

Rated Internal Working Pressures for Copper Tube Types K, L & M

Size Inches	TYPE K		TYPE L		TYPE M	
	Annealed	Drawn	Annealed	Drawn	Annealed	Drawn
Service Temperature up to 150° F (5,100 psi, annealed; 9,000 psi drawn)						
1/4	900	1595	810	1350	-	-
3/8	990	1745	675	1195	475	840
1/2	780	1375	625	1105	430	760
5/8	640	1135	545	965	-	-
3/4	750	1315	495	875	350	610
1	757	1010	440	770	295	515
1 1/4	465	820	385	680	295	515
1 1/2	435	765	355	630	290	510
2	380	665	315	555	300	450
2 1/2	355	520	295	520	235	410
3	340	605	275	490	220	385
3 1/2	325	570	270	470	215	385
4	315	555	255	450	215	380
5	305	540	235	410	205	355
6	305	540	215	385	190	335
8	325	580	240	420	200	350
10	330	585	240	425	205	355
12	330	585	225	395	205	360

Rated Internal Working Pressure (psi) for Copper Joint Tubes

Alloy Used For Joints	Service Temperature ° F	ENVIRONMENT						
		WATER AND NON-CORROSIVE LIQUIDS AND GASES					SATURATED STREAM	
		TUBE SIZE, TYPES K, L AND M (IN INCHES)						
		1/4 to 1 Incl.	1 1/4 to 2 Incl.	2 1/2 to 4 Incl.	5 to 8 Incl.	10 to 12 Incl.	All	
50-50 Tin-Lead Solder (a)	100	200	175	150	130	100	-	
	150	150	125	100	90	70	-	
	200	100	90	75	70	50	-	
	250	85	75	50	45	40	15	
95-5 Tin-Antimony Solder (a)	100	500	400	300	270	150	-	
	150	400	350	275	250	150	-	
	200	300	250	200	280	140	-	
	250	200	175	150	135	110	15	
Brazing Alloys (Melting at or above 1000° F)	100-150-200	(b)	(b)	(b)	(b)	(b)	-	
	250	300	210	170	150	150	-	
	350	270	190	150	150	150	120	

Note: Ratings up to 8 inches are those given in ANSI Standard B16.22 "Wrought Copper and Bronze Solder-Joint Pressure Fittings" and ANSI B16.18 "Cast Bronze Solder-Joint Pressure Fittings."

(a) Solder alloys are covered by ASTM Standard Specification B32.

(b) Rated internal pressure is that of tube being joined.