

Wrought Copper Fittings

Description:

The CFI Copper Fittings are for use in plumbing and other mechanical applications. All 1/4" - 6" fittings are designed and engineered to provide superior performance at competitive cost. Wrought Copper Fittings are designed to join ASTM B88 and ASTM B280 seamless copper tube.



Material:

The compound of CFI copper fittings' raw material is 99.9% Cu.

Material Specifications:

CFI wrought copper is held to the material requirements below:

- UNS C12200
- IAPMO ASMEB16.2001(R2010)
- ASTM B75 Alloy C12200 Copper tube
- ASTM B152 Alloy C11000 Copper sheet, strip, plate
- ASTM B584 Alloy C84400 Copper alloy casting unions

Lead Free:

CFI wrought copper fittings are confirmed in compliance with federal and state lead content requirements of 0.25% or less. All CFI copper fittings are produced with Lead Free process.



CFI Copper Fittings are permanently and legibly marked with manufacturer's name or trade mark in accordance with MSS SP-25 and UPC mark. The wrought copper solder joint pressure fittings designed for use with copper water tube. To be installed in accordance with our instructions, and the requirements of the latest edition of Uniform Plumbing Code.

The product is certified and tested by IAPMO recognized laboratory. The recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Rated Internal Working Pressure for Copper Fittings (lbs/square inch)

Tube Size (Nominal inch)	-20 - 100°F	150°F	200°F	250°F	300°F	350°F	400°F
1/4"	848	721	678	678	664	565	424
3/8"	724	616	579	579	567	483	362
1/2"	671	570	537	537	525	447	336
5/8"	587	499	470	470	460	392	294
3/4"	541	460	433	433	424	361	271
1"	459	391	367	367	360	307	230
1-1/4"	408	347	326	326	320	272	204
1-1/2"	379	323	304	304	298	253	190
2"	339	287	271	271	265	225	169
2-1/2"	312	265	250	250	245	208	156
3"	295	251	236	236	231	196	148
3-1/2"	283	240	226	226	221	188	141
4"	272	232	219	219	214	182	137
5"	250	213	200	200	196	166	126
6"	233	198	187	187	182	155	116

Installation Instructions:

1. Cut copper tubing cleanly with a rotary tube cutter or fine toothed steel saw
2. Ream the cut end to remove the inside and outside burr of tube
3. Clean outside of tube to remove oxides using an emery cloth
4. Clean inside of fitting to remove oxides using a fitting brush
5. Flux the joint using brush to apply light uniform coat on the outside of tube and inside of fitting
6. Connect tube and fitting
7. Heat the joint evenly; hold the solder against the joint on the side opposite the flame until it melts and flows into the joint.