

Features

- Pre-assembled and pressure tested
- Available in 1”, 1 1/4”, 1 1/2”, & 2” nominal pipe size models
- Female adapter ships loose so riser can be installed in a confined space
- Fits in standard 2 x 4 construction walls
- Easily removable flowswitch port cap for installation of VSR-SG Flowswitch (VSR-SG not included)



NOTICE

Installation must be performed by qualified personnel and in accordance with all national and local codes and ordinances.

Description

The RD13 Riser (with NPT connectors) is constructed from Listed CPVC products suitable for fire sprinkler services subject to the limitations and installation requirements of Flameguard® CPVC pipe and Spears® CPVC fittings. The RD13 Riser incorporates a connection for a VSR-SG flow switch, gauge, and drain/test valve. The connection for the VSR-SG flowswitch is capped with a union connection to facilitate the installation and removal of the switch in confined spaces at a later date.

Installation

1. Using appropriate sealant, thread the female adapter on to the main water supply. Then glue the riser assembly to the female adapter. Pipe the drain connection to an adequate drain location capable of handling the drain discharge. The riser can be mounted in the horizontal or vertical position. The waterflow switch connection must be located on the top or on the side of the pipe when installed in the horizontal position. This will prevent debris from entering the throat of the waterflow switch which could interfere with proper operation.
2. Following CPVC manufacturer’s instructions for preparation and gluing of CPVC piping systems, glue the main riser to the main supply line for the sprinkler heads.
Note: All glued connections must be completed and cured before the flowswitch is installed.
3. A thread sealant shall be used in making threaded connections. Teflon® thread tape is the recommended sealant. Some thread sealants other than Teflon thread tape contain solvents or other materials that may be damaging to CPVC. For other types of thread sealants, which have been specifically investigated and confirmed to be “System Compatible”, refer to www.sparsmfg.com. Attach gauge to riser. Apply Teflon® tape to male fitting of gauge only. See Fig 1.

Flow Switch Technical Specifications

Dimensions	See Fig 1
Service Pressure	175 PSI (12,07 BAR) - UL
Environmental Limitations	Temperature range: 40°F-120°F (4.5°C-49°C)-UL

Specifications subject to change without notice.

Service Use

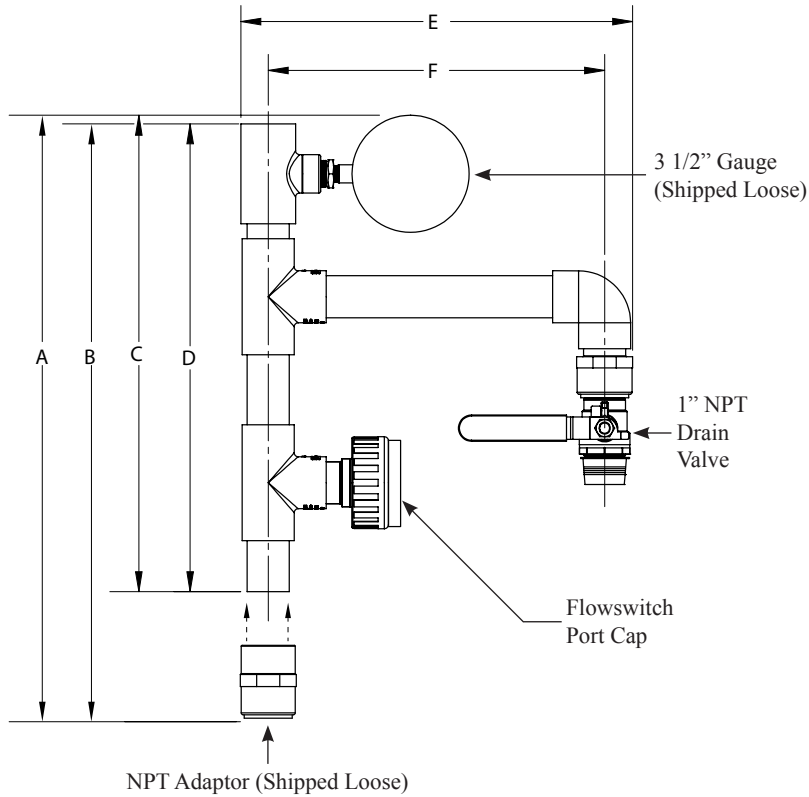
Automatic Sprinkler NFPA-13
One or two family dwelling NFPA-13D
Residential occupancy up to four stories NFPA-13R
National Fire Alarm Code NFPA-72
British Standard BS9251

NOTICE

Do not over-tighten the union nut, hand tighten only. Use of a wrench may cause damage to the union nut.

Dimensions (See Chart Below)

Fig 1



*RD13 Risers (ASSEMBLED DIMENSIONS)														
Riser Size	Model Number	Part Number	Dimension "A"		Dimension "B"		Dimension "C"		Dimension "D"		Dimension "E"		Dimension "F"	
			(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)	(in.)	(mm.)
1"	RD13 Riser w/ Cap 1"	1119068	16	406	15 3/4	400	14 7/8	378	14 5/8	371	12 1/4	311	10 1/2	267
1 1/4"	RD13 Riser w/ Cap 1.25"	1119078	16 5/8	422	16 1/2	419	15 1/2	394	15 3/8	391	12 1/2	318	10 5/8	270
1 1/2"	RD13 Riser w/ Cap 1.5"	1119088	N/A	N/A	16 3/4	425	N/A	N/A	15 5/8	397	12 3/4	324	10 3/4	273
2"	RD13 Riser w/ Cap 2"	1119098	N/A	N/A	18 1/4	464	N/A	N/A	16 7/8	429	13 3/8	340	11 1/8	283

Ordering Information

Ordering Information		
Nominal Pipe Size	Model	Part Number
1"	RD13 Riser w/ Cap 1"	1119068
1 1/4"	RD13 Riser w/ Cap 1.25"	1119078
1 1/2"	RD13 Riser w/ Cap 1.5"	1119088
2"	RD13 Riser w/ Cap 2"	1119098

Optional: VSR-SG, stock no. 1144460
Gauge and NPT Adapter shipped loose in box.