

SPECIFICATIONS

MODEL 4005-FA1

Cast bronze valve with rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel. Regulates pressure under both flow and no-flow conditions. Female N.P.T. inlet and outlet. Built in Supervisory Switch. Listed by Underwriters Laboratories as a Floor Control Valve, an Indicating Valve, and as a checking device.

MODEL 4005-FA1-GRV

Cast bronze valve with rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel. Regulates pressure under both flow and no-flow conditions. Grooved inlet and outlet. Built in Supervisory Switch. Listed by Underwriters Laboratories as a Floor Control Valve, an Indicating Valve, and as a checking device.

MODELS 4032-FA1

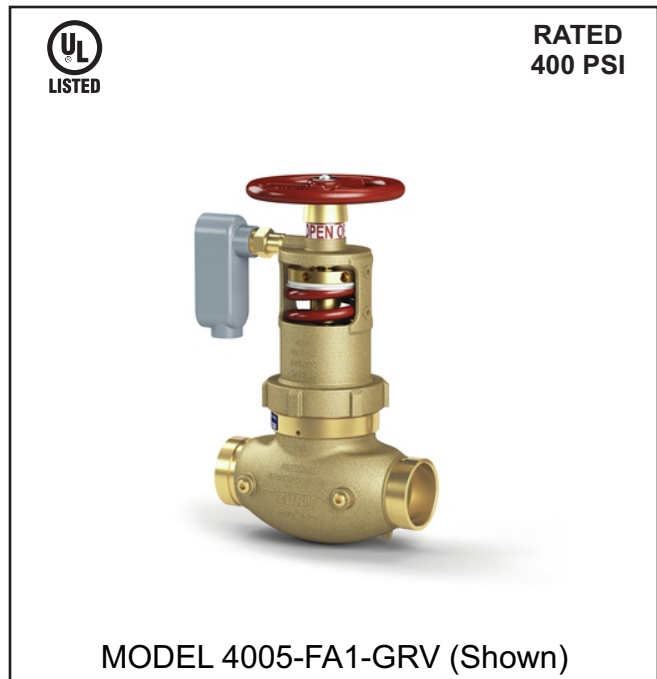
Cast bronze valve with rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel. Regulates pressure under both flow and no-flow conditions. Female N.P.T. inlet and outlet. Built in Supervisory switch. Listed by Underwriters Laboratories as a Floor Control Valve, an Indicating Valve, and as a checking device.

MODELS 4032-FA1-GRV

Cast bronze valve with rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel. Regulates pressure under both flow and no-flow conditions. Grooved inlet and outlet. Built in Supervisory switch. Listed by Underwriters Laboratories as a Floor Control Valve, an Indicating Valve, and as a checking device.

MODEL SELECTION

- 4005-FA1 2-1/2" Straight Female x Female
- 4005-FA1-GRV 2-1/2" Straight Grooved
- 4032-FA1 2-1/2" Angle Female x Female
- 4032-FA1-GRV 2-1/2" Angle Grooved



PRODUCT OPTIONS

FINISHES:

- C Rough Chrome Plated

NOTES:

The in-line installation of a "REG-U-MATIC" sets up a closed system. A relief valve should be installed to eliminate excessive pressure build up due to line surges.

Supervisory switch rated 3 amps @ 125 volts. Normally open contacts standard.

Valves can be factory set and adjusted or set in the field as required.

Tapped and plugged inlet and outlet for pressure gauge (both sides).

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4005-4038 SERIES Date: 10/13/20

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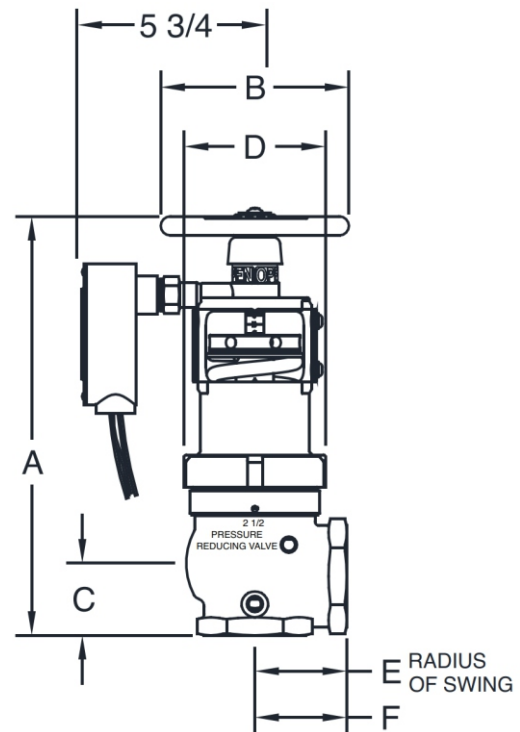
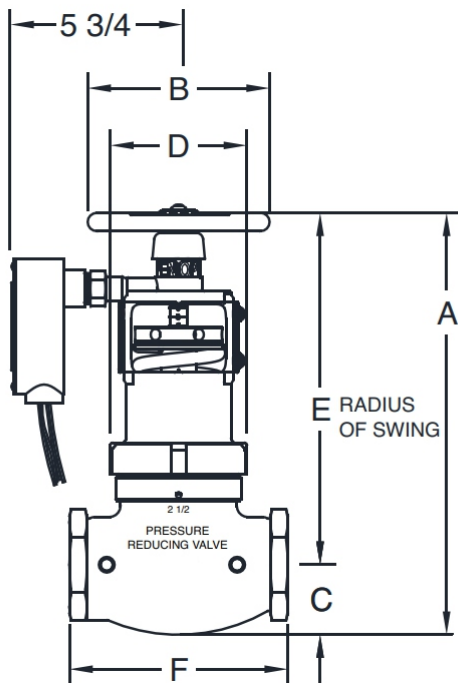
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MODEL DIMENSIONS

MODEL	A Open		A Close		B		C		D		E		F		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
4005-FA1	14-1/2	368	14	356	6-1/4	159	2-1/2	64	5	127	12 7/16	316	7 1/2	191	27.25	12.4
4005-FA1-GRV	14-1/2	368	14	356	6-1/4	159	2-1/2	64	5	127	N/A	N/A	8-3/4	222	27.25	12.4
4032-FA1	13-7/8	352	13/3/8	340	6-1/4	159	2	51	5	127	3-1/2	89	3-1/4	83	23	10.2
4032-FA1-GRV	14-1/2	368	14	356	6-1/4	159	2-1/2	64	5	127	N/A	N/A	8-3/4	222	27.25	12.4



4005-FA1 - 2-1/2" Female N.P.T. Inlet and Outlet
4005-FA1-GRV - 2 1/2" Grooved Inlet and Outlet

4032-FA1 - 2-1/2" Female N.P.T. Inlet and Outlet
4032-FA1-GRV - 2 1/2" Grooved Inlet and Outlet

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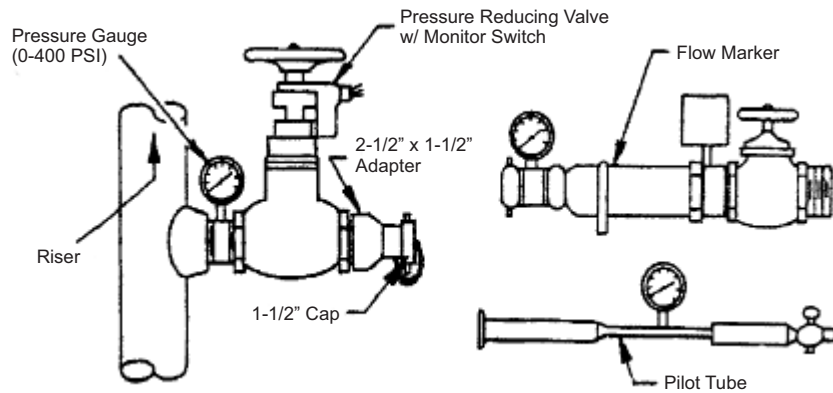
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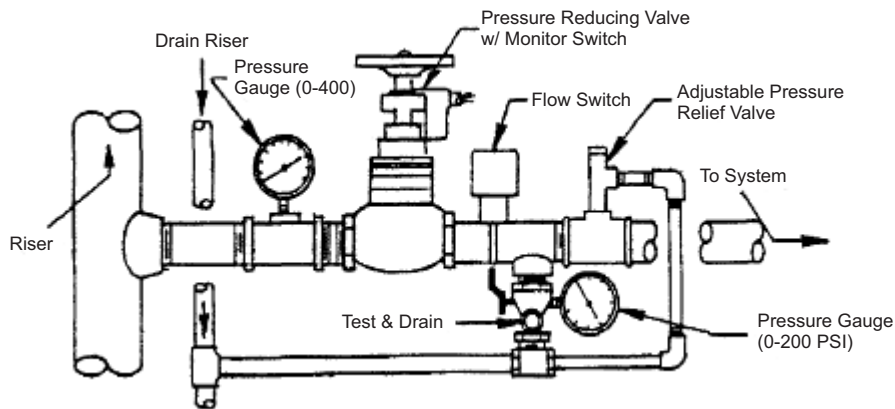
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Recommended Installation:



Pressure Regulating Hose Connection Valve Installation (Fig No. 4035 Shown)



Pressure Regulating Floor Control Valve Installation

TESTING AND MAINTENANCE OF PRESSURE REDUCING VALVES

Pressure reducing valves achieve their function by mechanical means, therefore, the valves must be exercised on a routine basis. If the valves are left in a closed position for long periods of time they may not function within their original design parameters. These valves are an integral part of fire safety systems and the testing and maintenance schedule that follow will provide the owner/operator of the property with years of satisfactory service. To neglect these procedures is an invitation to failure when these valves are most necessary.

Sprinkler Valves

1. Inspect monthly to verify:
 - *In the open position
 - *Not leaking
 - *Maintaining downstream pressures
 - *Handwheel installed and not broken
 - *Downstream Pressure relief valve operates
2. Annual flow test conducted on each valve:
 - *Open the sectional drain valve or test & drain and compare the results with the original installation or acceptance test
 - *Testing in place:
 - Note Pressure reading on upstream and downstream gauges in static mode with sectional drain valve test & drain open
 - Note pressure readings on upstream and downstream gauges in residual mode
 - *See Test Result Procedure

Hose Connection Valves

1. Inspect weekly to verify:
 - *Handwheel installed and not broken
 - *The outlet hose threads are not damaged
 - *Not leaking
 - *The reducer and/or cap are not missing
 - *Pressure gauge registers upstream reading
 - *Monitor switch is operating
2. Annual flow test conducted on each valve:
 - *Test in place by placing a gauge on the downstream side and a flow reading is taken using a pilot tube or a flow meter
 - *See Test Result Procedure

Test Result Procedure Sprinkler Valves & Hose Connection Valves

Readings from the test results are to be compared to the systems hydraulic demands at the location. Field adjustable valves are to be reset if necessary in accordance with the original instructions. Non-adjustable valves that no longer comply with the systems hydraulic demands are to be replaced.