

825 Tube - UNS # N08825 – B829

Maximum working pressure (MWP) ratings as per ASME B31.3-2018

METRIC SIZES

Outside Diameter (mm)	Wall Thickness (mm)	Maximum Working Pressure (PSI)	Maximum Working Pressure (BAR)
3.0	0.80	12902	890
3.0	0.50	7445	513
3.5	0.80	10720	739
3.5	0.50	6267	432
4.0	1.24	15559	1073
4.0	1.00	11931	823
4.0	0.80	9169	632
4.0	0.50	5411	373
6.0	1.35	10522	726
6.0	1.25	9614	663
6.0	1.00	7445	513
6.0	0.80	5808	401
8.0	2.00	11931	823
8.0	1.50	8512	587
8.0	1.25	6925	478
8.0	1.00	5411	373
8.0	0.80	4250	293
10.0	2.00	9169	632
10.0	1.50	6616	456
10.0	1.00	4250	293
12.0	2.50	9614	663
12.0	2.00	7445	513
12.0	1.60	5808	401
12.0	1.20	4250	293
12.0	1.00	3499	241
15.0	1.60	4555	314
16.0	4.00	12787	882
16.0	3.50	10889	751
16.0	3.00	9091	627
16.0	2.50	7384	509
16.0	2.00	5761	397
16.0	1.60	4519	312
16.0	1.20	3325	229
16.0	1.00	2745	189
20.0	4.00	9799	676
20.0	3.50	8398	579
20.0	3.00	7053	486
20.0	2.50	5761	397
20.0	2.00	4519	312

Condition: Annealed
Temperature: To 700 degrees F

Outside Diameter (mm)	Wall Thickness (mm)	Maximum Working Pressure (PSI)	Maximum Working Pressure (BAR)
20.0	1.50	3325	229
20.0	1.00	2175	150
22.0	2.00	4080	281
22.0	1.60	3219	222
22.0	1.00	1971	136
25.0	5.00	9799	676
25.0	4.00	7584	523
25.0	3.50	6530	450
25.0	3.00	5509	380
25.0	2.50	4519	312
25.0	2.00	3560	246
25.0	1.50	2630	181
25.0	1.00	1727	119
30.0	6.00	9799	676
30.0	5.00	7943	548
30.0	4.00	6186	427
30.0	3.50	5342	368
30.0	3.00	4519	312
30.0	2.50	3718	256
30.0	2.00	2937	203
30.0	1.50	2175	150
30.0	1.00	1432	99
38.0	6.00	7471	515
38.0	5.00	6096	420
38.0	4.00	4777	329
38.0	3.50	4137	285
38.0	3.00	3511	242
38.0	2.50	2896	200
38.0	2.00	2294	158
38.0	1.50	1704	118
50.0	7.00	6530	450
50.0	6.00	5509	380
50.0	5.00	4519	312
50.0	4.00	3560	246
50.0	3.50	3092	213
50.0	3.00	2630	181
50.0	2.50	2175	150
50.0	2.00	1727	119
57.0	7.00	5650	390
57.0	6.00	4777	329
57.0	5.00	3927	271
57.0	3.50	2694	186
57.0	2.00	1510	104
76.1	5.50	3198	221
76.1	2.00	1123	77

Condition: Annealed
 Temperature: To 700 degrees F