

For Residential and Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Brass ASTM F1960 Fittings

Lead Free* Brass F1960 Cold Expansion Fittings are used to connect RadiantPERT™ or WaterPEX®-a tubing together and to transition copper pipe to RadiantPERT™ or WaterPEX®-a tubing. Threaded Adapters are used for the appropriate NPT fitting. The LF Brass fittings feature Lead Free* construction to comply with Lead Free* installation requirements. F1960 compression rings are PEX.

Specifications

Hydronic systems shall be piped using Watts RadiantPERT™ pipe. Potable water systems shall be piped using WaterPEX®-a tubing. All joints shall be made using the Watts Lead Free* brass F1960 adapters and fittings using the ASTM F1960 connection method as outlined in the Watts Installation Guide-lines. The Lead Free* Brass F1960 fittings and adapters shall be constructed using Lead Free* brass and shall comply with state codes and standards, where applicable, requiring reduced lead content.

Installation

NOTICE

Lead Free* Brass F1960 adapters and fittings must be installed in accordance with all Watts installation procedures, including information provided in installation manual and guidelines.

The recommended gripping method requires a manual, electric or battery operated tool using an ASTM F1960 certified expander. All connections must be checked to ensure proper connection.

Approvals

- Manufactured in accordance with American Society for Testing and Materials (ASTM International) F1960
- Listed to NSF Standards 14, 61 and 372 by NSF International.
- Certified to the Uniform Plumbing Code by NSF International
- Certified to CSA B137.5 by NSF International



CAUTION

This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.



LFPFC Coupling



LFPFT Tee



Drop Ear Elbow



LFPF7 Female Sweat x F1960 Adapter



LFPF6 Male Sweat x 1960 Adapter



LFPFE6/7 Sweat x F1960 Adapter



LFPFM MPT Thread x F1960 Adapter



LFPFF FPT Thread x F1960 Adapter



PFS PEX Ring

WARNING

Ring must be kept around 55°F (12°C) or greater to assure expansion is uniform. Remove any expanded ring that displays unequal expansion. Failure to rotate tool inside tubing may cause unequal expansion.

NOTICE

*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.



Dimensions – Weights

MODEL	Inlet			Outlet			PKG. Weight	
	in.	mm	type	in.	mm	type	lbs.	kgs.
F1960 Lead Free* Sweat Adapters - Male x F1960								
LPPF637X-10	1/2	13	Male Sweat	3/8	10	F1960	1	0.5
LPPF650X-10	1/2	13	Male Sweat	1/2	13	F1960	1	0.5
LPPF670X-10	3/4	19	Male Sweat	5/8	16	F1960	2	0.9
LPPF675X-10	3/4	19	Male Sweat	3/4	19	F1960	2	0.9
LPPFSM55X-10	1	25	Male Sweat	1	25	F1960	2	0.9
LPPFSM54X-10	1	25	Male Sweat	3/4	19	F1960	2	0.9
F1960 Lead Free* Sweat Adapters - Female x F1960								
LPPF737X-10	1/2	13	Female Sweat	3/8	10	F1960	1	0.5
LPPF750X-10	1/2	13	Female Sweat	1/2	13	F1960	1	0.5
LPPF770X-10	3/4	19	Female Sweat	5/8	16	F1960	2	0.9
LPPF775X-10	3/4	19	Female Sweat	3/4	19	F1960	2	0.9
LPPFSF55X-10	1	25	Female Sweat	1	25	F1960	2	0.9
LPPFSF54X-10	1	25	Female Sweat	3/4	25	F1960	2	0.9
F1960 Lead Free* Threaded Adapters - Male x F1960								
LPPFMC33X-10	1/2	13	MPT	1/2	13	F1960	1	0.5
LPPFMC44X-10	3/4	19	MPT	3/4	19	F1960	2	0.9
LPPFM54X-10	1	25	MPT	3/4	19	F1960	2	0.9
LPPFM55X-10	1	25	MPT	1	25	F1960	2	0.9
F1960 Lead Free* Threaded Adapters - Female x F1960								
LPPFFC33X-10	1/2	13	FPT	1/2	13	F1960	1	0.5
LPPFFC44X-10	3/4	19	FPT	3/4	19	F1960	2	0.9
LPPFF55X-10	1	25	FPT	1	25	F1960	2	0.9
LPPFF54X-10	3/4	19	FPT	1	25	F1960	2	0.9
F1960 Lead Free* Couplings - F1960 x F1960								
LPPFC22X-10	3/8	10	F1960	3/8	10	F1960	1	0.5
LPPFC33X-10	1/2	13	F1960	1/2	13	F1960	1	0.5
LPPFC66X-10	5/8	16	F1960	5/8	16	F1960	1	0.5
LPPFC44X-10	3/4	19	F1960	3/4	19	F1960	2	0.9
LPPFC55X-10	1	25	F1960	1	25	F1960	2	0.9
LPPFC54X-10	1	25	F1960	3/4	25	F1960	2	0.9
F1960 Lead Free* Tees - F1960 x F1960								
LPPFT333X-10	1/2	13	F1960	1/2 x 1/2	13 x 13	F1960	1	0.5
LPPFT666X-10	5/8	16	F1960	5/8 x 5/8	16 x 16	F1960	1	0.5
LPPFT444X-10	3/4	19	F1960	3/4 x 3/4	19 x 19	F1960	2	0.9
LPPFT544X-10	1	25	F1960	3/4 x 3/4	19 x 19	F1960	2	0.9
LPPFT5550X-10	1	25	F1960	1 x 1/2	25 x 13	F1960	2	0.9
LPPFT554X-10	1	25	F1960	1 x 3/4	25 x 19	F1960	2	0.9
LPPFT555X-10	1	25	F1960	1 x 1	25 x 25	F1960	2	0.9
F1960 Lead Free* Elbows - F1960 x F1960								
LPPFE33X-10	1/2	13	F1960	1/2	13	F1960	1	0.5
LPPFE66X-10	5/8	16	F1960	5/8	16	F1960	1	0.5
LPPFE44X-10	3/4	19	F1960	3/4	19	F1960	2	0.9
LPPFE55X-10	1	25	F1960	1	25	F1960	2	0.9
F1960 Lead Free* Drop-ear Elbow								
LPPFDE33X-10	1/2"	13	F1960	1/2	12	FPT	2	0.9
LPPFDE32X-10	1/2"	13	F1960	3/8	10	FPT	2	0.9
LPPFDE44X-10	3/4"	19	F1960	3/4	19	FPT	2	0.9
LPPFDE55X-10	1"	25	F1960	1	25	FPT	2	0.9
F1960 Lead Free* Sweat Adapter Elbows - Male x F1960								
LPPFE64M-10	3/4	16	Male Sweat	5/8	16	F1960	2	0.9
LPPFE77M-10	3/4	19	Male Sweat	3/4	19	F1960	2	0.9
F1960 Lead Free* Sweat Adapter Elbows - Female x F1960								
LPPFE64F-10	3/4	16	Female Sweat	5/8	16	F1960	2	0.9
LPPFE77F-10	3/4	19	Female Sweat	3/4	19	F1960	2	0.9
PEX Rings								
PFS2-10	3/8	10	F1960	3/8	10	F1960	1	0.5
PFS3-10	1/2	13	F1960	1/2	13	F1960	1	0.5
PFS6-10	5/8	16	F1960	5/8	16	F1960	1	0.5
PFS4-10	3/4	19	F1960	3/4	19	F1960	1	0.5
PFS5-10	1	25	F1960	1	25	F1960	1	0.5



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