Series SS Riser

In-Building Riser

Sizes: 4" – 10" (100 – 250mm)

- Installation

For technical assistance, contact your local Ames representative.

IMPORTANT: Inquire with governing authorities for local installation requirements.

CALIFORNIA PROPOSITION 65 WARNING

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: www.watts.com/prop65

Basic Installation Instructions

Ames Company In-Building Risers are designed for easy installation in standard configurations as outlined using standard construction method.

The floor penetration detail of the In-Building Riser shall be restrained per direction outlined by site plans. Consult Uni-Bell handbook of PVC pipe if instructions are not provided.

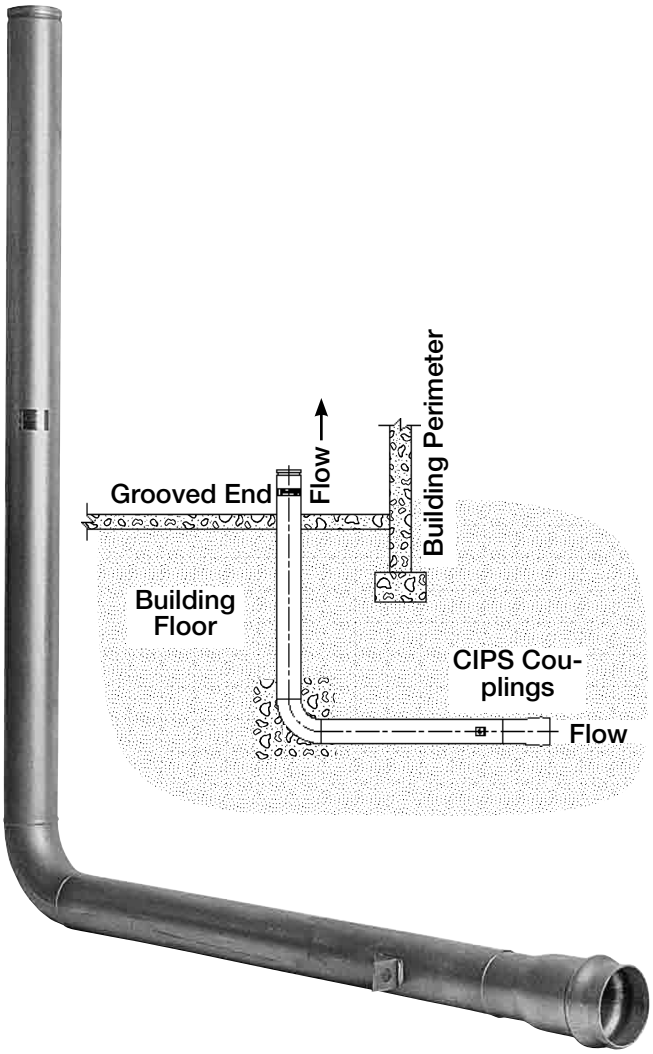
The below ground connection is a standard AWWA C900 gasketed coupler (either ductile iron or PVC). Installation in accordance with the following information (from Uni-Bell handbook).

1. Clean out inside of coupler making certain the beveled spigot end and the gasket groove are free of dirt.
2. Apply lubricant to beveled spigot (male).
3. Insert gasket into coupling groove and seat firmly.
4. Push lubricated end past gasket into the bell housing. (Ames in-building risers are equipped with the lugs placed 180° apart on either side of the unit which can be used to "pull" the pipe into the bell using a "come a-long" type equipment. Also, the "bar and block method described in the Uni-Bell handbook can also be used for installation).
5. The maximum allowable pipe deflection angle between the IBR and underground pipe is as follows:

TR Size	Maximum Deflection
4"	1°
6"	1°
8"	1°
10"	1°

The above ground connection is an AWWA specification C606 groove. All underwriters Laboratory approved groove couplers made to fit the AWWA C606 grooves can be used to join the connection to the in-building supply line.

1. Check gasket and lubricate it using groove coupler manufacturer's recommended lubricant or approved equal.
2. Install gasket. Place gasket over pipe end being sure gasket lip does not overhang pipe end.
3. Align and bring two pipe ends together and slide gasket into position centered between grooves or each pipe (no portion of the gasket should extend into the groove of either pipe.)
4. Apply housings. Place housings over gasket, being sure the housing keys engage into the grooves of the pipe. (No portion of the gasket should extend into the groove of either pipe.)
5. If restraint fitting is being used tighten nuts: Tighten nuts alternately and equally until housing bolt pads are firmly together metal to metal: Uneven tightening will cause gasket to pinch.



IMPORTANT: Inquire with governing authorities for local installation requirements.

ATTN. INSTALLER: After Installation, please leave this instruction sheet for occupant's information.

Installation

Materials

Because the In-Building Riser is buried, the material of construction has been chosen as Type 304L Stainless Steel. This material is generally recognized as a corrosion resistant material which is superior to Cast, Ductile Iron, or Coated Steel pipe for corrosion resistance, and which is superior to engineered plastics for strength and longevity. In general, the stainless steel is the cathode in joints of dissimilar metal, so that any corrosion which may occur will not affect the stainless steel. In addition, an extra protection is provided in that there is no actual metal to metal contact at either joint due to the CIPS bell connection design and the groove coupler design.

Installation Practices

Good installation practice for all types of buried pipe often calls for wrapping of the pipe to decrease corrosion due to soil conductivity. Although stainless steel is less susceptible to corrosion, local codes and general practices should still be followed.

Field Test Procedures

Normal field test procedures call for a hydrostatic pressure test of the system prior to final acceptance. Often, segments of the system will be tested individually prior to the complete system test. In order to hydrostatically test the In-Building Riser as installed, two methods are recommended.

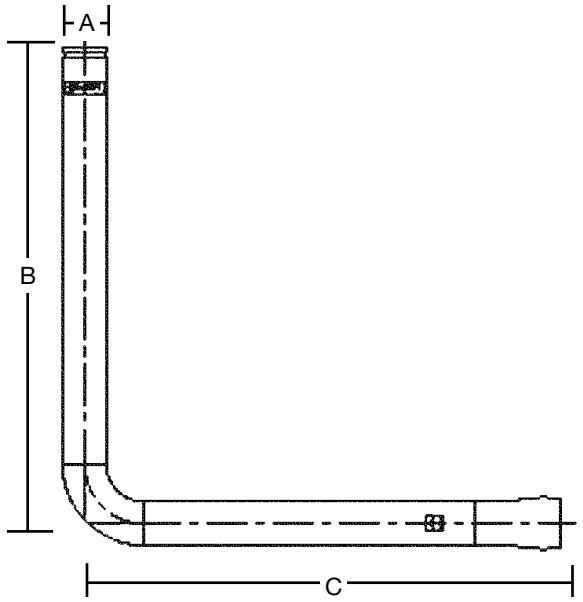
1. Constrained Piping

If the piping installation is essentially complete, the piping restraints may adequately take the thrust loads generated by having a blind end on the pipe system. In these cases, no special actions to restrain thrust or side loads are required, and the fitting installed in the system may be adequate for hydrostatic testing.

2. Free Piping

If just the riser or riser/main connection is to be tested, then the thrust loads from the blind end cap on the riser may need to be restrained. The riser design has been tested in the unrestrained state using a rigid coupler and end cap grooved fitting. Flange adapters, expansion fittings, or other styles of end connectors may result in excessive end thrust which may cause a leak or fitting malfunction. In addition, couplings which are adequately rated for high pressure testing should be used if thrust restraints are not feasible.

Note: It is important that all air is bled from the system before pressurizing any component.



Dimensions/Weights

Size		Ordering	A		B	C	Weight
in.	*mm*	Code	inch	ft.	ft.	lbs.	
4	100	0690970	4½	OD	6	6	71
6	150	0690969	6⅝	OD	6	6	98
8	200	0690968	8⅝	OD	6	6	129
10	250	0690971	10¾	OD	6	6	202

End Connections

Bell End: Mates with Ductile Iron Pipe and AWWA C900 Pipe (PVC Pipe with Cast Iron Pipe Equivalent OD's)

Size			Sealing Gasket (CIPS – C900)
in.	*mm*	Mating Pipe OD	Spare Part Ordering code
4	100	4.80	7014421
6	150	6.90	7014422
8	200	9.05	7014423
10	250	11.10	7014424

Utilizes Gasket conforming to UL 157 with “Lock in” gasket configuration.

For additional information, visit our web site at: www.amesfirewater.com

AMES
FIRE & WATERWORKS

www.amesfirewater.com

ISO 9001-2008 CERTIFIED

A Watts Water Technologies Company

USA: Backflow- Tel: (916) 928-0123 • Fax: (916) 928-9333
Control Valves- Tel: (713) 943-0688 • Fax: (713) 944-9445
Canada: Tel: (905) 332-4090 • Fax: (905) 332-7068

RP/IS-A-SSRiser 1235 EDP# 1915324