

S = 20000		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		209.2	420.2	634.6	847.5	1064	1282	1502	1724	2174	2632	3097	3571	4054	4545	5046	5556	6604	7692	PSI
Max PSI at E=0.85		177.8	357.1	539.4	720.3	904	1090	1277	1466	1848	2237	2633	3036	3446	3864	4289	4722	5613	6538	PSI
Max PSI at E=0.7		146.4	294.1	444.2	593.2	745	897	1052	1207	1522	1842	2168	2500	2838	3182	3532	3889	4623	5385	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		139.3	279.3	421.3	561.8	704.2	847.5	991.5	1136	1429	1724	2023	2326	2632	2941	3254	3571	4217	4878	PSI
Max PSI at E=0.85		118.4	237.4	358.1	477.5	598.6	720.3	842.8	966	1214	1466	1720	1977	2237	2500	2766	3036	3584	4146	PSI
Max PSI at E=0.7		97.5	195.5	294.9	393.3	493.0	593.2	694.1	795	1000	1207	1416	1628	1842	2059	2278	2500	2952	3415	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		104.4	209.2	315.3	420.2	526.3	632.9	740.0	847.5	1064	1282	1502	1724	1948	2174	2402	2632	3097	3571	PSI
Max PSI at E=0.85		88.7	177.8	268.0	357.1	447.4	538.0	629.0	720.3	904	1090	1277	1466	1656	1848	2041	2237	2633	3036	PSI
Max PSI at E=0.7		73.1	146.4	220.7	294.1	368.4	443.0	518.0	593.2	745	897	1052	1207	1364	1522	1681	1842	2168	2500	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		83.5	167.2	251.9	335.6	420.2	505.1	590.2	675.7	847.5	1020	1195	1370	1546	1724	1903	2083	2448	2817	PSI
Max PSI at E=0.85		71.0	142.1	214.1	285.2	357.1	429.3	501.7	574.3	720.3	867	1015	1164	1314	1466	1618	1771	2080	2394	PSI
Max PSI at E=0.7		58.4	117.1	176.4	234.9	294.1	353.5	413.2	473.0	593.2	714	836	959	1082	1207	1332	1458	1713	1972	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		69.5	139.3	209.8	279.3	349.7	420.2	490.9	561.8	704.2	847.5	991.5	1136	1282	1429	1576	1724	2023	2326	PSI
Max PSI at E=0.85		59.1	118.4	178.3	237.4	297.2	357.1	417.3	477.5	598.6	720.3	842.8	966	1090	1214	1340	1466	1720	1977	PSI
Max PSI at E=0.7		48.7	97.5	146.8	195.5	244.8	294.1	343.6	393.3	493.0	593.2	694.1	795	897	1000	1103	1207	1416	1628	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		59.6	119.3	179.7	239.2	299.4	359.7	420.2	480.8	602.4	724.6	847.5	970.9	1095	1220	1345	1471	1724	1980	PSI
Max PSI at E=0.85		50.7	101.4	152.7	203.3	254.5	305.8	357.1	408.7	512.0	615.9	720.3	825.2	931	1037	1143	1250	1466	1683	PSI
Max PSI at E=0.7		41.7	83.5	125.8	167.5	209.6	251.8	294.1	336.5	421.7	507.2	593.2	679.6	766	854	941	1029	1207	1386	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		52.1	104.4	157.2	209.2	261.8	314.5	367.3	420.2	526.3	632.9	740.0	847.5	955.4	1064	1173	1282	1502	1724	PSI
Max PSI at E=0.85		44.3	88.7	133.6	177.8	222.5	267.3	312.2	357.1	447.4	538.0	629.0	720.3	812.1	904	997	1090	1277	1466	PSI
Max PSI at E=0.7		36.5	73.1	110.0	146.4	183.2	220.1	257.1	294.1	368.4	443.0	518.0	593.2	668.8	745	821	897	1052	1207	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		46.3	92.8	139.6	185.9	232.6	279.3	326.2	373.1	467.3	561.8	656.7	751.9	847.5	943.4	1040	1136	1331	1527	PSI
Max PSI at E=0.85		39.4	78.8	118.7	158.0	197.7	237.4	277.3	317.2	397.2	477.5	558.2	639.1	720.3	801.9	884	966	1131	1298	PSI
Max PSI at E=0.7		32.4	64.9	97.8	130.1	162.8	195.5	228.3	261.2	327.1	393.3	459.7	526.3	593.2	660.4	728	795	932	1069	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		41.7	83.5	125.6	167.2	209.2	251.3	293.4	335.6	420.2	505.1	590.2	675.7	761.4	847.5	933.8	1020	1195	1370	PSI
Max PSI at E=0.85		35.4	71.0	106.8	142.1	177.8	213.6	249.4	285.2	357.1	429.3	501.7	574.3	647.2	720.3	793.7	867	1015	1164	PSI
Max PSI at E=0.7		29.2	58.4	88.0	117.1	146.4	175.9	205.4	234.9	294.1	353.5	413.2	473.0	533.0	593.2	653.7	714	836	959	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		37.9	75.9	114.2	152.0	190.1	228.3	266.6	304.9	381.7	458.7	536.0	613.5	691.2	769.2	847.5	925.9	1084	1242	PSI
Max PSI at E=0.85		32.2	64.5	97.1	129.2	161.6	194.1	226.6	259.1	324.4	389.9	455.6	521.5	587.6	653.8	720.3	787.0	921	1056	PSI
Max PSI at E=0.7		26.5	53.1	79.9	106.4	133.1	159.8	186.6	213.4	267.2	321.1	375.2	429.4	483.9	538.5	593.2	648.1	759	870	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		34.7	69.5	104.7	139.3	174.2	209.2	244.2	279.3	349.7	420.2	490.9	561.8	632.9	704.2	775.7	847.5	991.5	1136	PSI
Max PSI at E=0.85		29.5	59.1	89.0	118.4	148.1	177.8	207.6	237.4	297.2	357.1	417.3	477.5	538.0	598.6	659.4	720.3	842.8	966	PSI
Max PSI at E=0.7		24.3	48.7	73.3	97.5	122.0	146.4	171.0	195.5	244.8	294.1	343.6	393.3	443.0	493.0	543.0	593.2	694.1	795	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		32.1	64.2	96.6	128.5	160.8	193.1	225.4	257.7	322.6	387.6	452.8	518.1	583.7	649.4	715.2	781.3	913.8	1047	PSI
Max PSI at E=0.85		27.3	54.6	82.1	109.3	136.7	164.1	191.6	219.1	274.2	329.5	384.9	440.4	496.1	551.9	607.9	664.1	776.8	890	PSI
Max PSI at E=0.7		22.5	44.9	67.6	90.0	112.5	135.1	157.8	180.4	225.8	271.3	316.9	362.7	408.6	454.5	500.7	546.9	639.7	733	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		29.8	59.6	89.7	119.3	149.3	179.2	209.2	239.2	299.4	359.7	420.2	480.8	541.5	602.4	663.4	724.6	847.5	970.9	PSI
Max PSI at E=0.85		25.3	50.7	76.2	101.4	126.9	152.3	177.8	203.3	254.5	305.8	357.1	408.7	460.3	512.0	563.9	615.9	720.3	825.2	PSI
Max PSI at E=0.7		20.8	41.7	62.8	83.5	104.5	125.4	146.4	167.5	209.6	251.8	294.1	336.5	379.1	421.7	464.4	507.2	593.2	679.6	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		27.8	55.6	83.7	111.4	139.3	167.2	195.2	223.2	279.3	335.6	391.9	448.4	505.1	561.8	618.7	675.7	790.1	905.0	PSI
Max PSI at E=0.85		23.6	47.3	71.1	94.7	118.4	142.1	165.9	189.7	237.4	285.2	333.1	381.2	429.3	477.5	525.9	574.3	671.6	769.2	PSI
Max PSI at E=0.7		19.5	38.9	58.6	78.0	97.5	117.1	136.6	156.3	195.5	234.9	274.4	313.9	353.5	393.3	433.1	473.0	553.0	633.5	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		26.1	52.1	78.5	104.4	130.5	156.7	183.0	209.2	261.8	314.5	367.3	420.2	473.2	526.3	579.6	632.9	740.0	847.5	PSI
Max PSI at E=0.85		22.1	44.3	66.7	88.7	111.0	133.2	155.5	177.8	222.5	267.3	312.2	357.1	402.2	447.4	492.6	538.0	629.0	720.3	PSI
Max PSI at E=0.7		18.2	36.5	54.9	73.1	91.4	109.7	128.1	146.4	183.2	220.1	257.1	294.1	331.2	368.4	405.7	443.0	518.0	593.2	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		24.5	49.1	73.8	98.2	122.9	147.5	172.2	196.9	246.3	295.9	345.5	395.3	445.1	495.0	545.1	595.2	695.8	796.8	PSI
Max PSI at E=0.85		20.8	41.7	62.8	83.5	104.4	125.4	146.3	167.3	209.4	251.5	293.7	336.0	378.3	420.8	463.3	506.0	591.5	677.3	PSI
Max PSI at E=0.7		17.2	34.3	51.7	68.8	86.0	103.2	120.5	137.8	172.4	207.1	241.9	276.7	311.6	346.5	381.6	416.7	487.1	557.8	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		23.2	46.3	69.7	92.8	116.0	139.3	162.6	185.9	232.6	279.3	326.2	373.1	420.2	467.3	514.5	561.8	656.7	751.9	PSI
Max PSI at E=0.85		19.7	39.4	59.3	78.8	98.6	118.4	138.2	158.0	197.7	237.4	277.3	317.2	357.1	397.2	437.3	477.5	558.2	639.1	PSI
Max PSI at E=0.7		16.2	32.4	48.8	64.9	81.2	97.5	113.8	130.1	162.8	195.5	228.3	261.2	294.1	327.1	360.1	393.3	459.7	526.3	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		21.9	43.9	66.1	87.9	109.9	131.9	154.0	176.1	220.3	264.6	308.9	353.4	397.9	442.5	487.2	531.9	621.7	711.7	PSI
Max PSI at E=0.85		18.6	37.3	56.1	74.7	93.4	112.1	130.9	149.6	187.2	224.9	262.6	300.4	338.2	376.1	414.1	452.1	528.4	605.0	PSI
Max PSI at E=0.7		15.4	30.7	46.2	61.5	76.9	92.3	107.8	123.2	154.2	185.2	216.2	247.3	278.5	309.7	341.0	372.3	435.2	498.2	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		20.8	41.7	62.7	83.5	104.4	125.3	146.3	167.2	209.2	251.3	293.4	335.6	377.8	420.2	462.6	505.1	590.2	675.7	PSI
Max PSI at E=0.85		17.7	35.4	53.3	71.0	88.7	106.5	124.3	142.1	177.8	213.6	249.4	285.2	321.2	357.1	393.2	429.3	501.7	574.3	PSI
Max PSI at E=0.7		14.6	29.2	43.9	58.4	73.1	87.7	102.4	117.1	146.4	175.9	205.4	234.9	264.5	294.1	323.8	353.5	413.2	473.0	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		19.8	39.7	59.8	79.5	99.4	119.3	139.3	159.2	199.2	239.2	279.3	319.5	359.7	400.0	440.4	480.8	561.8	643.1	PSI
Max PSI at E=0.85		16.9	33.8	50.8	67.6	84.5	101.4	118.4	135.4	169.3	203.3	237.4	271.6	305.8	340.0	374.3	408.7	477.5	546.6	PSI
Max PSI at E=0.7		13.9	27.8	41.8	55.6	69.6	83.5	97.5	111.5	139.4	167.5	195.5	223.6	251.8	280.0	308.2	336.5	393.3	450.2	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		18.9	37.9	57.0	75.9	94.9	113.9	132.9	152.0	190.1	228.3	266.6	304.9	343.2	381.7	420.2	458.7	536.0	613.5	PSI
Max PSI at E=0.85		16.1	32.2	48.5	64.5	80.6	96.8	113.0	129.2	161.6	194.1	226.6	259.1	291.8	324.4	357.1	389.9	455.6	521.5	PSI
Max PSI at E=0.7		13.3	26.5	39.9	53.1	66.4	79.7	93.0	106.4	133.1	159.8	186.6	213.4	240.3	267.2	294.1	321.1	375.2	429.4	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		18.1	36.3	54.6	72.6	90.7	108.9	127.1	145.3	181.8	218.3	254.9	291.5	328.2	365.0	401.8	438.6	512.4	586.5	PSI
Max PSI at E=0.85		15.4	30.8	46.4	61.7	77.1	92.6	108.1	123.5	154.5	185.6	216.7	247.8	279.0	310.2	341.5	372.8	435.6	498.5	PSI
Max PSI at E=0.7		12.7	25.4	38.2	50.8	63.5	76.3	89.0	101.7	127.3	152.8	178.4	204.1	229.8	255.5	281.2	307.0	358.7	410.6	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		17.4	34.7	52.3	69.5	87.0	104.4	121.8	139.3	174.2	209.2	244.2	279.3	314.5	349.7	384.9	420.2	490.9	561.8	PSI
Max PSI at E=0.85		14.8	29.5	44.4	59.1	73.9	88.7	103.6	118.4	148.1	177.8	207.6	237.4	267.3	297.2	327.2	357.1	417.3	477.5	PSI
Max PSI at E=0.7		12.2	24.3	36.6	48.7	60.9	73.1	85.3	97.5	122.0	146.4	171.0	195.5	220.1	244.8	269.4	294.1	343.6	393.3	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		16.7	33.4	50.2	66.8	83.5	100.2	116.9	133.7	167.2	200.8	234.4	268.1	301.8	335.6	369.4	403.2	471.1	539.1	PSI
Max PSI at E=0.85		14.2	28.4	42.7	56.7	71.0	85.2	99.4	113.6	142.1	170.7	199.3	227.9	256.5	285.2	314.0	342.7	400.4	458.2	PSI
Max PSI at E=0.7		11.7	23.3	35.1	46.7	58.4	70.1	81.9	93.6	117.1	140.6	164.1	187.7	211.3	234.9	258.6	282.3	329.7	377.4	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 = 20000		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		16.0	32.1	48.3	64.2	80.3	96.3	112.4	128.5	160.8	193.1	225.4	257.7	290.1	322.6	355.1	387.6	452.8	518.1	PSI
Max PSI at E=0.85		13.6	27.3	41.0	54.6	68.2	81.9	95.6	109.3	136.7	164.1	191.6	219.1	246.6	274.2	301.8	329.5	384.9	440.4	PSI
Max PSI at E=0.7		11.2	22.5	33.8	44.9	56.2	67.4	78.7	90.0	112.5	135.1	157.8	180.4	203.1	225.8	248.5	271.3	316.9	362.7	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		15.4	30.9	46.5	61.8	77.3	92.8	108.3	123.8	154.8	185.9	217.0	248.1	279.3	310.6	341.8	373.1	435.9	498.8	PSI
Max PSI at E=0.85		13.1	26.3	39.5	52.5	65.7	78.8	92.0	105.2	131.6	158.0	184.4	210.9	237.4	264.0	290.6	317.2	370.5	423.9	PSI
Max PSI at E=0.7		10.8	21.6	32.5	43.3	54.1	64.9	75.8	86.6	108.4	130.1	151.9	173.7	195.5	217.4	239.3	261.2	305.1	349.1	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		14.9	29.8	44.8	59.6	74.5	89.4	104.4	119.3	149.3	179.2	209.2	239.2	269.3	299.4	329.5	359.7	420.2	480.8	PSI
Max PSI at E=0.85		12.7	25.3	38.1	50.7	63.3	76.0	88.7	101.4	126.9	152.3	177.8	203.3	228.9	254.5	280.1	305.8	357.1	408.7	PSI
Max PSI at E=0.7		10.4	20.8	31.4	41.7	52.2	62.6	73.1	83.5	104.5	125.4	146.4	167.5	188.5	209.6	230.7	251.8	294.1	336.5	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		14.4	28.8	43.3	57.5	71.9	86.4	100.8	115.2	144.1	173.0	202.0	230.9	260.0	289.0	318.1	347.2	405.6	464.0	PSI
Max PSI at E=0.85		12.2	24.4	36.8	48.9	61.2	73.4	85.7	97.9	122.5	147.1	171.7	196.3	221.0	245.7	270.4	295.1	344.7	394.4	PSI
Max PSI at E=0.7		10.1	20.1	30.3	40.3	50.4	60.4	70.5	80.6	100.9	121.1	141.4	161.7	182.0	202.3	222.7	243.1	283.9	324.8	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		13.9	27.8	41.8	55.6	69.5	83.5	97.4	111.4	139.3	167.2	195.2	223.2	251.3	279.3	307.4	335.6	391.9	448.4	PSI
Max PSI at E=0.85		11.8	23.6	35.5	47.3	59.1	71.0	82.8	94.7	118.4	142.1	165.9	189.7	213.6	237.4	261.3	285.2	333.1	381.2	PSI
Max PSI at E=0.7		9.7	19.5	29.3	38.9	48.7	58.4	68.2	78.0	97.5	117.1	136.6	156.3	175.9	195.5	215.2	234.9	274.4	313.9	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		13.4	26.9	40.5	53.8	67.3	80.8	94.3	107.8	134.8	161.8	188.9	216.0	243.1	270.3	297.5	324.7	379.2	433.8	PSI
Max PSI at E=0.85		11.4	22.9	34.4	45.7	57.2	68.7	80.1	91.6	114.6	137.5	160.6	183.6	206.6	229.7	252.8	276.0	322.3	368.8	PSI
Max PSI at E=0.7		9.4	18.8	28.3	37.7	47.1	56.5	66.0	75.4	94.3	113.3	132.2	151.2	170.2	189.2	208.2	227.3	265.4	303.7	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		13.0	26.1	39.2	52.1	65.2	78.2	91.3	104.4	130.5	156.7	183.0	209.2	235.5	261.8	288.1	314.5	367.3	420.2	PSI
Max PSI at E=0.85		11.1	22.1	33.3	44.3	55.4	66.5	77.6	88.7	111.0	133.2	155.5	177.8	200.2	222.5	244.9	267.3	312.2	357.1	PSI
Max PSI at E=0.7		9.1	18.2	27.4	36.5	45.6	54.8	63.9	73.1	91.4	109.7	128.1	146.4	164.8	183.2	201.7	220.1	257.1	294.1	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		12.6	25.3	38.0	50.6	63.2	75.9	88.5	101.2	126.6	152.0	177.4	202.8	228.3	253.8	279.3	304.9	356.1	407.3	PSI
Max PSI at E=0.85		10.7	21.5	32.3	43.0	53.7	64.5	75.3	86.0	107.6	129.2	150.8	172.4	194.1	215.7	237.4	259.1	302.6	346.2	PSI
Max PSI at E=0.7		8.8	17.7	26.6	35.4	44.2	53.1	62.0	70.9	88.6	106.4	124.2	142.0	159.8	177.7	195.5	213.4	249.2	285.1	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