RESIDENTIAL RISER ASSEMBLY

Features

- Powder Coated Steel body construction
- Factory assembled and tested
- Vertical or horizontal installation

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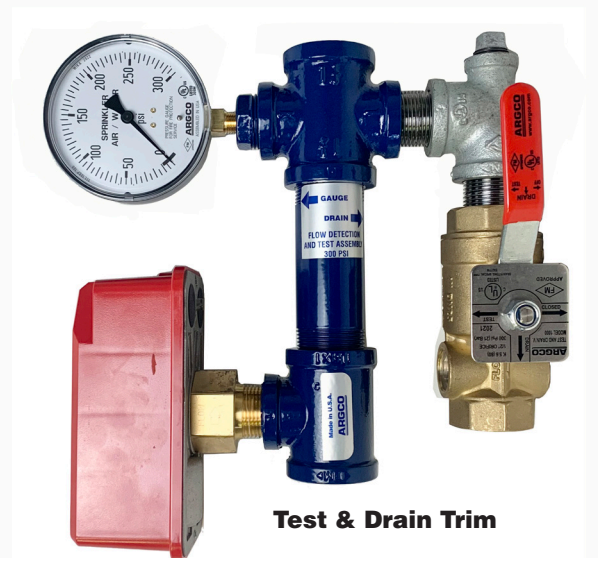

Test & Drain Trim

Description:

Argco's Residential Riser is a wet-pipe sprinkler system riser assembly consisting of a powder coated steel body, waterflow switch, pressure gauge, and drain.
Triggering Flow is 12 gpm (45 lpm) nominal for the System Sensor waterflow switch and 10 gpm (38 lpm) or more for the Potter Electric waterflow switch.

The Residential Riser is intended for use in NFPA 13D and 13R systems, and is offered in 1", 1-1/4", 1-1/2", and 2" sizes.
The product is available with a variety of end configurations, and a choice of drain trims including a three position (off/test/drain) valve.

Assembled in Fort Smith, Arkansas

TAA COMPLIANT

POTTER The Symbol of Protection

with Potter Flow Switch:

Base Trim

Base Trim with Pressure Relief

Pressure Relief Trim W/Test & Drain

SIZE	Base Trim ITEM #	Base Trim with Pressure Relief ITEM #	Test & Drain ITEM #	Pressure Relief with Test & Drain ITEM #
1"	6520370-0100	6520371-0100	6520372-0100	6520373-0100
1-1/4"	6520370-0125	6520371-0125	6520372-0125	6520373-0125
1-1/2"	6520370-0150	6520371-0150	6520372-0150	6520373-0150
2"	6520370-0200	6520371-0200	6520372-0200	6520373-0200

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	

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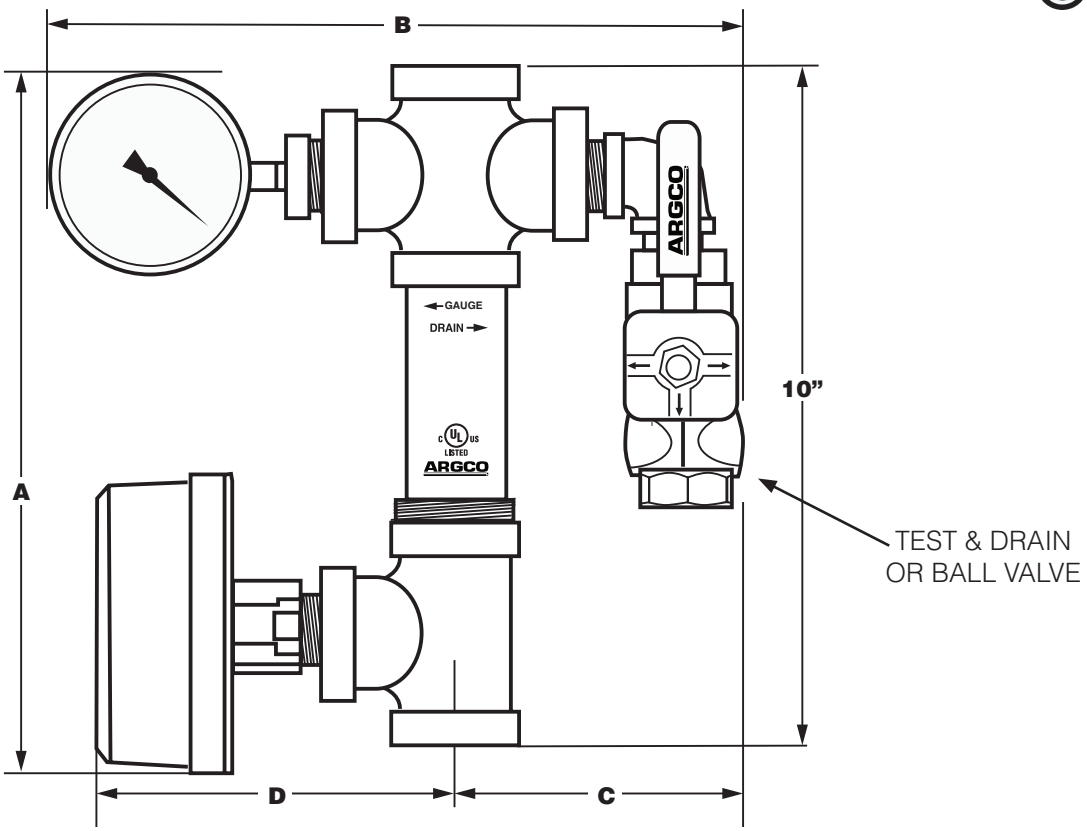

BASIC ASSEMBLY WITH TEST & DRAIN
1-1/4" VERSION SHOWN

NOMINAL SIZE	1"	1-1/4"	1-1/2"	2"
A	11-1/4"	11-1/4"	11-1/4"	11-1/4"
B	10"	10-7/16"	10-3/4"	11-1/8"
C	4-9/16"	4-3/4"	5"	5-1/4"
D	5-11/16"	5-17/8"	6"	6-3/8"
E	9-7/8"	9-7/8"	9-7/8"	9-7/8"

BASIC ASSEMBLY WITH BALL VALVE

NOMINAL SIZE	1"	1-1/4"	1-1/2"	2"
A	11-3/16"	11-3/16"	11-3/16"	11-3/16"
B	9-7/8"	10-7/8"	10-3/8"	10-15/16"
C	4-3/8"	4-7/8"	4-5/8"	5"
D	5-5/8"	5-3/4"	6-1/16"	6-1/4"
E	9-13/16"	9-13/16"	9-13/16"	9-13/16"

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Installation
Model RR Residential Riser Manifolds
with Pressure Relief Trim

Step 1. Remove 1/2”. pipe plug from manifold tee. Inspect exposed female tee threads, remove thread sealant remnants or debris as necessary.

Step 2. Install Pressure Relief Valve in manifold tee, orienting valve outlet port perpendicular to, and facing away from, manifold body.

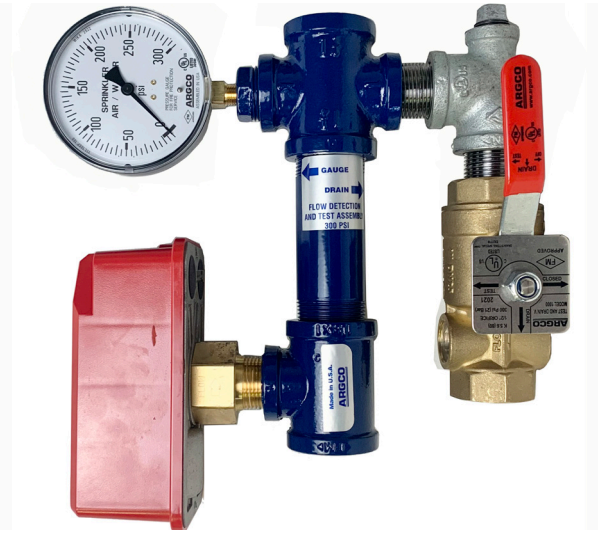
Step 3. Disconnect drain piping from threaded outlet of manifold drain valve, as applicable, and install 1 in. x close nipple in valve outlet.

Step 4. Install Reducing Tee onto 1 inch x close nipple, aligning tee branch outlet parallel with pressure relief valve outlet port. Reconnect drain piping to tee drain outlet as necessary.

Step 5. Install 1/2” Brass 90 x Barb in pressure relief valve outlet port and in reducing tee branch outlet.

Step 6. Install Flexible Hose by threading female ends onto 1/2” Brass 90 x Barb installed on relief valve outlet port and reducing tee branch outlet.

Note:
Assure Flexible Hose is not susceptible to being caught or snagged by other moving parts.



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