ProPEX brass sweat adapters

Project information

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

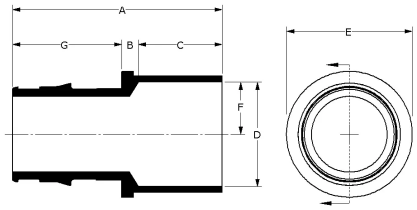
Technical data

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.1 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]	Cv	Equivalent length through [ft]	Material group	End Type 1
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	5.7	2	LF Brass	ProPEX 3/8"
ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050	1.368	0.159	0.5	0.631	0.77	0.315	5.7	2	Brass	ProPEX 1/2"
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	5.1	2.7	LF Brass	ProPEX 1/2"
ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350	1.491	0.125	0.5	0.629	0.94	0.315	-	-	Brass	ProPEX 5/8"
ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375	1.866	0.25	0.75	0.879	1.04	0.439	-	-	Brass	ProPEX 5/8"
ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550	1.675	0.23	0.5	0.631	1.1	0.315	8.8	1.4	Brass	ProPEX 3/4"
ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575	1.845	0.15	0.75	0.881	1.1	0.441	13.4	2.1	Brass	ProPEX 3/4"
ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510	2.07	0.215	0.91	1.132	1.26	0.566	10.9	3.7	Brass	ProPEX 3/4"
ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010	2.256	0.165	0.91	1.132	1.36	0.566	22.1	2.4	Brass	ProPEX 1"
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	34	3.9	Brass	ProPEX 1-1/4"
ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020	3.797	0.31	1.34	2.133	2.68	1.067	83.6	5.3	Brass	ProPEX 2"
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	5.33	0.29	1.66	3.13	3.79	1.565	189.1	8.79	LF Brass	ProPEX 3"
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	45.5	4.3	Brass	ProPEX 1-1/2"

Part name	Part no.	End Type 2	G [inch]	Weight per UOM [lbs/UOM]
ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	Sweat 1/2"	0.591	0.05
ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050	Sweat 1/2"	0.709	0.06
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	Sweat 3/4"	0.709	0.09
ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350	Sweat 1/2"	0.866	0.11
ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375	Sweat 3/4"	0.866	0.16
ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550	Sweat 1/2"	0.945	0.1

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ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575	Sweat 3/4"	0.945	0.15
ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510	Sweat 1"	0.945	0.3
ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010	Sweat 1"	1.181	0.31
ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	Q5511313	Sweat 1-1/4"	1.445	0.4
ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020	Sweat 2"	2.147	2
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	Sweat 3"	-	2.85
ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	Q5511515	Sweat 1-1/2"	1.704	0.65

Part name	Part no.	Codes	Standards	Listings
ProPEX brass sweat adapters	All	IMC|IBC|IRC|UMC|NPC of Canada	ASTM F1960|CSA B137.5|ASTM F877	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/ANSI/CAN 372|NSF/ANSI/CAN 61|NSF/ANSI 14	cNSFus-pw-G|U.P.Code
ProPEX Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	Q5515050		NSF-14	cNSFus-rfh
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	UPC|IPC|NSPC	NSF/ANSI/CAN 372|NSF/ANSI/CAN 61|NSF/ANSI 14	cNSFus-pw-G|U.P.Code
ProPEX Brass Sweat Adapter, 5/8" PEX x 1/2" Copper	Q4516350		NSF/ANSI 14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 5/8" PEX x 3/4" Copper	Q4516375		NSF/ANSI 14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	Q5517550		NSF/ANSI 14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	Q5517575		NSF/ANSI 14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 3/4" PEX x 1" Copper	Q5517510		NSF-14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 1" PEX x 1" Copper	Q5511010		NSF/ANSI 14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	Q5511313		NSF-14	cNSFus-rfh
ProPEX Brass Sweat Adapter, 2" PEX x 2" Copper	Q5512020		NSF-14	cNSFus-rfh
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	UPC|IPC|NSPC	NSF/ANSI 14|NSF/ANSI/CAN 61|NSF/ANSI/CAN 372	U.P.Code|cNSFus-pw-G
ProPEX Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	Q5511515		NSF-14	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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