

Engineering Specification

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Model FP53L-M1

Pressure Relief Valve

Size: 1/2"

Watts No. FP53L-M1 is designed for use in fire protection grid systems to provide protection against excessive water pressure caused by thermal expansion or line surge. It is available in 175psi (12.1 bar), 225psi (15.5 bar) and 300psi (20.6 bar) pressure relief settings and can be installed horizontally or vertically.

Brass body construction with external, non-wetted spring assembly to ensure long life and prevent corrosion. The valve is constructed to provide consistent and proper reseating. The test lever affords periodic manual testing and flushing of waterways and seating surfaces. Hydro test lever allows convenient pressure testing of system beyond valve pressure set point.

Features

- Underwriters Laboratory listed and FM approved to 300psi
- Brass body construction for superior strength and corrosion prevention
- Manual test lever can latch valve open
- Manual hydro-test lever can latch valve closed
- Non-wetted, external spring assembly for long life and corrosion protection
- 1/2" male inlet x female outlet
- Pressure settings: 175psi (12.1 bar), 225psi (15.5 bar) and 300psi (20.6 bar)

Specifications

For applications requiring a UL listing and FM approval relief valve to provide pressure relief protection from water pressure up to 300psi (20.6 bar). Each valve shall be of a non-wetted, external spring assembly design for long life and corrosion resistance. It shall have a test lever that can be latched open and a hydro-test lever that can be latched closed. Watts Model No. FP53L-M1.

Dimensions — Weight

MODEL	SIZE		HEIGHT		LENGTH		WIDTH		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.
FP53L-M1	1/2	3/2	89.4	3 1/8	79.1	1 7/8	39.1	0.57	0.26	



1/2" NPT
Female Outlet

1/2" NPT
Male Inlet



WARNING

Be sure to follow all local fire code requirements regarding the testing and flushing of the fire protection system. Regardless of local fire code requirements, Watts recommends that the valve be operated at least once a year to ensure that the waterways are clear and mineral deposits are flushed away. Before operating the valve, ensure that a properly installed discharge line is connected to the valve and directs the flow of water from the valve to a proper place of disposal. Otherwise, personal injury and/or property damage may occur. If no water flows, the valve is inoperative and you must call a commercial fire protection service professional immediately.

WARNING

This device is designed for emergency safety relief and shall not be used as an operating control.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

NOTICE

Inquire with governing authorities for local installation requirements

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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