

MANDATORY APPENDIX I

U.S. CUSTOMARY EQUIVALENTS

TABLE I1 INTERNAL PRESSURE-TEMPERATURE RATINGS FOR COPPER FITTINGS (psi)

Standard Water Tube Size [Note (1)]	-20–100° F	150° F	200° F	250° F	300° F	350° F	400° F
1/8 [Note (2)]	1405	1195	1125	1125	1100	935	700
3/16 [Note (3)]	1105	940	885	885	865	735	550
1/4	910	770	725	725	710	605	455
3/8	775	660	620	620	610	515	385
1/2	720	610	575	575	565	480	360
5/8	630	535	505	505	490	420	315
3/4	580	490	465	465	455	385	290
1	490	420	395	395	385	325	245
1 1/4	435	370	350	350	340	290	215
1 1/2	405	345	325	325	315	270	200
2	360	305	290	290	280	240	180
2 1/2	335	285	265	265	260	220	165
3	315	265	250	250	245	210	155
3 1/2	300	255	240	240	235	200	150
4	290	245	230	230	225	195	145
5	265	225	215	215	210	175	130
6	250	210	200	200	195	165	125
8	270	225	215	215	210	180	135

GENERAL NOTES:

- (a) The fitting pressure-temperature rating applies to the largest opening of the fitting.
- (b) The fitting pressure-temperature rating is calculated, as shown in Nonmandatory Appendix A, then rounded down to the nearest unit of 5

NOTES:

- (1) For size designation of fittings, see para. 4.1.
- (2) 1/8 nominal size is 1/4 O.D. seamless copper tube for refrigeration service, etc., as listed in ASTM B 280.
- (3) 3/16 nominal size is 5/16 O.D. seamless copper tube for refrigeration service, etc., as listed in ASTM B 280.

TABLE 1 INTERNAL PRESSURE-TEMPERATURE RATINGS FOR COPPER FITTINGS, kPa

Standard Water Tube Size [Note (1)]	–29/38°C	66°C	93°C	121°C	149°C	177°C	204°C
1/8 [Note (2)]	9690	8240	7750	7750	7590	6460	4840
3/16 [Note (3)]	7630	6490	6110	6110	5980	5090	3810
1/4	6280	5340	5020	5020	4920	4190	3140
3/8	5360	4560	4290	4290	4200	3570	2680
1/2	4970	4220	3980	3980	3890	3310	2480
5/8	4350	3700	3480	3480	3410	2900	2170
3/4	4010	3410	3210	3210	3140	2670	2000
1	3400	2890	2720	2720	2660	2270	1700
1 1/4	3020	2570	2420	2420	2370	2010	1510
1 1/2	2810	2390	2250	2250	2200	1870	1400
2	2500	2130	2000	2000	1960	1670	1250
2 1/2	2310	1960	1850	1850	1810	1540	1150
3	2180	1850	1740	1740	1710	1450	1090
3 1/2	2090	1770	1670	1670	1630	1390	1040
4	2020	1710	1610	1610	1580	1340	1010
5	1850	1570	1480	1480	1450	1230	920
6	1720	1460	1380	1380	1350	1150	860
8	1860	1580	1490	1490	1460	1240	930

GENERAL NOTES:

(c) The fitting pressure-temperature rating applies to the largest opening of the fitting.

(d) The fitting pressure-temperature rating is calculated, as shown in Non-mandatory Appendix A, then rounded down to the nearest unit of 10.

NOTES:

(1) For size designation of fittings, see para. 4.1

(2) 1/8 nominal size is 1/4 O.D. seamless copper tube for refrigeration service, etc., as listed in ASTM B 280.

(3) 3/16 nominal size is 5/16 O.D. seamless copper tube for refrigeration service, etc., as listed in ASTM B 280.