

For Fire Protection Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

LEAD FREE*

**Series TR
 Transition Risers**

Sizes: 4" – 10" (100-250mm)

Series TR Transition Risers are used to connect the main fire supply to the building overhead fire 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.

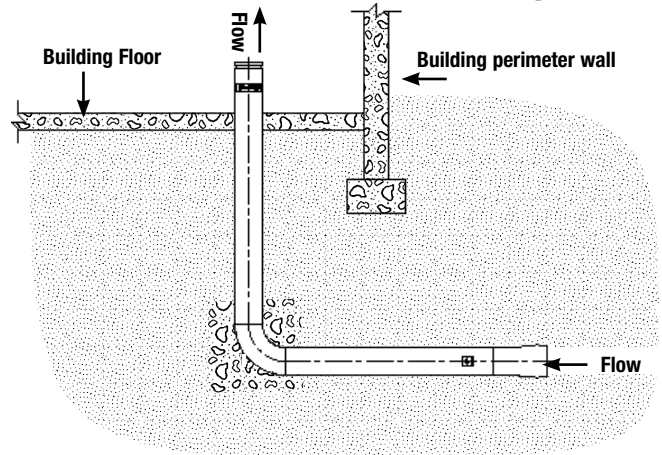
Watts Transition Risers are precision engineered and manufactured to provide exceptional reliability and reduce installation time & labor costs associated with field assembly. In accordance with NFPA 24-2007, the UL/FM approved Transition Risers replace numerous fittings, elbows & spools and reduces 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/FM approved
- Sizes: available in 4" – 10" (100-250mm) with various lengths to meet all local requirements
- Designed to meet NFPA 24-2007 Section 10.6.5
- AWWA C900 Inlet/DIP
- AWWA C606 Outlet

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.



IMPORTANT: INQUIRE WITH GOVERNING AUTHORITIES FOR LOCAL INSTALLATION REQUIREMENTS

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (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.



Standards

NFPA — Designed to allow the contractor to conform to NFPA 24-2007 Section 10.6.5

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.

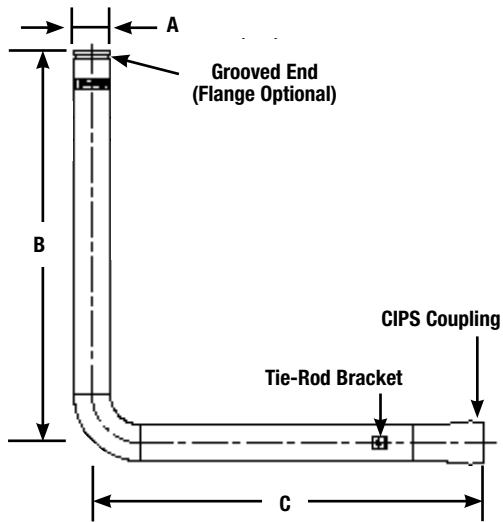
NFPA — 24-2007 — 10.1.1, 10.6.7

Approvals

Fittings FM class 1920
UL HKQA (4"-10")



Dimensions – Weights



SIZE (DN)		WEIGHT							
in.	mm	A (OD)		B		C		lbs.	kg
		in.	mm	ft.	cm	ft.	cm		
4	100	4½	114	6	183	6	183	71	32
6	150	6⅝	168	6	183	6	183	98	44
8	200	8⅝	219	6	183	6	183	129	59
10	250	10¾	273	6	183	6	183	202	92

Consult factory for custom leg dimensions.

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 (DN)		MATING PIPE OD	
in.	mm	in.	mm
4	100	4.8	122
6	150	6.9	175
8	200	9.1	230
10	250	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	
in.	mm	psi	bar
4	100	1000	70
6	150	1000	70
8	200	800	56
10	250	800	56



A Watts Water Technologies Company



ISO 9001-2000
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