



Pressure Reducing Valve

Technical Data

MODEL: 200X

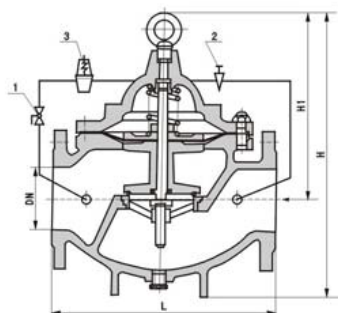
GENERAL DESCRIPTION

Fireguard Pressure reducing valve maintains a preset downstream pressure, regardless of upstream pressure or flow fluctuation. The main valve is controlled by a pilot valve, which makes the main valve modulating to maintain the downstream pressure.

The 200X pressure reducing valve is an intelligent valve that uses the self energy of the medium to regulate and control the pressure in pipes. The 200X pressure reducing valve can be used in domestic water supply, fire fighting water supply and other industrial water supply systems. The outlet pressure of the main valve can be regulated through the adjustment of the pressure reducing valve; the outlet pressure does not vary along with the inlet pressure and inlet flow. Accordingly, the outlet pressure can be safely and reliably maintained at a preset value and the preset value can be adjusted according to actual needs to obtain your pressure reducing goal. This valve is precise in pressure reduction, stable in performance, safe, reliable, easy, convenient to install and adjust and offers a long service life. Pressure Rating: PN10. PN16. PN25/Class150 Size Range: DN20mm-DN800mm (3/4" - 32")

Applications:

- Sprinkler systems
- Deluge Systems
- Foam Systems
- Hydrant Systems
- Hose Reel Systems



1 float pilot valve 2 ball valve 3 needle valve

Valve Parts & Materials:

Main Valve Body and Cover: Cast iron or Ductile iron ASTM A 536

Main valve internals: Stainless steel, Bronze and Coated steel

Diaphragm: NBR (Buna) Nitrile

Electrostatic Powder Coating: Blue or Red (RAL 3000)

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Size & Dimensions:

DN	L	D			D1			D2			Z~d			F1	F	H1	H
		PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25	PN10	PN16	PN25				
50	203	165	165	165	125	125	125	102	102	99	4~18	4~18	4~18	155	330	278	88
65	216	185	185	185	145	145	145	122	122	118	4~18	4~18	8~18	165	350	298	97
80	241	200	200	200	160	160	160	133	133	132	8~18	8~18	8~18	175	365	313	105
100	292	220	220	235	180	180	190	158	158	156	8~18	8~18	8~18	195	410	250	120
125	330	250	250	270	210	210	220	184	184	184	8~18	8~18	8~18	220	455	365	135
150	356	285	285	300	240	240	250	212	212	211	8~18	8~18	8~18	230	475	385	160
200	495	340	340	360	295	295	310	268	268	274	8~18	12~18	12~18	255	530	505	190
250	622	395	405	425	350	355	370	320	320	330	12~18	12~18	12~18	300	623	590	240
300	698	445	460	485	400	410	430	370	370	389	12~18	12~18	12~18	340	700	620	270
350	787	505	520	555	460	470	490	430	430	448	16~18	16~18	16~18	415	840	677	300
400	914	565	580	620	515	525	550	482	482	503	16~18	16~18	16~18	430	880	690	335
450	978	615	640	670	565	585	600	532	545	548	20~18	20~18	20~18	430	880	715	360

Nominal Pressure	1.0MPA	1.6MPA	2.5MPA
Test pressure of the shell	1.5MPA	2.4MPA	3.75MPA
Sealed test pressure	1.1MPA	1.76MPA	2.75MPA
Suitable temperature	≤80°C		
Suitable medium	water		

Installation:

- Allow enough space around the valve assembly for future maintenance
- Install isolating valves upstream and downstream of the valve system
- Install horizontally with cover up
- Install relief valve of appropriate size on the downstream