

FEATURES

- Reduces pressure under flow and no flow conditions
- Static pressure rated up to 400 PSI (26.7 BAR)
- Flow rated up to 500 GPM (1893 LPM)
- Low torque manual open/close requires less than 15ft/lbs.
- 4 Pressure gauge taps on both inlet and outlet sides
- Color coded pressure adjustment indicator
- UL listed, complies with NFPA-14

SPECIFICATIONS

MODEL 4021-FA2

Cast bronze angle valve with inside screw rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel.

MODEL 4023-FA2

Cast bronze angle valve with inside screw rising stem, internal parts of brass and chrome silicon. Red aluminum hand wheel.

MODEL SELECTION

- o **4021-FA2** Angle 2-1/2" Female N.P.T. inlet and Outlet
- o **4023-FA2** Angle 2-1/2" Female N.P.T. inlet x Male Hose Thread Outlet
- o **4023-FA2-GV** Angle 2-1/2" Grooved Inlet x Male Hose Thread Outlet
- o **4023-FA2-SF** Angle 2-1/2" Female N.P.T. Inlet x 3" Male NST
- o **4023-FA2-GV-SF** Angle 2-1/2" Grooved Inlet x 3" Male NST



PRODUCT OPTIONS

FINISHES:

- o -C Rough Chrome Plated

THREADS:

- o -NST
- o -OTHER _____

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4021-FA2 & 4023-FA2 SERIES Date:11/10/22

MEMBERSHIP



FIRE EQUIPMENT
MANUFACTURERS'
ASSOCIATION



ONFSA
NATIONAL FIRE SPRINKLER ASSOCIATION, INC.



POTTER ROEMER/FIRE PRO

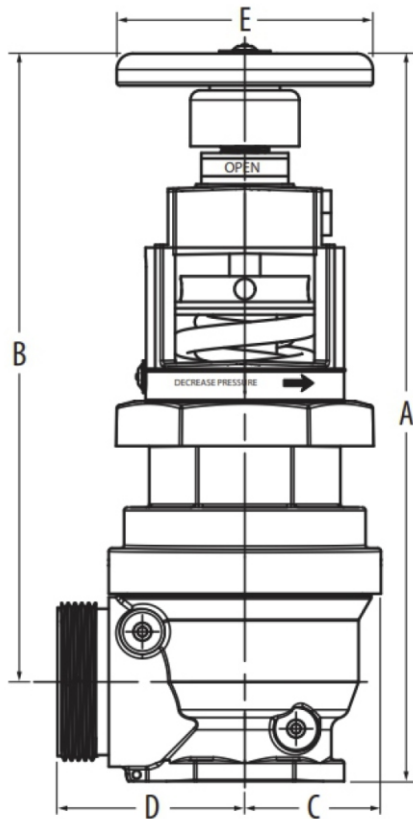
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MODEL DIMENSIONS

Model No.	A Open		A Close		B		C		D		E		Weight	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
4021-FA2	14 1/4	362	13 5/8	346	12 1/8	308	2 5/8	67	3 1/2	89	5	127	28	12.7
4023-FA2	14 1/4	362	13 5/8	346	12 1/8	308	2 5/8	67	3 3/4	95	5	127	27	12.25
4023-FA2-GV	15 5/16	389	14	356	12 1/8	308	2 5/8	67	5	127	5	127	28	12.7
4023-FA2-SF	14 1/4	362	13 5/8	346	12 1/8	308	2 5/8	67	4 3/4	121	5	127	29	13.15
4023-FA2-GV-SF	15 5/16	389	14	356	12 1/8	308	2 5/8	67	4 3/4	121	5	127	29	13.15



4021-FA2 - 2-1/2" Female N.P.T. Inlet and Outlet
4023-FA2 - 2-1/2" Female N.P.T. Inlet x Male Hose Thread Outlet
4023-FA2-GV - 2-1/2" Grooved Inlet x Male Hose Thread Outlet
4023-FA2-SF - 2 1/2" Female N.P.T. Inlet x 3" Male Hose Thread Outlet
4023-FA2-GV-SF - 2 1/2" Grooved Inlet x 3" Male Hose Thread Outlet

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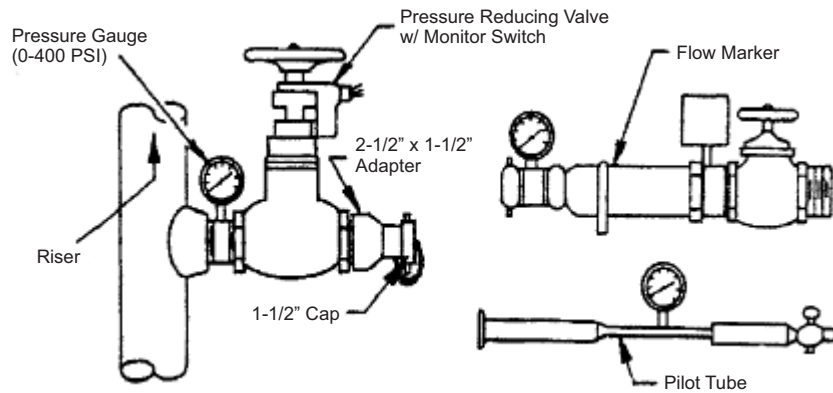
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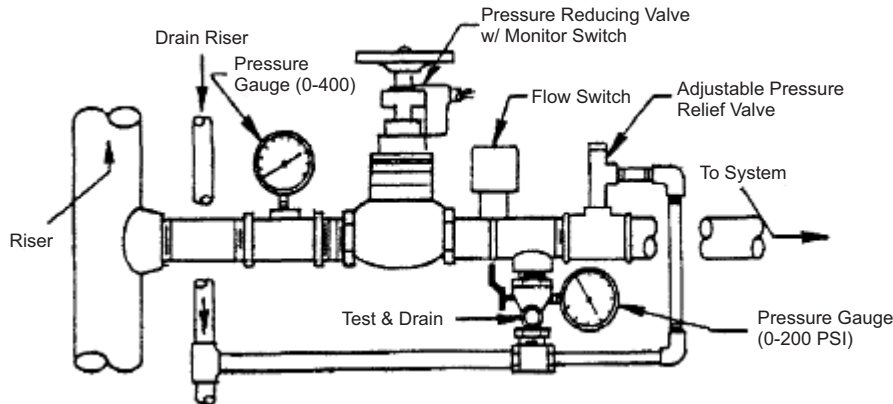
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Recommended Installation:



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

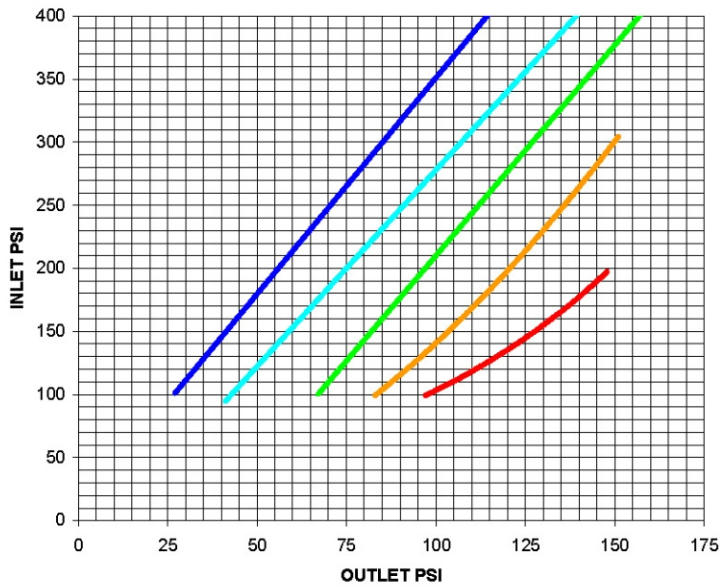
Hose Connection Valves

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

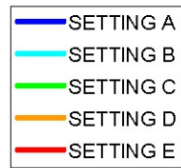
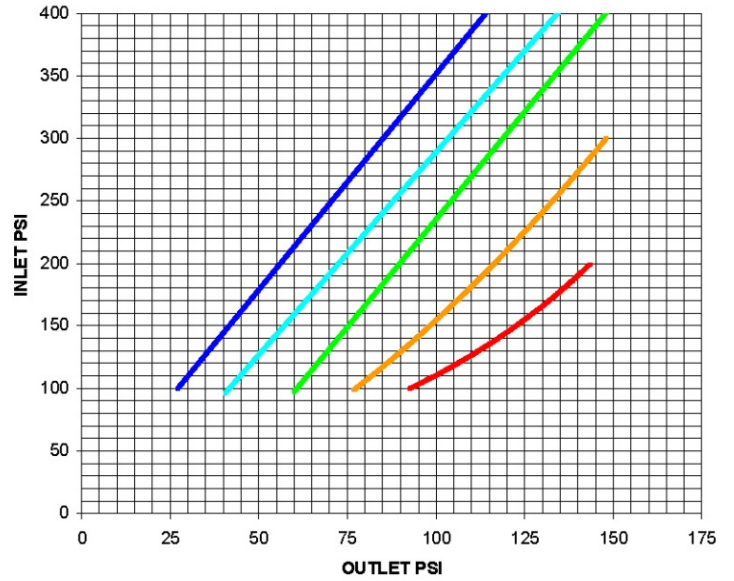
Test Result Procedure Sprinkler Valves & Hose Connection Valves

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.

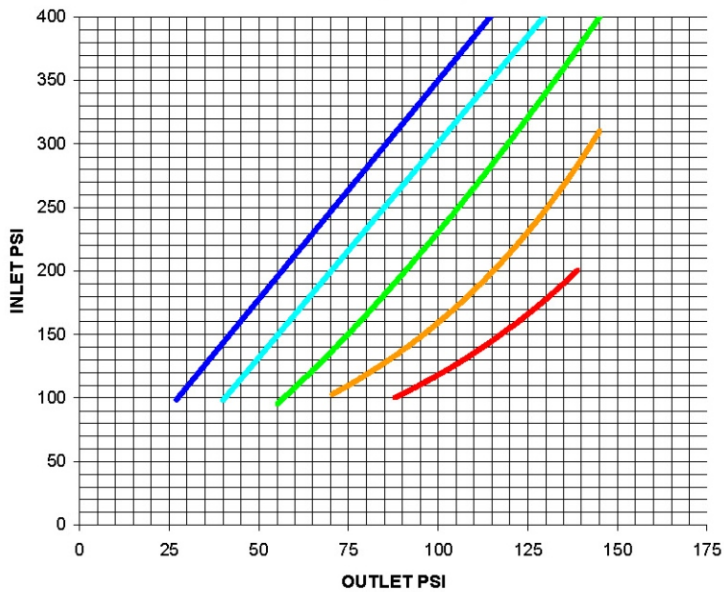
4023-FA2, 4021-FA2
(50 GPM)



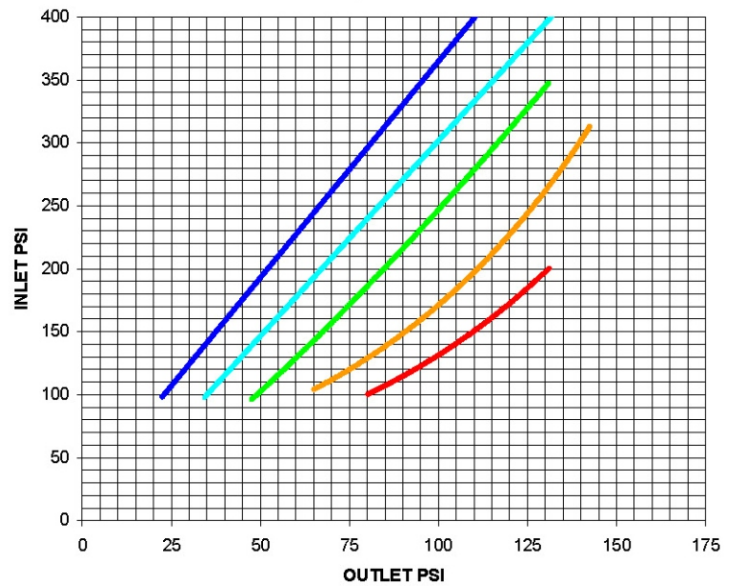
4023-FA2, 4021-FA2
(100 GPM)



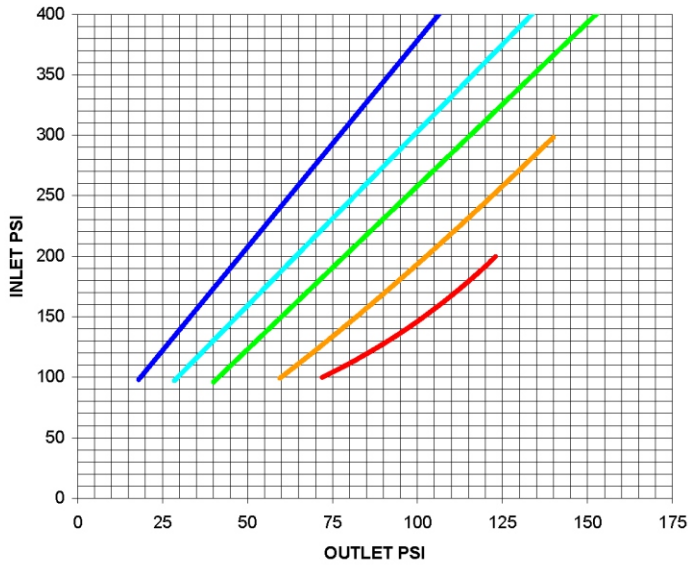
4023-FA2, 4021-FA2
(150 GPM)



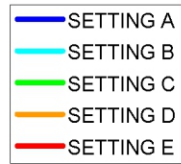
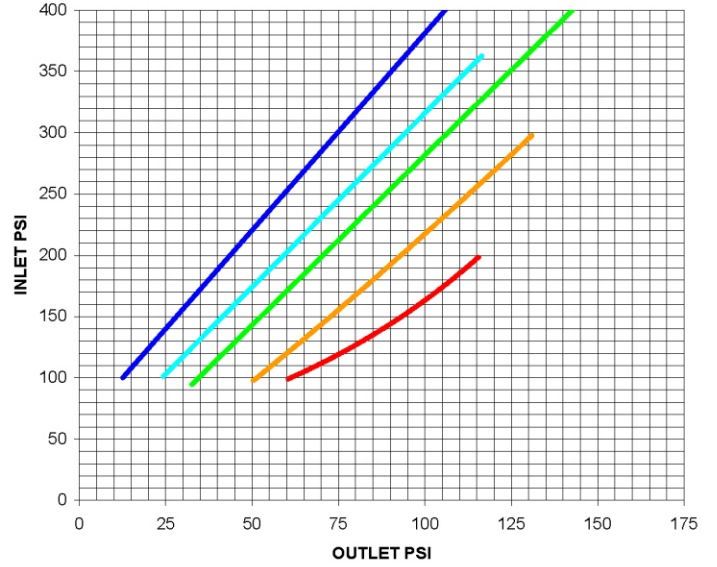
4023-FA2, 4021-FA2
(200 GPM)



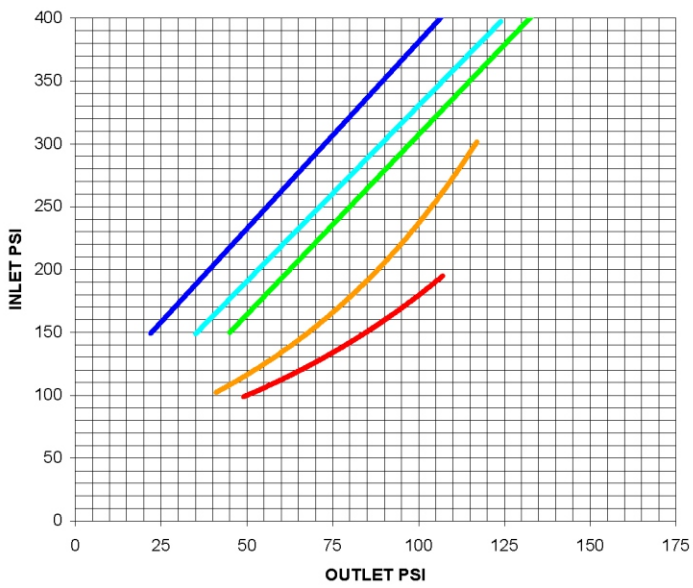
4023-FA2, 4021-FA2
(250 GPM)



4023-FA2, 4021-FA2
(300 GPM)



4023-FA2, 4021-FA2
(350 GPM)



U4023-FA2, 4021-FA2
(400 GPM)

