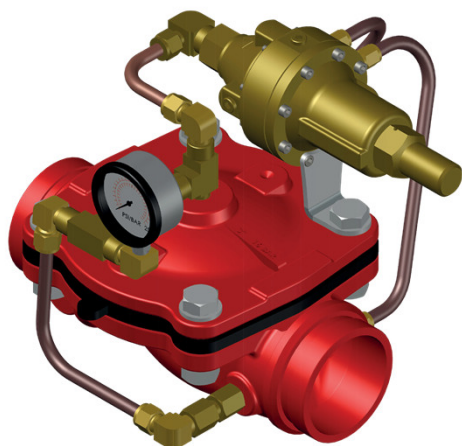




Pressure Control | Pressure Relief | Flange, Groove, Thread | FK-RV



SPECIFICATIONS

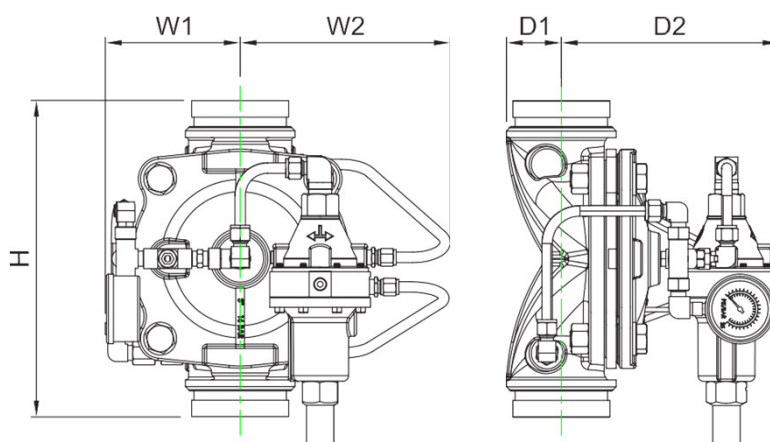
Application	Designed for use in fire protection systems where the relief of excess pressure in a pipe is required.
Sizes	2"/DN50, 2½"/DN65, 3"/DN80, 4"/DN100, 6"/DN150, 8"/DN200, 10"/DN250, 12"/DN300
Rated Working Pressure	UL: 17.2 bar / 250 psi FM: 20.7 bar / 300 psi
Outlet Set Pressure / Relief Pressure Range	UL: 5.5-13.8 bar / 80-200psi (2" to 3", 8" to 12") 2.4-13.8 bar / 35-200psi (4" & 6") FM: 1.4 – 19.3 bar / 20-280psi
Finish	External: Epoxy base & polyurethane Topcoat Internal: Enamel glazing
Connections	Threaded: BSP or NPT (DN40 & DN50) Flange: ANSI #150 or PN16 EN1092-2 Groove: AWWA C606
Approvals	UL, FM

Product Dimensions (mm)

Size		2" / DN50	2½" / DN65	3" / DN80	4" / DN100	6" / DN150	8" / DN200	10" / DN250	12" / DN300
Dimension (mm)	H	190	215	283	303	406	469	634	750
	D1	112	305	296	320	387	478	522	231
	D2	166	147	182	202	212	238	269	238
	W1	211	217	144	151	202	228	279	329
	W2	190	215	283	303	406	469	634	750

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



Note: This document contains basic product information only. For more information, contact your local VIKING Sales Representative. Certificates, test reports and approvals may be published in the OEM name. The contents of this publication are subject to change without prior notice. All rights reserved. Images are purely for illustration only. Fireking™ is a trademark of The Viking Corporation.

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

Part Numbers & Weights

Size	Connection	Material ²	Finish ³	Part Number		Weight (kg)
				Horizontal	Vertical	
2" / DN50(60.3)	Groove X Groove	Ductile Iron	Fusion Bonded Epoxy / Polyester	FK-RV-H060GD	FK-RV-V060GD	10.2
2½" / DN65(73.0)				FK-RV-H073GD	FK-RV-V073GD	16.5
2½" / DN65(76.1)				FK-RV-H076GD	FK-RV-V076GD	16.5
3" / DN80(88.9)				FK-RV-H089GD	FK-RV-V089GD	17.0
4" / DN100(114.3)				FK-RV-H114GD	FK-RV-V114GD	22.0
6" / DN150(165.1)				FK-RV-H165GD	FK-RV-V165GD	38.0
6" / DN150(168.3)				FK-RV-H168GD	FK-RV-V168GD	38.0
8" / DN200(219.1)				FK-RV-H219GD	FK-RV-V219GD	54.0
2" / DN50	Flange X Flange (ANSI)			FK-RV-H0200FAD	FK-RV-V0200FAD	13.8
2½" / DN65				FK-RV-H0250FAD	FK-RV-V0250FAD	17.0
3" / DN80				FK-RV-H0300FAD	FK-RV-V0300FAD	23.0
4" / DN100				FK-RV-H0400FAD	FK-RV-V0400FAD	29.0
6" / DN150				FK-RV-H0600FAD	FK-RV-V0600FAD	53.5
8" / DN200				FK-RV-H0800FAD	FK-RV-V0800FAD	71.5
10" / DN250				FK-RV-H1000FAD	FK-RV-V1000FAD	112.5
12" / DN300				FK-RV-H1200FAD	FK-RV-V1200FAD	143.5
2" / DN50	Flange X Flange (PN16)			FK-RV-H0200FPD	FK-RV-V0200FPD	13.8
2½" / DN65				FK-RV-H0250FPD	FK-RV-V0250FPD	17.0
3" / DN80				FK-RV-H0300FPD	FK-RV-V0300FPD	23.0
4" / DN100				FK-RV-H0400FPD	FK-RV-V0400FPD	29.0
6" / DN150				FK-RV-H0600FPD	FK-RV-V0600FPD	53.5
8" / DN200				FK-RV-H0800FPD	FK-RV-V0800FPD	71.5
10" / DN250				FK-RV-H1000FPD	FK-RV-V1000FPD	112.5
12" / DN300				FK-RV-H1200FPD	FK-RV-V1200FPD	143.5

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

Installation

1. The Fireking FK-RV is supplied factory assembled and tested. The pilot valve set pressure is field adjustable. Changes to the trim arrangement may influence the performance of the valve and the product approval.
2. The FK-RV can be installed on wet piping and must be installed in a location above 4°C.
3. The FK-RV 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.
5. The FK-RV is not an inline valve and should be connected without downstream pressure, i.e. outlet should be connected to atmosphere.
6. Ensure adequate pipework support either side of the valve so that the pipework weight is not loaded onto the valve.

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