



INSTALLATION INSTRUCTIONS

MODEL 3011 **PATENTED AND OTHER PATENTS PENDING** 1" SIZE

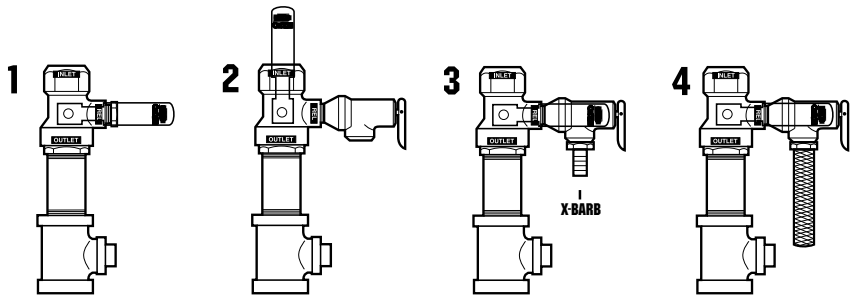
INSPECTORS TEST

THE 3011 SUBASSEMBLY, CONSISTING OF THE MODEL 3011 INSPECTORS TEST VALVE (WITH THE RELIEF VALVE PORT PLUGGED), THE CONNECTION NIPPLE AND THE BYPASS TEE (WITH THE BYPASS BRANCH PLUGGED) SHOULD BE INSTALLED AS THE INSPECTORS TEST VALVE AT THE END OF A GRIDDED SYSTEM OR WHEN A REGULATING VALVE IS USED IN A SINGLE STORY BUILDING.

1. Turn the Model 3011 valve handle to the "CLOSED" position for the hydrostatic test of the system (see drawing 1).
2. Hydrostatically test the system.
3. To install the relief valve and drain assembly follow this procedure:
 - A. Shut off the system at the supply valve.
 - B. Turn the Model 3011 valve handle to the "test" position to drop the system pressure (see drawing 2).
 - C. After the system pressure is dropped, remove the relief valve port plug while the system is draining (see drawing 2).

- D. Install the Model 7000 relief valve in the relief valve port with the relief valve outlet pointed toward the bypass tee branch inlet (see drawing 2).
- E. Return the Model 3011 valve handle to the "closed" position (see drawing 3).

- F. Install the straight male X-barb adaptor into the outlet of the Model 7000 relief valve.
- G. Install the flexible tubing on the male X-barb adaptor (see drawing 4).

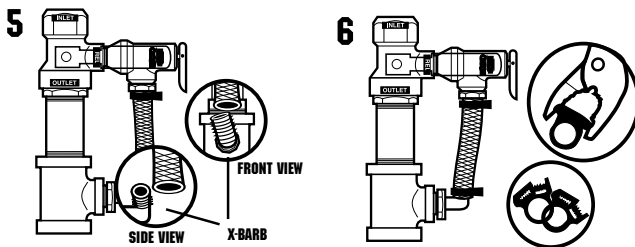


- H. Remove the plastic plug from the bypass tee branch and install the male X-barb elbow into the bypass tee branch, rolling the barb elbow into the flexible tubing on the last turn of the elbow (see drawing 5).
- I. Full assembly requires tightening two pipe clamps on hose barb fittings (see drawing 6). Clamps provided.

- J. Repressurize the system.

Figure "A" shows the assembly in the "OFF" position. There is no flow THROUGH the valve. There is flow from the inlet into the Relief Valve providing pressure relief to the system as required under Paragraph 5-1.3 of NFPA13.

The valve in the "TEST" position as shown in Figure "B" allows flow from the inlet through the orifice in the ball providing a testing facility as required in Paragraph 3-4.1.1 of the NFPA specifications.



UPSTREAM SEATS

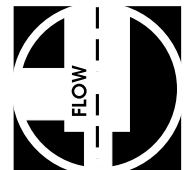


DOWNSTREAM SEATS

Figure A

Valve seated in "OFF" position. Flow from inlet of valve to side outlet into relief valve.

UPSTREAM SEATS



DOWNSTREAM SEATS

Figure B

Valve seated in "TEST" position. Flow from inlet of valve to straight outlet of valve through orifice in ball.

PATENTED AND OTHER PATENTS PENDING

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