



Valves | Water Pressure Relief Valves | **Valves, Water Relief**

LF-PRF

Product Description

Model No	Valve Size		End Connection	Rated Working Pressure		Relief Pressure Range		Rated Pump Capacity		Remarks
	in	(mm)		psi	(kPa)	psi	(kPa)	gpm	(Lpm)	
LF-PRF	2	(50)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	340	(1285)	a, b
LF-PRF	2 1/2	(65)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	460	(1740)	a, b
LF-PRF	3	(80)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	790	(2990)	a, b
LF-PRF	4	(100)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	980	(3710)	a, b
LF-PRF	5	(125)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	1800	(6815)	a, b
LF-PRF	6	(150)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	1400	(5300)	a, b
LF-PRF	8	(200)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	3630	(13 740)	a, b

FM Approvals

Model No	Valve Size		End Connection	Rated Working Pressure		Relief Pressure Range		Rated Pump Capacity		Remarks
	in	(mm)		psi	(kPa)	psi	(kPa)	gpm	(Lpm)	
LF-PRF	10	(250)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	4260	(16 125)	a, b
LF-PRF	12	(300)	Grooved x Grooved Flanged x Flanged Grooved x Flanged	300	(2065)	65 to 300	(450 to 2070)	8020	(30 355)	a, b

Remarks:

- a. Approved when supplied with a main control valve body in ASTM A536 ductile iron
- b. Approved when supplied with a pilot valve body in one the following materials: ASTM B148 nickel aluminum bronze C95800 or SS304 stainless steel

Details

Category	Valves, Water Relief
Class of Work	1361 - Water Pressure Relief Valves
Approval Standard	FM 1361 - Water Pressure Relief Valves
Certification Type	FM Approved
Listing Country	United Kingdom

Company

Lichfield Fire & Safety Equipment Co Ltd
 Unit 8 Calibre Industrial Park,
 Laches Close, Four Ashes,
 Wolverhampton, Staffordshire
 WV10 7DZ
<http://lifeco-uk.com>

FM Approvals

Additional Info

Fire Pump Installation Systems

Valves, Water Relief

A water relief valve is designed to relieve excessive pressures in a water supply system. It is also used in the discharge line of a fire pump to limit the pressure developed by the pump.

Approval specifications require that a valve, set to operate at 100 psi (690 kPa), will discharge the full rated pump capacity without permitting the pressure to rise above 125 psi (860 kPa). It is designed to permit the removal of all working parts without removing the valve from its pipe connections. Sufficient clearance of all moving parts prevents sticking and avoids faulty operation.
