

LEAD FREE BRASS COMPRESSION FITTINGS (LFB_COMP)

Applications:

Conveying or dispensing water for human consumption through drinking or cooking as well as other air, oil and water applications. Used with Copper, Brass, Aluminum, Plastic Tube (add insert and use Delrin sleeve).

Do not use with steel tubing.

Lead Free Brass: (Not Containing more than 0.25% weighted average lead on wetted surfaces)

US Federal Legislation:

- Bill S.3874 "Reduction of Lead in Drinking Water Act"
- Passed by the Obama Administration January 5, 2011, with a 3 year phase in period, in full effect January 5, 2014
- Provides a US Federal mandate to adhere to the 0.25% weighted average lead content of wetted surfaces in all potable water systems throughout the United States.
- The above Federal legislation will make it an offence to sell, offer to sell, or install into service any plumbing product or device that may come in contact with potable water, that is in excess of the 0.25% weighted average lead content.

Low Lead requirements in Canada:

ASME A112.18.1/CSA N125.1 and CSA B125.3 standards for Plumbing fittings were amended as of December 2012 to include the following under section 4.9 Toxicity and Lead Content:

4.9.3

Fittings intended to convey or dispense water for human consumption through drinking or cooking shall not contain a weighted average lead content in excess of 0.25% when evaluated in accordance with the test method specified in NSF/ANSI 372.

WARNING: Because lead-free brass is harder it can also be more brittle.
To prevent cracking, extra care should be taken not to over-tighten lead-free fittings.

Working Pressure:

Dash Size	Copper Tube O.D.	PSI	Tube Wall
-2	1/8	400	.030
-3	3/16	400	.030
-4	1/4	300	.030
-5	5/16	300	.032
-6	3/8	200	.032
-8	1/2	200	.032
-10	5/8	150	.035
-12	3/4	100	.035

Assembly:

- Cut tube square and deburr
- Slide nut and sleeve on tube
- Add insert if plastic tube
- Shoulder tube in fitting and hand tighten nut onto fitting
- Wrench tighten past hand tight:
 (1 ¼ turns) 1/8 to 1/4
 (2 ¼ turns) 3/8 to 1"