

PRESSURE LIMITATIONS FOR PIPE TUBING, FITTINGS, AND FLANGES

SEAMLESS COPPER TUBING—K&L—ANSI H23.1-67

SIZE	(K) PSIG	L (PSIG)	TEMPERATURE
1"	557	420	150°F
1 ½"	420	347	150°F
2"	370	309	150°F
2 ½"	338	385	150°F
3"	328	270	150°F
4"	302	249	150°F
6"	295	229	150°F

Malleable Iron Fittings—ANSI B16.3

Class 150 300 PSIG @ 150°F (1/8"-6")
Class 300 1500 PSIG @ 150°F (1 ¼"-2")
1000 PSIG @ 150°F (2 ½"-4")

Malleable & Cast Iron Flanges—ANSI B16.1

Class 125 175 PSIG @ 100°F (1"-12")
Class 250 400 PSIG @ 150°F (1"-12")

Steel Flanges—ANSI B16.5

Class 150 285 PSIG @ 100°F (1"-12")
Class 300 740 PSIG @ 100°F (1"-12")

Cast Copper Solder Joint Flanges—ANSI B16.18/B16.24

Class 125 175 PSIG @ 150°F
Class 150 210 PSIG @ 150°F

Bronze Threaded Flanges—ANSI B16.24

Class 150 225 PSIG @ 150°F
Class 300 500 PSIG @ 150°F

NOTE:

1. Tin-antimony 95-5 solder joints are rated as follows:
1 ¼"-2" 400 PSIG @ 100°F
2 ¼"-4" 300 PSIG @ 100°F
6" 270 PSIG @ 100°F

Tin-antimony (lead free) solders are not recommended for use on brass.

2. For pressures and temperature limitations on components such as pumps, valves, tanks, gauges, switches, and pump connectors, etc. refer to the manufacturer's engineering data.