ProPEX brass sweat adapters

Project information

Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

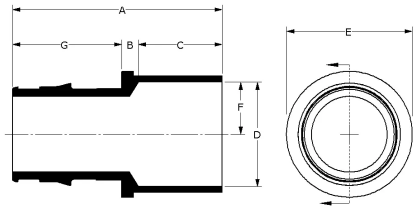
Technical data

Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar) 180 °F (82 °C) at 100 psi (6.9 bar) 200 °F (93 °C) at 80 psi (5.5 bar)
Prop 65 label required?	Yes

Product information and application use

ProPEX® brass sweat adapters transition Uponor PEX pipe to copper pipe for use in hydronic heating and cooling systems. One end of the adapter is manufactured with the Uponor ProPEX fitting for connection to Wirsbo hePEX™ pipe and the other end is manufactured to adapt copper sweat connections. These adapters are not safe for direct burial in soil. Note: Not for potable use.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.



	Part name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	Cv	Equivalent length through [ft]	Material group
	ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	1.32	0.229	0.5	0.629	0.719	0.315	0.591	5.7	2	LF Brass
	ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050	1.368	0.159	0.5	0.631	0.77	0.315	0.709	5.7	2	Brass
	ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	1.634	0.175	0.75	0.879	0.987	0.439	0.709	5.1	2.7	LF Brass
	ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350	1.491	0.125	0.5	0.629	0.94	0.315	0.866	-	-	Brass
	ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375	1.866	0.25	0.75	0.879	1.04	0.439	0.866	-	-	Brass
	ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550	1.675	0.23	0.5	0.631	1.1	0.315	0.945	8.8	1.4	Brass
✔	ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575	1.845	0.15	0.75	0.881	1.1	0.441	0.945	13.4	2.1	Brass
	ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510	2.07	0.215	0.91	1.132	1.26	0.566	0.945	10.9	3.7	Brass
	ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010	2.256	0.165	0.91	1.132	1.36	0.566	1.181	22.1	2.4	Brass
	ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	Q5511313	2.6	0.185	0.97	1.382	1.72	0.691	1.445	34	3.9	Brass
	ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020	3.797	0.31	1.34	2.133	2.68	1.067	2.147	83.6	5.3	Brass
	ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	5.33	0.29	1.66	3.13	3.79	1.565	3.38	189.1	8.79	LF Brass
	ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	Q5511515	3.049	0.255	1.09	1.633	1.9	0.817	1.704	45.5	4.3	Brass

	Part name	Part no.	End Type 1	End Type 2	Weight per UOM [lbs/UOM]
	ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	ProPEX 3/8"	Sweat 1/2"	0.05
	ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050	ProPEX 1/2"	Sweat 1/2"	0.06
	ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	ProPEX 1/2"	Sweat 3/4"	0.09
	ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350	ProPEX 5/8"	Sweat 1/2"	0.11
	ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375	ProPEX 5/8"	Sweat 3/4"	0.16
	ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550	ProPEX 3/4"	Sweat 1/2"	0.1
✔	ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575	ProPEX 3/4"	Sweat 3/4"	0.15

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	ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510	ProPEX 3/4"	Sweat 1"	0.3
	ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010	ProPEX 1"	Sweat 1"	0.31
	ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	Q5511313	ProPEX 1-1/4"	Sweat 1-1/4"	0.4
	ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020	ProPEX 2"	Sweat 2"	2
	ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	ProPEX 3"	Sweat 3"	2.85
	ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	Q5511515	ProPEX 1-1/2"	Sweat 1-1/2"	0.65

Part name	Part no.	Codes	Standards	Listings
ProPEX brass sweat adapters	All	IBC|IRC|NPC of Canada|UMC|IMC	ASTM F877|ASTM F1960|CSA B137.5|NSF-14	IAPMO-ES|ICC-ES-PMG
In addition, the following parts have additional codes, standards, or listings:				
ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	UPC|IPC|NSPC	NSF-372|NSF-61	cNSFus-pw-G|U.P.Code
ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050			cNSFus-rfh
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	UPC|IPC|NSPC	NSF-372|NSF-61	cNSFus-pw-G|U.P.Code
ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350			cNSFus-rfh
ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375			cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550			cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575			cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510			cNSFus-rfh
ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010			cNSFus-rfh
ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	Q5511313			cNSFus-rfh
ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020			cNSFus-rfh
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	UPC|IPC|NSPC	NSF-372|NSF-61	cNSFus-pw-G|U.P.Code
ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	Q5511515			cNSFus-rfh

Installation

Use the appropriate Uponor ProPEX ring for the pipe (sold separately). Do not solder within 18" of the ProPEX fitting. Refer to the Radiant Floor Heating Installation Handbook, Complete Design Assistance Manual (CDAM), or the Hydronic Piping Design Assistance Manual (HPDAM) for additional information.

Related applications

Radiant Heating and Cooling Systems

Permafrost Protection Systems

Turf Conditioning Systems

Hydronic Piping Systems

Footnotes

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