

**INCONEL® 600 (NICKEL-CHROMIUM-IRON) ANNEALED SEAMLESS TUBING
ASTM B-167 OR EQUIVALENT**

ALLOWABLE WORKING PRESSURE

ALLOWABLE STRESS = 20,00 PSI between -20° F and 800° F

WALL THICKNESS									
Tubing O.D	.028	.032	.035	.049	.065	.083	.095	.109	.120
1/8	7,340	10,658	13,510						
3/16	4,664	6,784	8,720	12,578					
1/4		4,920	6,306	9,204	12,510				
5/16		3,860	4,920	7,172	9,828				
3/8			4,034	5,836	8,034	10,520			
1/2			2,966	4,254	5,804	7,656			
5/8			2,346	3,346	4,538	5,944	6,922		
3/4			1,940	2,758	3,724	4,856	5,638	6,580	7,340
7/8			1,652	2,346	3,160	4,106	4,756	5,534	6,162
1			1,440	2,040	2,742	3,556	4,115	4,776	5,310

Factor of Safety = 4, considering tensile strength to be 80,000 PSI at room temperature

CALCULATED BURST PRESSURE

TENSILE STRENGTH = 80,000

WALL THICKNESS									
Tubing O.D	.028	.032	.035	.049	.065	.083	.095	.109	.120
1/8	29,360	42,630	54,050						
3/16	18,655	27,135	34,880	50,310					
1/4		19,680	25,225	36,815	50,404				
5/16		15,440	19,680	28,690	39,310				
3/8			16,135	23,345	32,135	42,080			
1/2			11,865	17,015	23,215	30,625			
5/8			9,385	13,385	18,150	23,775	27,690		
3/4			7,760	11,030	14,895	19,425	22,550	26,320	29,360
7/8			6,610	9,385	12,640	16,425	19,025	22,135	24,650
1			5,760	8,160	10,970	14,225	16,450	19,105	21,240

Reference: ANSI B31.3, Table A-1 and Par. 304.1.2

ASME Pressure Vessels, Section VIII,

Table UNF-23.3, Par. UG-27 and Appendix 1, Par. 1-2