

RIIFO PPSU Fittings Specifications

Product Information

RIIFO PPSU fittings are manufactured from a polyphenylsulfone high performance thermoplastic polymer. All materials are listed with NSF for potable water contact.

Recommended Applications

RIIFO PPSU fittings and copper crimp rings are intended and recommended for use in potable water distribution systems and hydronic radiant heating systems with RIIFO PEX tubing meeting the requirements of ASTM F876 and potable water distribution systems and hydronic radiant heating systems with RIIFO barrier tubing meeting the requirements of ASTM F2769 for potable water applications and ASTM F2623 for hydronic radiant heating systems. RIIFO PPSU fittings are rated to 210°F at 150psi.

For information on other hot and cold applications not listed here, consult with your RIIFO supplies representative.

RIIFO PPSU fittings are recommended for use in:

- Hot and cold potable water distribution systems
- Hydronic radiant heating systems
- Sealed central heating/under floor heating systems

Features & Benefits

- Resistant to the corrosive effects of water
- Recommended for hot water applications
- 25 year warranty as a RIIFO system and 10 year warranty on only fittings (see warranty)
- Design certified to NSF/ANSI 14, NSF/ANSI 61, ASTM F877 and ASTM F2159 standards for use in potable water and hydronic heating water distribution

Certifications

RIIFO poly alloy crimp fittings have been tested for health effects to NSF/ANSI14, NSF/ANSI 61 and performance to NSF/ANSI 372.

RIIFO PPSU fittings certifications include, but are not limited to:

- ASTM F2159
- NSF/ANSI 14
- NSF/ANSI 61
- NSF/ANSI 372
- CSA B137.5
- ASTM F877

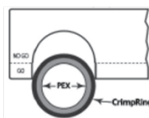
Quality Assurance

When the product is marked with ASTM F877 and/or F2159 designation, it affirms that the product was manufactured, inspected, sampled and tested in accordance with these specifications and has been found to meet the specified requirements.

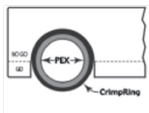
Do not expose PPSU fitting to any VOC (volatile organic chemical) compounds, paints, solvents, glues, cleaners, or disinfectants as they can reduce the strength and performance of the fittings.

Go/NoGo Testing

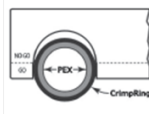
To test for proper fit of PEX/crimp ring, fully insert PEX tubing into Go/NoGo gauge for size of tubing:



If the ring does not fit at all, the crimp is a NoGo. Re-crimp the ring.



If the ring does slides all the way in, the crimp is compressed too small and is a NoGo. Remove the crimp ring and adjust.

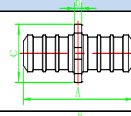
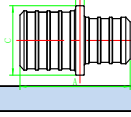
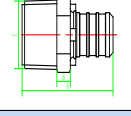
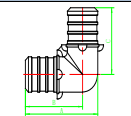
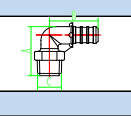
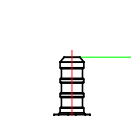
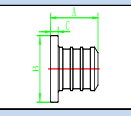
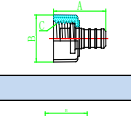
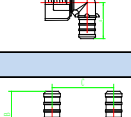
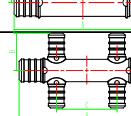


If the ring slides in and stops in the go range, the crimp is a Go and is ready to use.

*Note: Fully insert PEX tubing into fitting, slide crimp ring to within 1/8" and 1/4" from the end of tube. Make the connection.



RIIFO PPSU Fittings Specifications

Item	Part #	Description	A	B	C
Coupling					
	PPC38	3/8" CRIMP PEX COUPLING	1.504	0.102	0.553
	PPC12	1/2" CRIMP PEX COUPLING	1.504	0.102	0.677
	PPC34	3/4" CRIMP PEX COUPLING	1.520	0.118	0.925
	PPC1	1" CRIMP PEX COUPLING	1.830	0.130	1.000
	PPC1238	1/2" x 3/8" CRIMP PEX COUPLING	1.504	0.102	0.677
	PPC3412	3/4" x 1/2" CRIMP PEX COUPLING	1.520	0.118	0.925
	PPC112	1" x 1/2" CRIMP PEX COUPLING	1.681	0.130	1.000
	PPC134	1" x 3/4" CRIMP PEX COUPLING	1.681	0.130	1.000
Adapter					
	PPMTA12	1/2 PEX x 1/2" MALE NPT CRIMP ADAPTER	1.685	0.252	1/2" NPT
	PPMTA1234	1/2" PEX x 3/4" CRIMP MALE NPT ADAPTER	1.709	0.252	3/4" NPT
	PPMTA34	3/4 PEX X 3/4" MALE NPT CRIMP ADAPTER	1.709	0.252	3/4" NPT
	PPMTA1	1 Pex X 1 Male NPT Adapter	1.866	0.248	1" NPT
	PPMTA3412	3/4" x 1/2" PEX x MPT CRIMP MPT ADAPTER	1.685	0.252	1/2" NPT
Elbow					
	PP9038	3/8" CRIMP PEX ELBOW	1.263	1.089	1.089
	PP9012	1/2" CRIMP PEX ELBOW	1.390	1.154	1.154
	PP9034	3/4" CRIMP PEX ELBOW	1.596	1.262	1.262
	PP901	1" CRIMP PEX ELBOW	1.806	1.398	1.398
	PP903412	3/4" x 1/2" CRIMP PEX ELBOW	1.498	1.164	1.262
MPT Elbow					
	PPMT9012	1/2" PEX x 1/2" CRIMP MALE NPT ELBOW	1.486	1.250	1/2" NPT
	PPMT903412	3/4" PEX x 1/2" CRIMP MPT ELBOW	1.703	1.368	1/2" NPT
	PPMT9034	3/4" PEX x 3/4" CRIMP MPT ELBOW	1.733	1.394	3/4" NPT
Tee					
	PPT38	3/8" CRIMP PEX TEE	2.128	1.064	1.064
	PPT12	1/2" CRIMP PEX TEE	2.307	1.154	1.154
	PPT34	3/4" CRIMP PEX TEE	2.524	1.262	1.262
	PPT1	1" CRIMP PEX TEE	3.050	1.525	1.525
	PPT121234	1/2" x 1/2" x 3/4" CRIMP PEX TEE	2.307	1.154	1.262
	PPT34341	3/4" x 3/4" x 1" CRIMP PEX TEE	2.457	1.229	1.378
	PPT341212	3/4" x 1/2" x 1/2" CRIMP PEX TEE	2.415	1.262	1.262
	PPT13434	1" x 3/4" x 3/4" CRIMP PEX TEE	2.607	1.378	1.228
	PPT341234	3/4" x 1/2" x 3/4" CRIMP PEX TEE	2.415	1.262	1.262
	PPT1341	1" x 3/4" x 1" CRIMP PEX TEE	2.764	1.457	1.457
	PPT343412	3/4" x 3/4" x 1/2" CRIMP PEX TEE	2.524	1.262	1.262
PPT1112	1" x 1" x 1/2" CRIMP PEX TEE	2.680	1.340	1.315	
PPT1134	1" x 1" x 3/4" CRIMP PEX TEE	2.756	1.378	1.228	
Test Plug					
	PPTP38	3/8" CRIMP PEX PLUG	0.841	0.646	0.134
	PPTP12	1/2" CRIMP PEX PLUG	0.835	0.728	0.134
	PPTP34	3/4" CRIMP PEX PLUG	0.831	0.835	0.130
	PPTP1	1" CRIMP PEX PLUG	0.980	1.000	0.130
FPT Adaptor					
	PPSWFA12W	1/2 Pex X 1/2 Female NPSM (Wing nut or Rib nut) Swivel Adapter	1.489	1.150	1/2" NPT
	PPSWFA34H	3/4 Pex X 3/4" Female NPSM (Hex nut) Swivel Adapter	1.530	1.547	3/4" NPT
FPT Swivel Elbow					
	PPSW9034H	3/4 Pex X 3/4" Female NPSM (Hex nut) Swivel Elbow	1.250	1.369	3/4" NPT
	PPSW9012W	1/2 Pex X 1/2" Female NPSM (Wing nut or Rib nut) Swivel Elbow	1.161	1.171	1/2" NPT
Manifold					
	PPM3412234	PEX MANIFOLD 3/4" X 1/2" TWO PORT OPEN END	3.917	1.094	1.752
	PPM3412434	PEX MANIFOLD 3/4" X 1/2" FOUR PORT OPEN END	3.917	1.094	1.752
	PPM3412434B	PEX MANIFOLD 3/4" X 1/2" FOUR PORT OPEN END - Bilateral	7.421	1.094	1.752