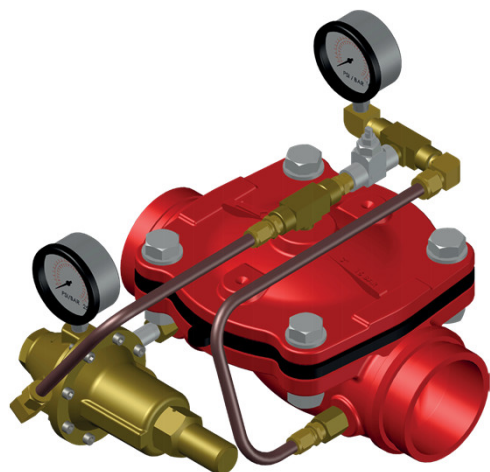




SPECIFICATIONS

Application	Installed in fire protections systems to maintain the desired outlet set pressure regardless of incoming pressure.
Sizes	1½"/DN40, 2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Rated Working Pressure	UL: 17.2 bar / 250 psi FM: 20.7 bar / 300 psi
Outlet Set Pressure	UL: 5.5-13.8 bar / 80-200psi (2" to 3", 8" to 12") 2.4-13.8 bar / 35-200psi (4" & 6") FM: 3.4 – 13.8 bar / 50-200psi
Finish	Fusion bonded epoxy coated, internal and external
Connections	Threaded: BSP or NPT (DN40 & DN50) Flange: ANSI #150 or PN16 EN1092-2 Groove: AWWA C606
Approvals	*UL, FM

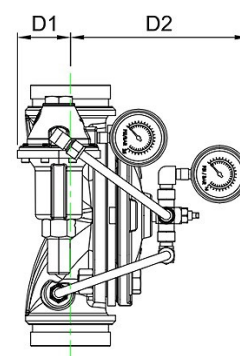
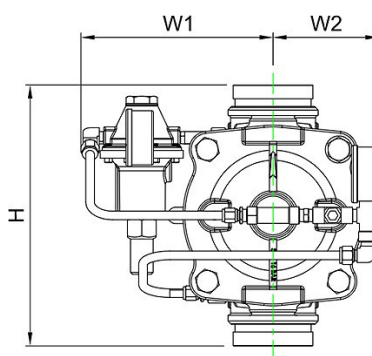
* 2"/DN50 to 10"/DN250 sizes.

Product Dimensions

Size		1½" / DN40	2" / DN50	2½" / DN65	3" / DN80	4" / DN100	6" / DN150	8" / DN200	10" / DN250	12" / DN300
Dimensions (mm)	H	197	198	225	290	346	412	470	635	749
	D1	54	56	54	59	65	88	125	197	234
	D2	158	168	185	197	216	278	348	389	394
	W1	117	115	115	119	133	169	177	233	240
	W2	154	177	204	212	233	281	277	248	248

Materials list

Description	Material
Valve body	Ductile iron, ASTM A536
Valve diaphragm	Nitrile
Pilot valve (17.2 bar / 250 psi) and bracket	Brass, nickel plated (valve) AISI 316 (bracket)
Trim tubing	Copper, Type L
Trim fittings	Brass
Pressure gauge, 90 mm diameter, 1/4" NPT	Stainless steel casing, brass fitting Inlet: 0-25 bar / 0-363 psi Outlet: 0-16 bar / 0-232 psi
Needle valve	Brass, nickel plated



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Pressure Control | Pressure Reducing | Flange & Groove | FK-RV

Part Numbers & Weights

Size	Connection	Material	Finish	Part Number		Weight (Kg)
				Horizontal	Vertical	
1½" / DN40(48.3)	Groove X Groove	Ductile Iron	Fusion Bonded Epoxy / Polyester	FK-PRV3-H048GD	FK-PRV3-V048GD	7.8
2" / DN50(60.3)				FK-PRV3-H060GD	FK-PRV3-V060GD	8.7
2½" / DN65(73.0)				FK-PRV3-H073GD	FK-PRV3-V073GD	15
2½" / DN65(76.1)				FK-PRV3-H076GD	FK-PRV3-V076GD	15
3" / DN80(88.9)				FK-PRV3-H089GD	FK-PRV3-V089GD	16
4" / DN100(114.3)				FK-PRV3-H114GD	FK-PRV3-V114GD	21
6" / DN150(165.1)				FK-PRV3-H165GD	FK-PRV3-V165GD	36
6" / DN150(168.3)				FK-PRV3-H168GD	FK-PRV3-V168GD	36
8" / DN200(219.1)				FK-PRV3-H219GD	FK-PRV3-V219GD	52
1½" / DN40				Flange X Flange (ANSI)	FK-PRV3-H0150FAD	FK-PRV3-V0150FAD
2" / DN50	FK-PRV3-H0200FAD				FK-PRV3-V0200FAD	12
2½" / DN65	FK-PRV3-H0250FAD				FK-PRV3-V0250FAD	15.5
3" / DN80	FK-PRV3-H0300FAD				FK-PRV3-V0300FAD	21.5
4" / DN100	FK-PRV3-H0400FAD				FK-PRV3-V0400FAD	28
6" / DN150	FK-PRV3-H0600FAD				FK-PRV3-V0600FAD	52
8" / DN200	FK-PRV3-H0800FAD				FK-PRV3-V0800FAD	70
10" / DN250	FK-PRV3-H1000FAD				FK-PRV3-V1000FAD	111
12" / DN300	FK-PRV3-H1200FAD				FK-PRV3-V1200FAD	142
1½" / DN40	Flange X Flange (PN16)				FK-PRV3-H0150FPD	FK-PRV3-V0150FPD
2" / DN50				FK-PRV3-H0200FPD	FK-PRV3-V0200FPD	12
2½" / DN65				FK-PRV3-H0250FPD	FK-PRV3-V0250FPD	15.5
3" / DN80				FK-PRV3-H0300FPD	FK-PRV3-V0300FPD	21.5
4" / DN100				FK-PRV3-H0400FPD	FK-PRV3-V0400FPD	28
6" / DN150				FK-PRV3-H0600FPD	FK-PRV3-V0600FPD	52
8" / DN200				FK-PRV3-H0800FPD	FK-PRV3-V0800FPD	70
10" / DN250				FK-PRV3-H1000FPD	FK-PRV3-V1000FPD	111
12" / DN300				FK-PRV3-H1200FPD	FK-PRV3-V1200FPD	142

** Weight available on request

For Threaded Model number, contact your local Viking Sales office.

Installation

1. The Fireking FK-PRV3 is supplied factory assembled and tested. The pilot valve set pressure is field adjustable. The needle valve is factory pre-set and is not field adjustable. Changes to the trim arrangement may influence the performance of the valve and the product approval.
2. The FK-PRV3 is for installation in WET systems only and must be installed in a location above 4 °C.
3. The FK-PRV3 can be mounted horizontally or vertically but the correct orientation must be specified at the time of ordering. It is possible to convert the orientation on-site – contact us for further details.
4. Verify that the flow direction matches the flow arrow on the valve body and
5. Ensure adequate pipework support either side of the valve so that the pipework weight is not loaded onto the valve.

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