

Medical Gas Fittings Working Pressures Data Sheet



LAWTON
MED FITTINGS

Working Temperatures and Pressure

Service Temperature*				
Size	Min -40°C	30°C	65°C	Max 110°C
8mm to 28mm	25 bar	25 bar	25 bar	16 bar
35mm to 54mm	25 bar	25 bar	16 bar	10 bar
67mm	16 bar	16 bar	16 bar	10 bar

*LTC Fittings performance when correctly assembled with Lawton Tube's EN13448 copper tube using tin/copper soft solder EN 29453 or tin/silver soft solder EN 29453

Service Temperature**						
Size	Min -196°C	65°C	120°C	150°C	175°C	Max 200°C
8mm	62.5 bar	62.5 bar	58.8 bar	46.7 bar	35.5 bar	23.3 bar
10mm	50.9 bar	50.9 bar	47.9 bar	38.0 bar	28.9 bar	19.0 bar
12mm	42.9 bar	42.9 bar	40.3 bar	32.0 bar	24.3 bar	16.0 bar
15mm	40.3 bar	40.3 bar	37.9 bar	30.1 bar	22.8 bar	15.0 bar
22mm	35.6 bar	35.6 bar	33.5 bar	26.6 bar	20.2 bar	13.3 bar
28mm	28.2 bar	28.2 bar	26.5 bar	21.1 bar	16.0 bar	10.5 bar
35mm	25.2 bar	25.2 bar	23.7 bar	18.8 bar	14.3 bar	9.4 bar
42mm	23.2 bar	23.2 bar	21.8 bar	17.3 bar	13.1 bar	8.6 bar
54mm	19.8 bar	19.8 bar	18.6 bar	14.7 bar	11.2 bar	7.4 bar

** Max hydraulic working pressure for LTC fittings when assembled with Lawton Tube's EN13348 copper tube using hard solder (brazing alloy) to EN 1044

Service Temperature***					
Size	Min -196°C	65°C	120°C	150°C	Max 200°C
67mm	18.6 bar	18.6 bar	17.5 bar	14.0 bar	6.9 bar
76mm	18.6 bar	18.6 bar	17.5 bar	14.0 bar	6.9 bar
108mm	17.2 bar	17.2 bar	16.2 bar	12.9 bar	6.4 bar
133mm	10.5 bar	10.5 bar	8.5 bar	7.7 bar	4.1 bar
159mm	11.7 bar	11.7 bar	9.7 bar	8.6 bar	4.6 bar

*** Max hydraulic working pressure for LTC fittings when assembled with Lawton Tube's EN13348 copper tube using hard solder (brazing alloy) to EN 1044