
3WF, United Kingdom
<http://www.shieldglobal.com>

Additional Info

Fire Pump Installation Systems

Valves, Water Pressure Reducing

A water pressure reducing valve is designed to limit system outlet pressure in a fire protection system. These valves are used in standpipe systems to actively regulate outlet pressures in both static and flowing conditions, and are required for outlets of systems where static pressure could exceed 175 psi (1207 kPa). Water pressure reducing valves employ an active mechanism that compensates for variations in inlet pressures by balancing water pressure in an internal chamber or chambers.

Approval specifications require that a ¾ inch or larger pressure relief valve must be supplied for installation with every water pressure reducing valve. The pressure relief valve must have an adjustment range of 50 psi (345 kPa) or less to 200 psi (1380 kPa) maximum. Approval Specifications also require that a position indicator or pressure gauges must be provided to give a visual indication of all conditions of the water pressure reducing valve, and that means shall be provided to lock or seal the pressure reducing valve at the adjusted pressure setting. FM Approved pressure reducing valves should only be used in accordance with the requirements of FM Property Loss Prevention Data Sheet 3-11 for installation, testing and maintenance.
