Engineering Specification

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

LEAD FREE*

Series TR2

Transition Risers
Customizable

Sizes: 2" – 3"

Series TR2 Transition Risers are used to connect the main potable water supply to the building drinking water system or fire supply to the building overhead fire system. The fitting passes under the foundation without joints and extends up through the floor. Provided with either an MNPT or FNPT (ASME B1.20.1), Flanged [ANSI B16.5 150], or industry standard grooved-end connection (AWWA C606) for easy connection to either the underground supply (PVC, Ductile Iron, or Copper Pipe) or drinking water supply/ overhead fire sprinkler system. Note that FNPT or Flanged connections require separate adapter. The TR2 features Lead Free* Pipe construction to comply with Lead Free* installation requirements.

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 and numerous regional plumbing codes, 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.

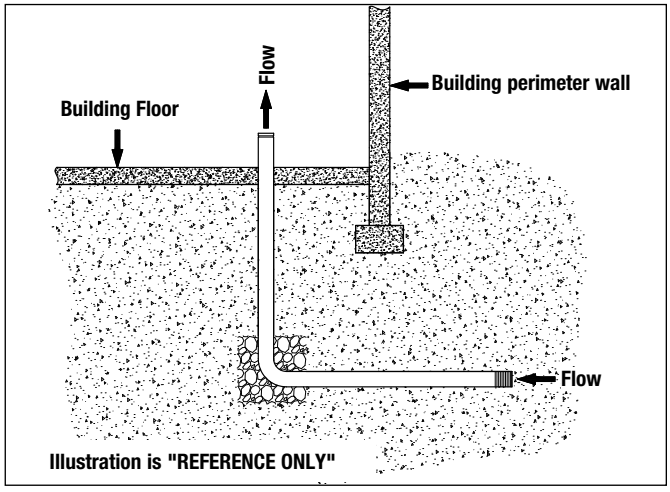
Features

- 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
- UL/ FM and NSF Approved
- Sizes: available 2", 2½", and 3"
- ASME B1.20.1 MNPT/ FNPT Thread Options
- ANSI B16.5 for Class 150 Flange Option
- 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 pipe, maximum working pressure 200psi (14 bar). The fitting shall either have a grooved end, flanged, or MNPT or FNPT connection on the outlet (building) or inlet (underground) side. The Transition Riser shall be a Watts Series TR2.

(custom lengths from 3' – 16' available - sum of leg lengths cannot exceed 19')



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®

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.

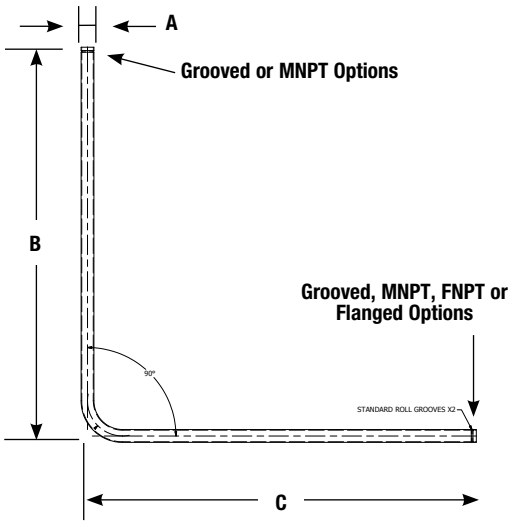
Approvals

Fittings

FM class 1920

UL HKQA (2", 2½", 3")

Dimensions – Weights



SIZE	DIMENSIONS						WEIGHT	
	A (OD)		B (Rise)		C (Run)			
in.	*in.*	*mm*	*ft.*	*cm*	*ft.*	*cm*	*lbs*	*kg*
2	2⅜	60	4	122	4	122	29	13
			4	122	6	183	37	17
			5	152	6	183	40	18
			6	183	6	183	44	20
2½	2⅞	73	4	122	4	122	46	21
			4	122	6	183	58	26
			5	152	6	183	64	29
			6	183	6	183	69	32
3	3½	89	4	122	4	122	60	27
			4	122	6	183	76	34
			5	152	6	183	83	38
			6	183	6	183	91	41

Pipe

Meets AWWA C220

End Connections

Vertical and Horizontal End:

Meets AWWA C-606 dimensions for roll grooved pipe

Meets ASME B1.20.1 for MNPT / FNPT Thread

Meets ANSI B16.5 for Class 150 Flange

End Connections Options

Standard Configuration:

GRVxMNPT – Groove x Male NPT

Optional Configurations - see your local agent

GRVxGRV – Groove x Groove

MNPTxMNPT – Male NPT x Male NPT

The following adapters are also available for connection to the MNPT portion of the riser:

ASME B1.20.1 MNPT to FNPT converter

150 RF 304/L Threaded Flange

Note: Adapters add between 1" and 2½" to riser leg length when installed - depending on riser diameter

SIZE	DESIGN PROOF PRESSURE	
in.	*psi*	*bar*
2	200	13.7
2½	200	13.7
3	200	13.7

NOTICE

Inquire with governing authorities for local installation requirements

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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