

S = 10000		Rolled or Machined Cylinders								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
no undertolerance removed, no corrosion allowance, ASME VIII-1 App 1-1		Phone: (519)-880-9808 Fax: (519) 880-9810																		
Head Thickness		0.063	0.125	0.188	0.250	0.313	0.375	0.438	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.750	2.000	Inch
Max PSI at E=1.00		104.6	210.1	317.3	423.7	532	641	751	862	1087	1316	1549	1786	2027	2273	2523	2778	3302	3846	PSI
Max PSI at E=0.85		88.9	178.6	269.7	360.2	452	545	638	733	924	1118	1316	1518	1723	1932	2144	2361	2807	3269	PSI
Max PSI at E=0.7		73.2	147.1	222.1	296.6	372	449	526	603	761	921	1084	1250	1419	1591	1766	1944	2311	2692	PSI
12"	Volume	0.77	0.75	0.74	0.72	0.71	0.69	0.68	0.66	0.63	0.60	0.57	0.55	0.52	0.49	0.47	0.44	0.39	0.35	ft^3/ft
	Weight	8.0	15.9	23.7	31.4	39.1	46.6	54.1	61.5	76.0	90.2	104.1	117.6	130.8	143.7	156.2	168.4	191.8	213.8	Lb/ft cs
Max PSI at E=1.00		69.6	139.7	210.6	280.9	352.1	423.7	495.8	568	714	862	1012	1163	1316	1471	1627	1786	2108	2439	PSI
Max PSI at E=0.85		59.2	118.7	179.1	238.8	299.3	360.2	421.4	483	607	733	860	988	1118	1250	1383	1518	1792	2073	PSI
Max PSI at E=0.7		48.7	97.8	147.5	196.6	246.5	296.6	347.0	398	500	603	708	814	921	1029	1139	1250	1476	1707	PSI
18"	Volume	1.74	1.72	1.69	1.67	1.65	1.62	1.60	1.58	1.53	1.48	1.44	1.40	1.35	1.31	1.27	1.23	1.15	1.07	ft^3/ft
	Weight	12.0	23.9	35.8	47.4	59.1	70.7	82.2	93.6	116.1	138.3	160.2	181.8	203.0	223.9	244.4	264.6	304.0	342.1	Lb/ft cs
Max PSI at E=1.00		52.2	104.6	157.7	210.1	263.2	316.5	370.0	423.7	532	641	751	862	974	1087	1201	1316	1549	1786	PSI
Max PSI at E=0.85		44.4	88.9	134.0	178.6	223.7	269.0	314.5	360.2	452	545	638	733	828	924	1021	1118	1316	1518	PSI
Max PSI at E=0.7		36.5	73.2	110.4	147.1	184.2	221.5	259.0	296.6	372	449	526	603	682	761	841	921	1084	1250	PSI
24"	Volume	3.11	3.08	3.04	3.01	2.98	2.95	2.92	2.89	2.82	2.76	2.70	2.64	2.58	2.52	2.46	2.41	2.29	2.18	ft^3/ft
	Weight	16.0	31.9	47.9	63.5	79.1	94.7	110.2	125.6	156.2	186.4	216.3	245.9	275.1	304.0	332.6	360.8	416.3	470.4	Lb/ft cs
Max PSI at E=1.00		41.7	83.6	126.0	167.8	210.1	252.5	295.1	337.8	423.7	510	597	685	773	862	952	1042	1224	1408	PSI
Max PSI at E=0.85		35.5	71.1	107.1	142.6	178.6	214.6	250.8	287.2	360.2	434	508	582	657	733	809	885	1040	1197	PSI
Max PSI at E=0.7		29.2	58.5	88.2	117.4	147.1	176.8	206.6	236.5	296.6	357	418	479	541	603	666	729	857	986	PSI
30"	Volume	4.87	4.83	4.79	4.75	4.71	4.67	4.63	4.59	4.51	4.43	4.35	4.28	4.20	4.12	4.05	3.98	3.83	3.69	ft^3/ft
	Weight	20.0	39.9	59.9	79.5	99.2	118.8	138.3	157.7	196.3	234.6	272.5	310.1	347.3	384.2	420.8	457.1	528.6	598.7	Lb/ft cs
Max PSI at E=1.00		34.8	69.6	104.9	139.7	174.8	210.1	245.4	280.9	352.1	423.7	495.8	568	641	714	788	862	1012	1163	PSI
Max PSI at E=0.85		29.6	59.2	89.2	118.7	148.6	178.6	208.6	238.8	299.3	360.2	421.4	483	545	607	670	733	860	988	PSI
Max PSI at E=0.7		24.3	48.7	73.4	97.8	122.4	147.1	171.8	196.6	246.5	296.6	347.0	398	449	500	552	603	708	814	PSI
36"	Volume	7.02	6.97	6.92	6.87	6.83	6.78	6.73	6.68	6.59	6.49	6.40	6.31	6.21	6.12	6.03	5.94	5.76	5.59	ft^3/ft
	Weight	24.0	47.9	72.0	95.6	119.2	142.8	166.3	189.8	236.4	282.7	328.6	374.2	419.5	464.4	509.0	553.3	640.8	727.0	Lb/ft cs
Max PSI at E=1.00		29.8	59.7	89.8	119.6	149.7	179.9	210.1	240.4	301.2	362.3	423.7	485.4	547	610	672	735	862	990	PSI
Max PSI at E=0.85		25.3	50.7	76.4	101.7	127.2	152.9	178.6	204.3	256.0	308.0	360.2	412.6	465	518	572	625	733	842	PSI
Max PSI at E=0.7		20.9	41.8	62.9	83.7	104.8	125.9	147.1	168.3	210.8	253.6	296.6	339.8	383	427	471	515	603	693	PSI
42"	Volume	9.56	9.51	9.45	9.39	9.34	9.28	9.22	9.17	9.06	8.95	8.84	8.73	8.62	8.51	8.40	8.30	8.08	7.88	ft^3/ft
	Weight	28.0	56.0	84.0	111.6	139.3	166.9	194.4	221.9	276.5	330.8	384.7	438.4	491.7	544.6	597.2	649.5	753.1	855.3	Lb/ft cs
Max PSI at E=1.00		26.1	52.2	78.6	104.6	130.9	157.2	183.6	210.1	263.2	316.5	370.0	423.7	477.7	532	586	641	751	862	PSI
Max PSI at E=0.85		22.2	44.4	66.8	88.9	111.3	133.6	156.1	178.6	223.7	269.0	314.5	360.2	406.1	452	498	545	638	733	PSI
Max PSI at E=0.7		18.2	36.5	55.0	73.2	91.6	110.1	128.5	147.1	184.2	221.5	259.0	296.6	334.4	372	410	449	526	603	PSI
48"	Volume	12.50	12.44	12.37	12.31	12.24	12.18	12.11	12.05	11.92	11.79	11.67	11.54	11.42	11.29	11.17	11.04	10.80	10.56	ft^3/ft
	Weight	32.0	64.0	96.1	127.6	159.3	190.9	222.5	253.9	316.6	378.9	440.9	502.5	563.8	624.8	685.4	745.8	865.4	983.6	Lb/ft cs
Max PSI at E=1.00		23.2	46.4	69.8	92.9	116.3	139.7	163.1	186.6	233.6	280.9	328.3	375.9	423.7	471.7	520	568	665	763	PSI
Max PSI at E=0.85		19.7	39.4	59.4	79.0	98.8	118.7	138.6	158.6	198.6	238.8	279.1	319.5	360.2	400.9	442	483	566	649	PSI
Max PSI at E=0.7		16.2	32.5	48.9	65.1	81.4	97.8	114.2	130.6	163.6	196.6	229.8	263.2	296.6	330.2	364	398	466	534	PSI
54"	Volume	15.83	15.76	15.68	15.61	15.54	15.47	15.39	15.32	15.18	15.03	14.89	14.75	14.61	14.47	14.33	14.19	13.91	13.64	ft^3/ft
	Weight	36.0	72.0	108.2	143.7	179.4	215.0	250.5	286.0	356.7	427.0	497.0	566.7	636.0	705.0	773.7	842.0	977.6	1111.9	Lb/ft cs

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Head Thickness		0.063	0.125	0.188	0.250	0.313	0.375	0.438	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.750	2.000	Inch
Max PSI at E=1.00		20.9	41.7	62.8	83.6	104.6	125.6	146.7	167.8	210.1	252.5	295.1	337.8	380.7	423.7	466.9	510	597	685	PSI
Max PSI at E=0.85		17.7	35.5	53.4	71.1	88.9	106.8	124.7	142.6	178.6	214.6	250.8	287.2	323.6	360.2	396.9	434	508	582	PSI
Max PSI at E=0.7		14.6	29.2	44.0	58.5	73.2	87.9	102.7	117.4	147.1	176.8	206.6	236.5	266.5	296.6	326.8	357	418	479	PSI
60"	Volume	19.55	19.47	19.39	19.31	19.23	19.15	19.07	18.99	18.83	18.67	18.51	18.35	18.19	18.03	17.88	17.72	17.41	17.10	ft^3/ft
	Weight	40.1	80.0	120.2	159.7	199.4	239.1	278.6	318.1	396.8	475.1	553.1	630.8	708.2	785.2	861.9	938.2	1089.9	1240.2	Lb/ft cs
Max PSI at E=1.00		19.0	37.9	57.1	76.0	95.1	114.2	133.3	152.4	190.8	229.4	268.0	306.7	345.6	384.6	423.7	463.0	542	621	PSI
Max PSI at E=0.85		16.1	32.2	48.5	64.6	80.8	97.0	113.3	129.6	162.2	195.0	227.8	260.7	293.8	326.9	360.2	393.5	461	528	PSI
Max PSI at E=0.7		13.3	26.6	40.0	53.2	66.5	79.9	93.3	106.7	133.6	160.6	187.6	214.7	241.9	269.2	296.6	324.1	379	435	PSI
66"	Volume	23.67	23.58	23.49	23.40	23.31	23.22	23.13	23.04	22.87	22.69	22.52	22.34	22.17	21.99	21.82	21.65	21.31	20.97	ft^3/ft
	Weight	44.1	88.0	132.3	175.7	219.5	263.1	306.7	350.2	436.9	523.2	609.3	695.0	780.3	865.4	950.1	1034.4	1202.2	1368.5	Lb/ft cs
Max PSI at E=1.00		17.4	34.8	52.3	69.6	87.1	104.6	122.1	139.7	174.8	210.1	245.4	280.9	316.5	352.1	387.9	423.7	495.8	568	PSI
Max PSI at E=0.85		14.8	29.6	44.5	59.2	74.0	88.9	103.8	118.7	148.6	178.6	208.6	238.8	269.0	299.3	329.7	360.2	421.4	483	PSI
Max PSI at E=0.7		12.2	24.3	36.6	48.7	61.0	73.2	85.5	97.8	122.4	147.1	171.8	196.6	221.5	246.5	271.5	296.6	347.0	398	PSI
72"	Volume	28.18	28.08	27.98	27.88	27.79	27.69	27.59	27.49	27.30	27.11	26.92	26.73	26.53	26.34	26.16	25.97	25.59	25.22	ft^3/ft
	Weight	48.1	96.1	144.3	191.8	239.5	287.2	334.7	382.2	477.0	571.3	665.4	759.1	852.5	945.6	1038.3	1130.7	1314.4	1496.8	Lb/ft cs
Max PSI at E=1.00		16.0	32.1	48.3	64.3	80.4	96.5	112.7	128.9	161.3	193.8	226.4	259.1	291.8	324.7	357.6	390.6	456.9	524	PSI
Max PSI at E=0.85		13.6	27.3	41.1	54.6	68.3	82.0	95.8	109.5	137.1	164.7	192.4	220.2	248.1	276.0	304.0	332.0	388.4	445	PSI
Max PSI at E=0.7		11.2	22.5	33.8	45.0	56.3	67.6	78.9	90.2	112.9	135.7	158.5	181.3	204.3	227.3	250.3	273.4	319.8	366	PSI
78"	Volume	33.08	32.97	32.86	32.76	32.65	32.55	32.44	32.34	32.13	31.92	31.71	31.50	31.30	31.09	30.88	30.68	30.27	29.87	ft^3/ft
	Weight	52.1	104.1	156.4	207.8	259.6	311.2	362.8	414.3	517.0	619.5	721.5	823.3	924.7	1025.7	1126.5	1226.9	1426.7	1625.2	Lb/ft cs
Max PSI at E=1.00		14.9	29.8	44.8	59.7	74.6	89.6	104.6	119.6	149.7	179.9	210.1	240.4	270.8	301.2	331.7	362.3	423.7	485.4	PSI
Max PSI at E=0.85		12.7	25.3	38.1	50.7	63.4	76.2	88.9	101.7	127.2	152.9	178.6	204.3	230.1	256.0	282.0	308.0	360.2	412.6	PSI
Max PSI at E=0.7		10.4	20.9	31.4	41.8	52.2	62.7	73.2	83.7	104.8	125.9	147.1	168.3	189.5	210.8	232.2	253.6	296.6	339.8	PSI
84"	Volume	38.37	38.26	38.14	38.03	37.91	37.80	37.69	37.57	37.35	37.12	36.90	36.67	36.45	36.23	36.01	35.78	35.34	34.91	ft^3/ft
	Weight	56.1	112.1	168.5	223.9	279.6	335.3	390.9	446.4	557.1	667.6	777.7	887.4	996.8	1105.9	1214.7	1323.1	1538.9	1753.5	Lb/ft cs
Max PSI at E=1.00		13.9	27.8	41.8	55.7	69.6	83.6	97.6	111.6	139.7	167.8	196.0	224.2	252.5	280.9	309.3	337.8	395.0	452.5	PSI
Max PSI at E=0.85		11.8	23.6	35.6	47.3	59.2	71.1	83.0	94.9	118.7	142.6	166.6	190.6	214.6	238.8	262.9	287.2	335.8	384.6	PSI
Max PSI at E=0.7		9.7	19.5	29.3	39.0	48.7	58.5	68.3	78.1	97.8	117.4	137.2	157.0	176.8	196.6	216.5	236.5	276.5	316.7	PSI
90"	Volume	44.06	43.93	43.81	43.69	43.57	43.45	43.32	43.20	42.96	42.72	42.48	42.24	42.00	41.76	41.52	41.28	40.81	40.34	ft^3/ft
	Weight	60.1	120.1	180.5	239.9	299.7	359.3	418.9	478.5	597.2	715.7	833.8	951.6	1069.0	1186.1	1302.9	1419.3	1651.2	1881.8	Lb/ft cs
Max PSI at E=1.00		13.0	26.1	39.2	52.2	65.3	78.4	91.5	104.6	130.9	157.2	183.6	210.1	236.6	263.2	289.8	316.5	370.0	423.7	PSI
Max PSI at E=0.85		11.1	22.2	33.3	44.4	55.5	66.6	77.8	88.9	111.3	133.6	156.1	178.6	201.1	223.7	246.3	269.0	314.5	360.2	PSI
Max PSI at E=0.7		9.1	18.2	27.5	36.5	45.7	54.9	64.0	73.2	91.6	110.1	128.5	147.1	165.6	184.2	202.8	221.5	259.0	296.6	PSI
96"	Volume	50.13	50.00	49.87	49.74	49.61	49.48	49.35	49.22	48.97	48.71	48.45	48.19	47.94	47.68	47.43	47.17	46.67	46.16	ft^3/ft
	Weight	64.1	128.1	192.6	255.9	319.7	383.4	447.0	510.5	637.3	763.8	889.9	1015.7	1141.2	1266.3	1391.1	1515.6	1763.5	2010.1	Lb/ft cs
Max PSI at E=1.00		12.3	24.5	36.9	49.1	61.4	73.7	86.1	98.4	123.2	147.9	172.8	197.6	222.6	247.5	272.5	297.6	347.9	398.4	PSI
Max PSI at E=0.85		10.4	20.9	31.4	41.7	52.2	62.7	73.2	83.7	104.7	125.7	146.8	168.0	189.2	210.4	231.7	253.0	295.7	338.6	PSI
Max PSI at E=0.7		8.6	17.2	25.8	34.4	43.0	51.6	60.3	68.9	86.2	103.6	120.9	138.3	155.8	173.3	190.8	208.3	243.5	278.9	PSI
102"	Volume	56.61	56.47	56.33	56.19	56.05	55.91	55.78	55.64	55.36	55.09	54.81	54.54	54.27	54.00	53.73	53.46	52.92	52.38	ft^3/ft
	Weight	68.1	136.2	204.6	272.0	339.8	407.5	475.1	542.6	677.4	811.9	946.1	1079.9	1213.4	1346.5	1479.3	1611.8	1875.7	2138.4	Lb/ft cs

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Head Thickness		0.063	0.125	0.188	0.250	0.313	0.375	0.438	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.750	2.000	Inch
Max PSI at E=1.00		11.6	23.2	34.9	46.4	58.0	69.6	81.3	92.9	116.3	139.7	163.1	186.6	210.1	233.6	257.2	280.9	328.3	375.9	PSI
Max PSI at E=0.85		9.8	19.7	29.6	39.4	49.3	59.2	69.1	79.0	98.8	118.7	138.6	158.6	178.6	198.6	218.7	238.8	279.1	319.5	PSI
Max PSI at E=0.7		8.1	16.2	24.4	32.5	40.6	48.7	56.9	65.1	81.4	97.8	114.2	130.6	147.1	163.6	180.1	196.6	229.8	263.2	PSI
108"	Volume	63.47	63.32	63.18	63.03	62.88	62.74	62.59	62.44	62.15	61.86	61.57	61.28	60.99	60.71	60.42	60.13	59.56	58.99	ft^3/ft
	Weight	72.1	144.2	216.7	288.0	359.8	431.5	503.1	574.7	717.5	860.0	1002.2	1144.0	1285.5	1426.7	1567.5	1708.0	1988.0	2266.7	Lb/ft cs
Max PSI at E=1.00		11.0	21.9	33.0	43.9	54.9	66.0	77.0	88.0	110.1	132.3	154.5	176.7	198.9	221.2	243.6	266.0	310.8	359.9	PSI
Max PSI at E=0.85		9.3	18.7	28.1	37.3	46.7	56.1	65.4	74.8	93.6	112.4	131.3	150.2	169.1	188.1	207.0	226.1	264.2	302.5	PSI
Max PSI at E=0.7		7.7	15.4	23.1	30.8	38.5	46.2	53.9	61.6	77.1	92.6	108.1	123.7	139.3	154.9	170.5	186.2	217.6	249.1	PSI
114"	Volume	70.73	70.57	70.42	70.26	70.11	69.95	69.80	69.64	69.34	69.03	68.72	68.42	68.11	67.81	67.50	67.20	66.60	66.00	ft^3/ft
	Weight	76.1	152.2	228.8	304.0	379.9	455.6	531.2	606.8	757.6	908.1	1058.3	1208.2	1357.7	1506.9	1655.7	1804.2	2100.3	2395.0	Lb/ft cs
Max PSI at E=1.00		10.4	20.9	31.4	41.7	52.2	62.7	73.1	83.6	104.6	125.6	146.7	167.8	188.9	210.1	231.3	252.5	295.1	337.8	PSI
Max PSI at E=0.85		8.9	17.7	26.7	35.5	44.4	53.3	62.2	71.1	88.9	106.8	124.7	142.6	160.6	178.6	196.6	214.6	250.8	287.2	PSI
Max PSI at E=0.7		7.3	14.6	22.0	29.2	36.5	43.9	51.2	58.5	73.2	87.9	102.7	117.4	132.2	147.1	161.9	176.8	206.6	236.5	PSI
120"	Volume	78.38	78.21	78.05	77.89	77.72	77.56	77.40	77.24	76.91	76.59	76.27	75.94	75.62	75.30	74.98	74.66	74.03	73.39	ft^3/ft
	Weight	80.1	160.2	240.8	320.1	399.9	479.6	559.3	638.8	797.7	956.2	1114.5	1272.3	1429.9	1587.1	1743.9	1900.5	2212.5	2523.3	Lb/ft cs
Max PSI at E=1.00		9.9	19.9	29.9	39.7	49.7	59.7	69.6	79.6	99.6	119.6	139.7	159.7	179.9	200.0	220.2	240.4	280.9	321.5	PSI
Max PSI at E=0.85		8.4	16.9	25.4	33.8	42.2	50.7	59.2	67.7	84.7	101.7	118.7	135.8	152.9	170.0	187.1	204.3	238.8	273.3	PSI
Max PSI at E=0.7		6.9	13.9	20.9	27.8	34.8	41.8	48.7	55.7	69.7	83.7	97.8	111.8	125.9	140.0	154.1	168.3	196.6	225.1	PSI
126"	Volume	86.42	86.25	86.07	85.90	85.73	85.56	85.39	85.22	84.88	84.54	84.20	83.86	83.53	83.19	82.85	82.52	81.85	81.18	ft^3/ft
	Weight	84.2	168.2	252.9	336.1	419.9	503.7	587.3	670.9	837.8	1004.4	1170.6	1336.5	1502.0	1667.2	1832.1	1996.7	2324.8	2651.6	Lb/ft cs
Max PSI at E=1.00		9.5	19.0	28.5	37.9	47.4	56.9	66.5	76.0	95.1	114.2	133.3	152.4	171.6	190.8	210.1	229.4	268.0	306.7	PSI
Max PSI at E=0.85		8.1	16.1	24.2	32.2	40.3	48.4	56.5	64.6	80.8	97.0	113.3	129.6	145.9	162.2	178.6	195.0	227.8	260.7	PSI
Max PSI at E=0.7		6.6	13.3	20.0	26.6	33.2	39.9	46.5	53.2	66.5	79.9	93.3	106.7	120.1	133.6	147.1	160.6	187.6	214.7	PSI
132"	Volume	94.85	94.67	94.49	94.31	94.14	93.96	93.78	93.60	93.24	92.89	92.53	92.18	91.82	91.47	91.11	90.76	90.06	89.36	ft^3/ft
	Weight	88.2	176.2	264.9	352.2	440.0	527.7	615.4	703.0	877.9	1052.5	1226.7	1400.6	1574.2	1747.4	1920.3	2092.9	2437.1	2779.9	Lb/ft cs
Max PSI at E=1.00		9.1	18.1	27.3	36.3	45.4	54.5	63.6	72.7	90.9	109.2	127.5	145.8	164.1	182.5	200.9	219.3	256.2	293.3	PSI
Max PSI at E=0.85		7.7	15.4	23.2	30.8	38.6	46.3	54.0	61.8	77.3	92.8	108.3	123.9	139.5	155.1	170.7	186.4	217.8	249.3	PSI
Max PSI at E=0.7		6.3	12.7	19.1	25.4	31.8	38.1	44.5	50.9	63.6	76.4	89.2	102.0	114.9	127.7	140.6	153.5	179.4	205.3	PSI
138"	Volume	103.68	103.49	103.30	103.12	102.93	102.74	102.56	102.37	102.00	101.62	101.25	100.88	100.51	100.14	99.77	99.40	98.67	97.93	ft^3/ft
	Weight	92.2	184.3	277.0	368.2	460.0	551.8	643.5	735.1	918.0	1100.6	1282.8	1464.8	1646.4	1827.6	2008.6	2189.1	2549.3	2908.2	Lb/ft cs
Max PSI at E=1.00		8.7	17.4	26.1	34.8	43.5	52.2	60.9	69.6	87.1	104.6	122.1	139.7	157.2	174.8	192.4	210.1	245.4	280.9	PSI
Max PSI at E=0.85		7.4	14.8	22.2	29.6	37.0	44.4	51.8	59.2	74.0	88.9	103.8	118.7	133.6	148.6	163.6	178.6	208.6	238.8	PSI
Max PSI at E=0.7		6.1	12.2	18.3	24.3	30.4	36.5	42.6	48.7	61.0	73.2	85.5	97.8	110.1	122.4	134.7	147.1	171.8	196.6	PSI
144"	Volume	112.90	112.70	112.51	112.31	112.12	111.92	111.73	111.53	111.14	110.75	110.37	109.98	109.59	109.20	108.82	108.43	107.67	106.90	ft^3/ft
	Weight	96.2	192.3	289.1	384.2	480.1	575.9	671.5	767.1	958.1	1148.7	1339.0	1528.9	1718.5	1907.8	2096.8	2285.4	2661.6	3036.5	Lb/ft cs
Max PSI at E=1.00		8.3	16.7	25.1	33.4	41.7	50.1	58.5	66.8	83.6	100.4	117.2	134.0	150.9	167.8	184.7	201.6	235.5	269.5	PSI
Max PSI at E=0.85		7.1	14.2	21.3	28.4	35.5	42.6	49.7	56.8	71.1	85.3	99.6	113.9	128.3	142.6	157.0	171.4	200.2	229.1	PSI
Max PSI at E=0.7		5.8	11.7	17.6	23.4	29.2	35.1	40.9	46.8	58.5	70.3	82.0	93.8	105.6	117.4	129.3	141.1	164.9	188.7	PSI
150"	Volume	122.51	122.31	122.10	121.90	121.70	121.49	121.29	121.09	120.68	120.28	119.87	119.47	119.06	118.66	118.26	117.86	117.06	116.26	ft^3/ft
	Weight	100.2	200.3	301.1	400.3	500.1	599.9	699.6	799.2	998.2	1196.8	1395.1	1593.1	1790.7	1988.0	2185.0	2381.6	2773.8	3164.8	Lb/ft cs

S = 10000		Rolled or Machined Cylinders								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
no undertolerance removed, no corrosion allowance, ASME VIII-1 App 1-1		Phone: (519)-880-9808 Fax: (519) 880-9810																		
Head Thickness		0.063	0.125	0.188	0.250	0.313	0.375	0.438	0.500	0.625	0.750	0.875	1.000	1.125	1.250	1.375	1.500	1.750	2.000	Inch
Max PSI at E=1.00		8.0	16.0	24.1	32.1	40.1	48.2	56.2	64.3	80.4	96.5	112.7	128.9	145.1	161.3	177.5	193.8	226.4	259.1	PSI
Max PSI at E=0.85		6.8	13.6	20.5	27.3	34.1	40.9	47.8	54.6	68.3	82.0	95.8	109.5	123.3	137.1	150.9	164.7	192.4	220.2	PSI
Max PSI at E=0.7		5.6	11.2	16.9	22.5	28.1	33.7	39.4	45.0	56.3	67.6	78.9	90.2	101.5	112.9	124.3	135.7	158.5	181.3	PSI
156"	Volume	132.52	132.31	132.09	131.88	131.67	131.46	131.25	131.04	130.61	130.19	129.77	129.35	128.93	128.51	128.09	127.68	126.84	126.01	ft^3/ft
	Weight	104.2	208.3	313.2	416.3	520.2	624.0	727.7	831.3	1038.3	1244.9	1451.2	1657.2	1862.9	2068.2	2273.2	2477.8	2886.1	3293.1	Lb/ft cs
Max PSI at E=1.00		7.7	15.4	23.2	30.9	38.6	46.4	54.1	61.9	77.4	92.9	108.5	124.1	139.7	155.3	170.9	186.6	217.9	249.4	PSI
Max PSI at E=0.85		6.6	13.1	19.7	26.3	32.8	39.4	46.0	52.6	65.8	79.0	92.2	105.5	118.7	132.0	145.3	158.6	185.2	212.0	PSI
Max PSI at E=0.7		5.4	10.8	16.3	21.6	27.0	32.5	37.9	43.3	54.2	65.1	75.9	86.8	97.8	108.7	119.6	130.6	152.6	174.6	PSI
162"	Volume	142.92	142.70	142.48	142.26	142.04	141.82	141.60	141.38	140.94	140.50	140.06	139.63	139.19	138.76	138.32	137.89	137.02	136.16	ft^3/ft
	Weight	108.2	216.3	325.3	432.3	540.2	648.0	755.7	863.4	1078.4	1293.0	1507.4	1721.4	1935.0	2148.4	2361.4	2574.0	2998.4	3421.4	Lb/ft cs
Max PSI at E=1.00		7.4	14.9	22.4	29.8	37.3	44.7	52.2	59.7	74.6	89.6	104.6	119.6	134.6	149.7	164.8	179.9	210.1	240.4	PSI
Max PSI at E=0.85		6.3	12.7	19.0	25.3	31.7	38.0	44.4	50.7	63.4	76.2	88.9	101.7	114.5	127.2	140.1	152.9	178.6	204.3	PSI
Max PSI at E=0.7		5.2	10.4	15.7	20.9	26.1	31.3	36.5	41.8	52.2	62.7	73.2	83.7	94.3	104.8	115.3	125.9	147.1	168.3	PSI
168"	Volume	153.71	153.48	153.25	153.02	152.79	152.57	152.34	152.11	151.66	151.20	150.75	150.29	149.84	149.39	148.94	148.49	147.59	146.69	ft^3/ft
	Weight	112.2	224.4	337.3	448.4	560.3	672.1	783.8	895.4	1118.5	1341.2	1563.5	1785.5	2007.2	2228.6	2449.6	2670.3	3110.6	3549.7	Lb/ft cs
Max PSI at E=1.00		7.2	14.4	21.6	28.8	36.0	43.2	50.4	57.6	72.0	86.5	101.0	115.5	130.0	144.5	159.1	173.6	202.8	232.0	PSI
Max PSI at E=0.85		6.1	12.2	18.4	24.5	30.6	36.7	42.8	49.0	61.2	73.5	85.8	98.2	110.5	122.8	135.2	147.6	172.4	197.2	PSI
Max PSI at E=0.7		5.0	10.1	15.1	20.1	25.2	30.2	35.3	40.3	50.4	60.6	70.7	80.8	91.0	101.2	111.3	121.5	141.9	162.4	PSI
174"	Volume	164.89	164.66	164.42	164.18	163.95	163.71	163.47	163.24	162.77	162.30	161.83	161.36	160.89	160.42	159.95	159.48	158.55	157.63	ft^3/ft
	Weight	116.2	232.4	349.4	464.4	580.3	696.1	811.9	927.5	1158.6	1389.3	1619.6	1849.7	2079.4	2308.8	2537.8	2766.5	3222.9	3678.0	Lb/ft cs
Max PSI at E=1.00		6.9	13.9	20.9	27.8	34.8	41.7	48.7	55.7	69.6	83.6	97.6	111.6	125.6	139.7	153.7	167.8	196.0	224.2	PSI
Max PSI at E=0.85		5.9	11.8	17.8	23.6	29.6	35.5	41.4	47.3	59.2	71.1	83.0	94.9	106.8	118.7	130.7	142.6	166.6	190.6	PSI
Max PSI at E=0.7		4.9	9.7	14.6	19.5	24.3	29.2	34.1	39.0	48.7	58.5	68.3	78.1	87.9	97.8	107.6	117.4	137.2	157.0	PSI
180"	Volume	176.47	176.22	175.98	175.73	175.49	175.25	175.00	174.76	174.27	173.78	173.30	172.81	172.32	171.84	171.36	170.87	169.91	168.95	ft^3/ft
	Weight	120.2	240.4	361.4	480.5	600.4	720.2	839.9	959.6	1198.6	1437.4	1675.8	1913.8	2151.6	2388.9	2626.0	2862.7	3335.2	3806.3	Lb/ft cs
Max PSI at E=1.00		6.7	13.4	20.2	26.9	33.6	40.4	47.1	53.9	67.4	80.9	94.4	108.0	121.6	135.1	148.7	162.3	189.6	216.9	PSI
Max PSI at E=0.85		5.7	11.4	17.2	22.9	28.6	34.3	40.1	45.8	57.3	68.8	80.3	91.8	103.3	114.9	126.4	138.0	161.2	184.4	PSI
Max PSI at E=0.7		4.7	9.4	14.2	18.8	23.6	28.3	33.0	37.7	47.2	56.6	66.1	75.6	85.1	94.6	104.1	113.6	132.7	151.8	PSI
186"	Volume	188.44	188.19	187.93	187.68	187.43	187.17	186.92	186.67	186.16	185.66	185.16	184.66	184.15	183.65	183.15	182.65	181.66	180.66	ft^3/ft
	Weight	124.3	248.4	373.5	496.5	620.4	744.2	868.0	991.7	1238.7	1485.5	1731.9	1978.0	2223.7	2469.1	2714.2	2959.0	3447.4	3934.6	Lb/ft cs
Max PSI at E=1.00		6.5	13.0	19.6	26.1	32.6	39.1	45.7	52.2	65.3	78.4	91.5	104.6	117.7	130.9	144.1	157.2	183.6	210.1	PSI
Max PSI at E=0.85		5.5	11.1	16.7	22.2	27.7	33.3	38.8	44.4	55.5	66.6	77.8	88.9	100.1	111.3	122.4	133.6	156.1	178.6	PSI
Max PSI at E=0.7		4.6	9.1	13.7	18.2	22.8	27.4	32.0	36.5	45.7	54.9	64.0	73.2	82.4	91.6	100.8	110.1	128.5	147.1	PSI
192"	Volume	200.80	200.54	200.28	200.02	199.76	199.49	199.23	198.97	198.45	197.93	197.41	196.89	196.38	195.86	195.34	194.83	193.80	192.77	ft^3/ft
	Weight	128.3	256.4	385.6	512.5	640.5	768.3	896.1	1023.7	1278.8	1533.6	1788.0	2042.1	2295.9	2549.3	2802.4	3055.2	3559.7	4062.9	Lb/ft cs
Max PSI at E=1.00		6.3	12.6	19.0	25.3	31.6	37.9	44.3	50.6	63.3	76.0	88.7	101.4	114.2	126.9	139.7	152.4	178.0	203.7	PSI
Max PSI at E=0.85		5.4	10.7	16.2	21.5	26.9	32.2	37.6	43.0	53.8	64.6	75.4	86.2	97.0	107.9	118.7	129.6	151.3	173.1	PSI
Max PSI at E=0.7		4.4	8.8	13.3	17.7	22.1	26.6	31.0	35.4	44.3	53.2	62.1	71.0	79.9	88.8	97.8	106.7	124.6	142.6	PSI
198"	Volume	213.55	213.29	213.01	212.75	212.48	212.21	211.94	211.67	211.13	210.60	210.06	209.53	208.99	208.46	207.93	207.39	206.33	205.27	ft^3/ft
	Weight	132.3	264.5	397.6	528.6	660.5	792.4	924.1	1055.8	1318.9	1581.7	1844.2	2106.3	2368.1	2629.5	2890.6	3151.4	3672.0	4191.2	Lb/ft cs