

## Engineering Specification

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# LEAD FREE\*

## Series TR Transition Risers Customizable

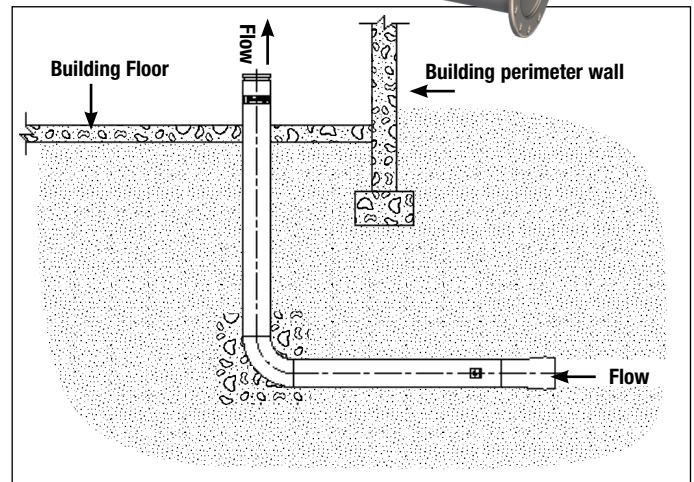
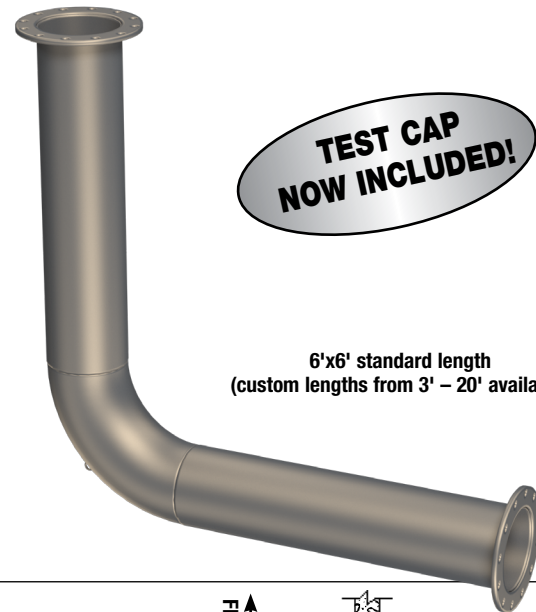
Sizes: 4" – 12"

Series TR Transition Risers are used to connect the main fire or potable water supply to the building drinking water system. The fitting passes under the foundation without joints and extends up through the floor. Provided with installation tabs, the unit has a CIPS (Cast Iron Pipe Size) coupler for easy connection to the underground supply (AWWA C900 PVC and Ductile Iron Pipe) and industry standard grooved-end connection (AWWA C606) on the building side for easy connection to the overhead fire sprinkler system or potable water supply. Note: 12" Risers are not 3rd Party Approved, please contact your local municipality for State Code and Installation requirements.

Watts® Transition Risers are precision engineered and manufactured to provide exceptional reliability and reduce installation time and labor costs associated with field assembly. In accordance with NFPA 24, the UL and FM approved Transition Risers replace numerous fittings, elbows and spools and reduces the possibility of leaks or failure in comparison to traditional installation methods and materials. Factory tested integrity ensures the highest quality installation. The use of stainless steel significantly increases the reliability and life of the riser.

### Features

- Cost savings
- Corrosion resistant stainless steel construction, type 304
- Ease of installation and lightweight allow one person to position and handle the riser
- Minimal site preparation; joint restraint one-piece construction reduces time and labor; no missing parts, no leaks; easily identifiable for approvals
- Includes Test Cap and Coupler
- UL and FM approved
- Sizes: available 4" – 12" diameter in 6'x6' standard dimensions. Custom horizontal and vertical lengths available 3'-20'.
- Designed to meet NFPA 24
- AWWA C900 Inlet/DIP
- AWWA C606 Outlet
- NSF Approved for potable water supply



### NOTICE

Inquire with governing authorities for local installation requirements.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

## Specification

Transition Riser shall be installed as indicated on the plans. Riser shall be composed of a single extended 90 degree fitting of fabricated 304 stainless steel tubing, maximum working pressure 200psi (14 bar). The fitting shall have a grooved-end connection on the outlet (building) side and a CIPS coupler on the inlet (underground) side. The grooved end shall include a Coupler and Cap to facilitate testing of the underground piping. The Transition Riser shall be a Watts Series TR.

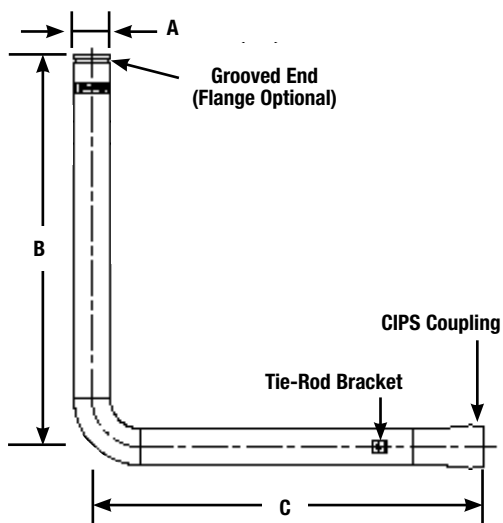
## Approvals

**Fittings** FM Class 1920  
UL HKQA (4"-10")



Note: 12" Risers are not 3rd Party Approved, please contact your local municipality for State Code and Installation requirements.

## Dimensions – Weights



SIZE	DIMENSIONS						WEIGHT	
	A (OD)		B		C		lb	kg
in.	in.	mm	ft	cm	ft	cm		
4	4½	114	6	183	6	183	71	32
4	4½	114	8'-6"	259	6	183	85	39
6	6⅝	168	6	183	6	183	98	44
6	6⅝	168	8'-6"	259	6	183	122	56
6	6⅝	168	9	274	6	183	127	58
8	8⅝	219	6	183	6	183	129	59
8	8⅝	219	8'-6"	259	6	183	163	74
8	8⅝	219	9	274	6	183	170	77
10	10¾	273	6	183	6	183	202	92
10	10¾	273	8'-6"	259	6	183	307	139
10	10¾	273	9	274	6	183	258	117
12	12¾	324	6	183	6	183	329	149

\*\*Each B (vertical) and C (horizontal) leg is customizable from 3' to 20' with UL Listed and FM Approved compliance. Consult with your factory representative for details.

## Pipe

Meets AWWA C220

## Standards

**NFPA** — Designed to allow the contractor to conform to NFPA 24

Where a riser is close to building foundations, underground fittings of proper design and type shall be used to avoid pipe joints being located under the foundations.

## End Connections:

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

**Utilizes Gasket conforming to UL 157 with "Lock in" gasket configuration**

SIZE	MATING PIPE OD	
	in.	mm
4	4.8	122
6	6.9	175
8	9.1	230
10	11.1	282

## Vertical End:

Meets AWWA C-606 dimensions for roll grooved pipe  
Meets AWWA C-207 class D for flanges

## Ratings

Meets AWWA C-900 pressure class 200, DR 14 Pipe

## Testing

Welds are 100% leak tested at the factory

SIZE	DESIGN PROOF PRESSURE	
	psi	bar
4	1000	70
6	1000	70
8	800	56
10	800	56

## NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.



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