

<b>S = 6000</b>		<b>80:10 Flanged and Dished Heads</b>																	© 2003 Pressure Vessel Engineering Ltd. <a href="http://www.pveng.com">www.pveng.com</a>		
IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included		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	
<b>12"</b> 1' diameter	Max PSI at E=1.00	53.5	106.8	160.5	213.3	266.4	319.4	372.2	425.0	530.4	635.3	739.9	844.1	948.0	1051.5	1154.6	1257.3	1461.8	1664.8	PSI	
	Max PSI at E=0.85	45.4	90.8	136.4	181.3	226.4	271.4	316.4	361.3	450.8	540.0	628.9	717.5	805.8	893.7	981.4	1068.7	1242.5	1415.1	PSI	
	Height	2.73	2.75	2.77	2.79	2.81	2.84	2.86	2.88	2.94	2.99	3.05	3.11	3.17	3.24	3.30	3.38	3.52	3.68	Inch	
	Volume	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.03	ft³
	Weight	1.8	3.7	5.5	7.3	9.1	11.0	12.8	14.6	18.2	21.7	25.3	28.9	32.4	35.9	39.5	43.0	50.0	57.1	Lbs cs	
<b>18"</b> 1' 6" diameter	Max PSI at E=1.00	35.7	71.3	107.1	142.4	177.8	213.3	248.7	284.0	354.6	425.0	495.3	565.4	635.3	705.1	774.7	844.1	982.5	1120.2	PSI	
	Max PSI at E=0.85	30.3	60.6	91.0	121.0	151.2	181.3	211.4	241.4	301.4	361.3	421.0	480.6	540.0	599.3	658.5	717.5	835.1	952.2	PSI	
	Height	4.08	4.10	4.12	4.14	4.16	4.18	4.21	4.23	4.28	4.33	4.38	4.43	4.49	4.54	4.60	4.66	4.79	4.92	Inch	
	Volume	0.36	0.35	0.35	0.34	0.33	0.32	0.32	0.31	0.30	0.28	0.27	0.26	0.25	0.23	0.22	0.21	0.19	0.18	0.18	ft³
	Weight	4.1	8.3	12.4	16.5	20.6	24.7	28.8	32.9	41.0	49.1	57.2	65.3	73.4	81.4	89.4	97.4	113.3	129.2	Lbs cs	
<b>24"</b> 2' diameter	Max PSI at E=1.00	26.7	53.5	80.4	106.8	133.5	160.1	186.7	213.3	266.4	319.4	372.2	425.0	477.8	530.4	582.9	635.3	739.9	844.1	PSI	
	Max PSI at E=0.85	22.7	45.4	68.3	90.8	113.5	136.1	158.7	181.3	226.4	271.4	316.4	361.3	406.1	450.8	495.5	540.0	628.9	717.5	PSI	
	Height	5.43	5.45	5.47	5.49	5.51	5.53	5.56	5.58	5.62	5.67	5.72	5.77	5.82	5.87	5.93	5.98	6.10	6.22	Inch	
	Volume	0.86	0.85	0.84	0.82	0.81	0.79	0.78	0.77	0.74	0.72	0.69	0.67	0.65	0.63	0.60	0.58	0.54	0.51	0.51	ft³
	Weight	7.4	14.7	22.1	29.4	36.7	44.0	51.3	58.6	73.1	87.6	102.1	116.5	130.9	145.2	159.6	173.9	202.4	230.8	Lbs cs	
<b>30"</b> 2' 6" diameter	Max PSI at E=1.00	21.4	42.8	64.3	85.5	106.8	128.2	149.5	170.7	213.3	255.8	298.2	340.5	382.8	425.0	467.2	509.3	593.4	677.2	PSI	
	Max PSI at E=0.85	18.2	36.4	54.7	72.7	90.8	108.9	127.0	145.1	181.3	217.4	253.4	289.4	325.4	361.3	397.1	432.9	504.4	575.6	PSI	
	Height	6.79	6.80	6.82	6.84	6.87	6.89	6.91	6.93	6.97	7.02	7.06	7.11	7.16	7.21	7.26	7.31	7.42	7.53	Inch	
	Volume	1.69	1.67	1.65	1.63	1.61	1.58	1.56	1.54	1.50	1.46	1.42	1.38	1.34	1.31	1.27	1.24	1.17	1.11	1.11	ft³
	Weight	11.5	23.0	34.6	46.0	57.4	68.8	80.3	91.7	114.4	137.2	159.8	182.4	205.0	227.5	250.0	272.5	317.3	361.9	Lbs cs	
<b>36"</b> 3' diameter	Max PSI at E=1.00	17.8	35.7	53.6	71.3	89.1	106.8	124.6	142.4	177.8	213.3	248.7	284.0	319.4	354.6	389.9	425.0	495.3	565.4	PSI	
	Max PSI at E=0.85	15.2	30.3	45.6	60.6	75.7	90.8	105.9	121.0	151.2	181.3	211.4	241.4	271.4	301.4	331.4	361.3	421.0	480.6	PSI	
	Height	8.14	8.16	8.18	8.20	8.22	8.24	8.26	8.28	8.32	8.37	8.41	8.46	8.51	8.55	8.60	8.65	8.76	8.86	Inch	
	Volume	2.93	2.90	2.87	2.84	2.81	2.77	2.74	2.71	2.65	2.59	2.53	2.48	2.42	2.37	2.31	2.26	2.16	2.06	2.06	ft³
	Weight	16.6	33.1	49.8	66.2	82.7	99.2	115.7	132.1	165.0	197.8	230.5	263.1	295.7	328.3	360.8	393.2	457.9	522.4	Lbs cs	
<b>42"</b> 3' 6" diameter	Max PSI at E=1.00	15.3	30.6	46.0	61.1	76.3	91.6	106.8	122.1	152.5	182.9	213.3	243.6	273.9	304.2	334.5	364.7	425.0	485.3	PSI	
	Max PSI at E=0.85	13.0	26.0	39.1	51.9	64.9	77.9	90.8	103.8	129.6	155.5	181.3	207.1	232.8	258.6	284.3	310.0	361.3	412.5	PSI	
	Height	9.49	9.51	9.53	9.55	9.57	9.59	9.61	9.63	9.67	9.72	9.76	9.81	9.85	9.90	9.95	9.99	10.09	10.20	Inch	
	Volume	4.67	4.62	4.58	4.53	4.49	4.45	4.40	4.36	4.28	4.20	4.12	4.04	3.96	3.88	3.81	3.73	3.59	3.45	3.45	ft³
	Weight	22.6	45.1	67.8	90.1	112.6	135.1	157.5	179.9	224.7	269.4	314.0	358.6	403.0	447.4	491.8	536.0	624.4	712.5	Lbs cs	
<b>48"</b> 4' diameter	Max PSI at E=1.00	13.4	26.7	40.2	53.5	66.8	80.2	93.5	106.8	133.5	160.1	186.7	213.3	239.8	266.4	292.9	319.4	372.2	425.0	PSI	
	Max PSI at E=0.85	11.4	22.7	34.2	45.4	56.8	68.1	79.5	90.8	113.5	136.1	158.7	181.3	203.9	226.4	248.9	271.4	316.4	361.3	PSI	
	Height	10.85	10.86	10.88	10.90	10.92	10.94	10.96	10.98	11.03	11.07	11.11	11.16	11.20	11.25	11.29	11.34	11.44	11.54	Inch	
	Volume	6.97	6.92	6.86	6.80	6.74	6.69	6.63	6.57	6.46	6.36	6.25	6.14	6.04	5.94	5.84	5.74	5.55	5.36	5.36	ft³
	Weight	29.5	58.9	88.6	117.8	147.2	176.5	205.8	235.1	293.7	352.1	410.5	468.8	526.9	585.0	643.1	701.0	816.7	932.0	Lbs cs	
<b>54"</b> 4' 6" diameter	Max PSI at E=1.00	11.9	23.8	35.7	47.5	59.4	71.3	83.1	95.0	118.7	142.4	166.0	189.7	213.3	236.9	260.5	284.0	331.1	378.1	PSI	
	Max PSI at E=0.85	10.1	20.2	30.4	40.4	50.5	60.6	70.7	80.7	100.9	121.0	141.1	161.2	181.3	201.4	221.4	241.4	281.4	321.4	PSI	
	Height	12.20	12.22	12.24	12.26	12.28	12.30	12.32	12.34	12.38	12.42	12.46	12.51	12.55	12.60	12.64	12.69	12.78	12.88	Inch	
	Volume	9.94	9.86	9.79	9.72	9.65	9.57	9.50	9.43	9.29	9.15	9.02	8.88	8.75	8.62	8.49	8.36	8.11	7.87	7.87	ft³
	Weight	37.3	74.6	112.2	149.1	186.3	223.5	260.6	297.7	371.9	445.9	519.8	593.7	667.4	741.1	814.6	888.1	1034.7	1181.0	Lbs cs	

For Preliminary Use Only --- Contact Pressure Vessel Engineering Ltd. for pressure vessel design and drafting --- Use at your own risk

<b>S = 6000</b>		<b>80:10 Flanged and Dished Heads</b>																	© 2003 Pressure Vessel Engineering Ltd.		<a href="http://www.pveng.com">www.pveng.com</a>	
IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included																			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		
<b>60"</b> 5' diameter	Max PSI at E=1.00	10.7	21.4	32.2	42.8	53.5	64.1	74.8	85.5	106.8	128.2	149.5	170.7	192.0	213.3	234.5	255.8	298.2	340.5	PSI		
	Max PSI at E=0.85	9.1	18.2	27.3	36.4	45.4	54.5	63.6	72.7	90.8	108.9	127.0	145.1	163.2	181.3	199.3	217.4	253.4	289.4	PSI		
	Height	13.55	13.57	13.59	13.61	13.63	13.65	13.67	13.69	13.73	13.77	13.81	13.86	13.90	13.95	13.99	14.04	14.13	14.22	Inch		
	Volume	13.64	13.55	13.46	13.37	13.28	13.19	13.10	13.02	12.84	12.67	12.50	12.33	12.16	12.00	11.84	11.68	11.36	11.06	ft³		
	Weight	46.1	92.1	138.5	184.1	230.0	275.9	321.8	367.7	459.3	550.7	642.1	733.4	824.5	915.5	1006.5	1097.3	1278.6	1459.6	Lbs cs		
<b>66"</b> 5' 6" diameter	Max PSI at E=1.00	9.7	19.5	29.3	38.9	48.6	58.3	68.0	77.7	97.1	116.5	135.9	155.3	174.6	194.0	213.3	232.6	271.2	309.7	PSI		
	Max PSI at E=0.85	8.3	16.5	24.9	33.1	41.3	49.6	57.8	66.1	82.6	99.0	115.5	132.0	148.4	164.9	181.3	197.7	230.5	263.3	PSI		
	Height	14.90	14.92	14.94	14.96	14.98	15.00	15.02	15.04	15.08	15.12	15.17	15.21	15.25	15.30	15.34	15.38	15.48	15.57	Inch		
	Volume	18.17	18.06	17.95	17.84	17.73	17.62	17.52	17.41	17.20	16.99	16.78	16.57	16.37	16.17	15.97	15.78	15.39	15.01	ft³		
	Weight	55.7	111.5	167.6	222.8	278.4	333.9	389.5	445.0	555.9	666.6	777.3	887.8	998.2	1108.4	1218.6	1328.6	1548.3	1767.6	Lbs cs		
<b>72"</b> 6' diameter	Max PSI at E=1.00	8.9	17.8	26.8	35.7	44.6	53.5	62.4	71.3	89.1	106.8	124.6	142.4	160.1	177.8	195.6	213.3	248.7	284.0	PSI		
	Max PSI at E=0.85	7.6	15.2	22.8	30.3	37.9	45.4	53.0	60.6	75.7	90.8	105.9	121.0	136.1	151.2	166.2	181.3	211.4	241.4	PSI		
	Height	16.26	16.28	16.30	16.32	16.34	16.36	16.38	16.40	16.44	16.48	16.52	16.56	16.60	16.65	16.69	16.73	16.82	16.92	Inch		
	Volume	23.60	23.47	23.34	23.21	23.08	22.95	22.82	22.69	22.44	22.19	21.94	21.70	21.45	21.21	20.97	20.74	20.27	19.82	ft³		
	Weight	66.3	132.6	199.4	265.1	331.3	397.5	463.6	529.7	661.7	793.6	925.4	1057.0	1188.4	1319.8	1451.0	1582.0	1843.8	2105.1	Lbs cs		
<b>78"</b> 6' 6" diameter	Max PSI at E=1.00	8.2	16.5	24.8	32.9	41.1	49.4	57.6	65.8	82.2	98.6	115.0	131.4	147.8	164.2	180.6	196.9	229.6	262.3	PSI		
	Max PSI at E=0.85	7.0	14.0	21.0	28.0	35.0	42.0	48.9	55.9	69.9	83.8	97.8	111.7	125.6	139.6	153.5	167.4	195.2	222.9	PSI		
	Height	17.61	17.63	17.65	17.67	17.69	17.71	17.73	17.75	17.79	17.83	17.87	17.91	17.95	18.00	18.04	18.08	18.17	18.26	Inch		
	Volume	30.02	29.87	29.71	29.56	29.41	29.25	29.10	28.95	28.65	28.36	28.07	27.78	27.49	27.20	26.92	26.64	26.09	25.55	ft³		
	Weight	77.9	155.7	234.1	311.2	388.9	466.6	544.2	621.7	776.8	931.6	1086.3	1240.9	1395.3	1549.5	1703.7	1857.6	2165.1	2472.1	Lbs cs		
<b>84"</b> 7' diameter	Max PSI at E=1.00	7.6	15.3	23.0	30.6	38.2	45.8	53.5	61.1	76.3	91.6	106.8	122.1	137.3	152.5	167.7	182.9	213.3	243.6	PSI		
	Max PSI at E=0.85	6.5	13.0	19.5	26.0	32.5	39.0	45.4	51.9	64.9	77.9	90.8	103.8	116.7	129.6	142.5	155.5	181.3	207.1	PSI		
	Height	18.96	18.98	19.00	19.02	19.04	19.06	19.08	19.10	19.14	19.18	19.22	19.26	19.31	19.35	19.39	19.44	19.52	19.61	Inch		
	Volume	37.51	37.33	37.15	36.97	36.80	36.62	36.44	36.27	35.92	35.58	35.24	34.90	34.56	34.23	33.90	33.57	32.93	32.30	ft³		
	Weight	90.3	180.6	271.5	361.0	451.1	541.2	631.2	721.2	901.0	1080.7	1260.2	1439.6	1618.7	1797.7	1976.6	2155.3	2512.2	2868.6	Lbs cs		
<b>90"</b> 7' 6" diameter	Max PSI at E=1.00	7.1	14.3	21.5	28.5	35.7	42.8	49.9	57.0	71.3	85.5	99.7	113.9	128.2	142.4	156.6	170.7	199.1	227.4	PSI		
	Max PSI at E=0.85	6.1	12.1	18.2	24.2	30.3	36.4	42.4	48.5	60.6	72.7	84.8	96.8	108.9	121.0	133.1	145.1	169.2	193.3	PSI		
	Height	20.32	20.34	20.36	20.38	20.40	20.41	20.43	20.45	20.49	20.53	20.58	20.62	20.66	20.70	20.74	20.79	20.87	20.96	Inch		
	Volume	46.15	45.94	45.74	45.53	45.33	45.13	44.93	44.72	44.32	43.93	43.53	43.14	42.76	42.37	41.99	41.62	40.87	40.14	ft³		
	Weight	103.7	207.3	311.7	414.4	517.9	621.3	724.7	828.0	1034.5	1240.9	1447.0	1653.0	1858.8	2064.4	2269.8	2475.1	2885.2	3294.6	Lbs cs		
<b>96"</b> 8' diameter	Max PSI at E=1.00	6.7	13.4	20.1	26.7	33.4	40.1	46.8	53.5	66.8	80.2	93.5	106.8	120.2	133.5	146.8	160.1	186.7	213.3	PSI		
	Max PSI at E=0.85	5.7	11.4	17.1	22.7	28.4	34.1	39.8	45.4	56.8	68.1	79.5	90.8	102.1	113.5	124.8	136.1	158.7	181.3	PSI		
	Height	21.67	21.69	21.71	21.73	21.75	21.77	21.79	21.81	21.85	21.89	21.93	21.97	22.01	22.05	22.09	22.14	22.22	22.31	Inch		
	Volume	56.02	55.79	55.55	55.32	55.09	54.86	54.63	54.40	53.94	53.49	53.04	52.60	52.15	51.72	51.28	50.85	49.99	49.15	ft³		
	Weight	118.0	235.9	354.6	471.5	589.3	706.9	824.6	942.2	1177.2	1412.1	1646.7	1881.1	2115.4	2349.5	2583.3	2817.0	3283.9	3750.0	Lbs cs		
<b>102"</b> 8' 6" diameter	Max PSI at E=1.00	6.3	12.6	18.9	25.2	31.5	37.7	44.0	50.3	62.9	75.4	88.0	100.6	113.1	125.6	138.2	150.7	175.8	200.8	PSI		
	Max PSI at E=0.85	5.4	10.7	16.1	21.4	26.7	32.1	37.4	42.8	53.5	64.1	74.8	85.5	96.1	106.8	117.5	128.1	149.4	170.7	PSI		
	Height	23.02	23.04	23.06	23.08	23.10	23.12	23.14	23.16	23.20	23.24	23.28	23.32	23.36	23.40	23.45	23.49	23.57	23.66	Inch		
	Volume	67.22	66.95	66.69	66.42	66.16	65.90	65.64	65.38	64.86	64.35	63.84	63.34	62.84	62.34	61.85	61.36	60.39	59.43	ft³		
	Weight	133.2	266.3	400.4	532.3	665.3	798.1	931.0	1063.7	1329.1	1594.3	1859.3	2124.1	2388.6	2653.0	2917.1	3181.1	3708.4	4235.0	Lbs cs		

For Preliminary Use Only --- Contact Pressure Vessel Engineering Ltd. for pressure vessel design and drafting --- Use at your own risk

<b>S = 6000</b>		<b>80:10 Flanged and Dished Heads</b>																	© 2003 Pressure Vessel Engineering Ltd. <a href="http://www.pveng.com">www.pveng.com</a>	
IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included		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
<b>108"</b> 9' diameter	Max PSI at E=1.00	5.9	11.9	17.9	23.8	29.7	35.7	41.6	47.5	59.4	71.3	83.1	95.0	106.8	118.7	130.5	142.4	166.0	189.7	PSI
	Max PSI at E=0.85	5.1	10.1	15.2	20.2	25.3	30.3	35.4	40.4	50.5	60.6	70.7	80.7	90.8	100.9	110.9	121.0	141.1	161.2	PSI
	Height	24.38	24.40	24.42	24.44	24.45	24.47	24.49	24.51	24.55	24.59	24.63	24.67	24.72	24.76	24.80	24.84	24.93	25.01	Inch
	Volume	79.81	79.51	79.21	78.92	78.62	78.33	78.04	77.75	77.17	76.59	76.02	75.45	74.89	74.33	73.77	73.22	72.13	71.05	ft^3
	Weight	149.3	298.5	448.9	596.8	745.9	894.9	1043.8	1192.7	1490.3	1787.6	2084.8	2381.7	2678.4	2974.9	3271.2	3567.3	4158.8	4749.5	Lbs cs
<b>114"</b> 9' 6" diameter	Max PSI at E=1.00	5.6	11.3	16.9	22.5	28.2	33.8	39.4	45.0	56.3	67.5	78.8	90.0	101.2	112.4	123.7	134.9	157.3	179.7	PSI
	Max PSI at E=0.85	4.8	9.6	14.4	19.1	23.9	28.7	33.5	38.3	47.8	57.4	66.9	76.5	86.0	95.6	105.1	114.6	133.7	152.7	PSI
	Height	25.73	25.75	25.77	25.79	25.81	25.83	25.85	25.87	25.91	25.95	25.99	26.03	26.07	26.11	26.15	26.19	26.28	26.36	Inch
	Volume	93.88	93.55	93.22	92.89	92.56	92.23	91.91	91.58	90.94	90.29	89.65	89.02	88.39	87.76	87.14	86.52	85.30	84.09	ft^3
	Weight	166.3	332.6	500.2	665.0	831.1	997.1	1163.1	1329.0	1660.6	1992.0	2323.2	2654.1	2984.8	3315.3	3645.5	3975.6	4634.9	5293.5	Lbs cs
<b>120"</b> 10' diameter	Max PSI at E=1.00	5.4	10.7	16.1	21.4	26.7	32.1	37.4	42.8	53.5	64.1	74.8	85.5	96.2	106.8	117.5	128.2	149.5	170.7	PSI
	Max PSI at E=0.85	4.5	9.1	13.7	18.2	22.7	27.3	31.8	36.4	45.4	54.5	63.6	72.7	81.7	90.8	99.9	108.9	127.0	145.1	PSI
	Height	27.08	27.10	27.12	27.14	27.16	27.18	27.20	27.22	27.26	27.30	27.34	27.38	27.42	27.46	27.50	27.54	27.63	27.71	Inch
	Volume	109.52	109.15	108.78	108.42	108.05	107.69	107.33	106.97	106.25	105.54	104.83	104.12	103.42	102.73	102.04	101.35	99.99	98.64	ft^3
	Weight	184.3	368.6	554.2	736.9	920.9	1104.9	1288.8	1472.7	1840.2	2207.5	2574.5	2941.3	3307.8	3674.1	4040.2	4406.0	5136.9	5866.9	Lbs cs
<b>126"</b> 10' 6" diameter	Max PSI at E=1.00	5.1	10.2	15.3	20.4	25.5	30.6	35.7	40.7	50.9	61.1	71.3	81.4	91.6	101.8	111.9	122.1	142.4	162.6	PSI
	Max PSI at E=0.85	4.3	8.7	13.0	17.3	21.6	26.0	30.3	34.6	43.3	51.9	60.6	69.2	77.9	86.5	95.1	103.8	121.0	138.2	PSI
	Height	28.44	28.46	28.48	28.50	28.51	28.53	28.55	28.57	28.61	28.65	28.69	28.73	28.77	28.81	28.86	28.90	28.98	29.07	Inch
	Volume	126.80	126.39	125.99	125.59	125.19	124.79	124.39	123.99	123.20	122.41	121.63	120.85	120.07	119.30	118.54	117.78	116.27	114.78	ft^3
	Weight	203.2	406.3	611.0	812.4	1015.3	1218.2	1421.0	1623.7	2029.0	2434.0	2838.7	3243.2	3647.4	4051.3	4455.1	4858.5	5664.7	6469.9	Lbs cs
<b>132"</b> 11' diameter	Max PSI at E=1.00	4.9	9.7	14.6	19.5	24.3	29.2	34.0	38.9	48.6	58.3	68.0	77.7	87.4	97.1	106.8	116.5	135.9	155.3	PSI
	Max PSI at E=0.85	4.1	8.3	12.4	16.5	20.7	24.8	28.9	33.1	41.3	49.6	57.8	66.1	74.3	82.6	90.8	99.0	115.5	132.0	PSI
	Height	29.79	29.81	29.83	29.85	29.87	29.89	29.91	29.93	29.97	30.01	30.04	30.09	30.13	30.17	30.21	30.25	30.33	30.42	Inch
	Volume	145.81	145.37	144.92	144.48	144.04	143.60	143.16	142.72	141.85	140.99	140.13	139.27	138.42	137.57	136.73	135.90	134.24	132.59	ft^3
	Weight	223.0	446.0	670.6	891.7	1114.4	1337.1	1559.6	1782.2	2227.0	2671.5	3115.8	3559.8	4003.6	4447.0	4890.2	5333.2	6218.3	7102.3	Lbs cs
<b>138"</b> 11' 6" diameter	Max PSI at E=1.00	4.7	9.3	14.0	18.6	23.3	27.9	32.6	37.2	46.5	55.8	65.1	74.4	83.6	92.9	102.2	111.5	130.0	148.5	PSI
	Max PSI at E=0.85	4.0	7.9	11.9	15.8	19.8	23.7	27.7	31.6	39.5	47.4	55.3	63.2	71.1	79.0	86.9	94.7	110.5	126.3	PSI
	Height	31.14	31.16	31.18	31.20	31.22	31.24	31.26	31.28	31.32	31.36	31.40	31.44	31.48	31.52	31.56	31.60	31.68	31.77	Inch
	Volume	166.63	166.15	165.66	165.18	164.70	164.22	163.74	163.26	162.31	161.36	160.42	159.48	158.55	157.62	156.70	155.78	153.96	152.16	ft^3
	Weight	243.8	487.4	733.0	974.6	1218.0	1461.4	1704.7	1948.0	2434.2	2920.2	3405.8	3891.2	4376.3	4861.1	5345.7	5829.9	6797.7	7764.3	Lbs cs
<b>144"</b> 12' diameter	Max PSI at E=1.00	4.5	8.9	13.4	17.8	22.3	26.7	31.2	35.7	44.6	53.5	62.4	71.3	80.2	89.1	97.9	106.8	124.6	142.4	PSI
	Max PSI at E=0.85	3.8	7.6	11.4	15.2	18.9	22.7	26.5	30.3	37.9	45.4	53.0	60.6	68.1	75.7	83.3	90.8	105.9	121.0	PSI
	Height	32.50	32.52	32.54	32.55	32.57	32.59	32.61	32.63	32.67	32.71	32.75	32.79	32.83	32.87	32.91	32.95	33.04	33.12	Inch
	Volume	189.35	188.82	188.29	187.77	187.24	186.72	186.19	185.67	184.63	183.60	182.57	181.55	180.54	179.52	178.52	177.52	175.53	173.56	ft^3
	Weight	265.4	530.8	798.1	1061.2	1326.3	1591.3	1856.3	2121.1	2650.7	3179.9	3708.8	4237.4	4765.7	5293.7	5821.4	6348.8	7402.8	8455.7	Lbs cs
<b>150"</b> 12' 6" diameter	Max PSI at E=1.00	4.3	8.6	12.9	17.1	21.4	25.7	30.0	34.2	42.8	51.3	59.9	68.4	77.0	85.5	94.0	102.6	119.6	136.7	PSI
	Max PSI at E=0.85	3.6	7.3	10.9	14.6	18.2	21.8	25.5	29.1	36.4	43.6	50.9	58.2	65.4	72.7	79.9	87.2	101.7	116.2	PSI
	Height	33.85	33.87	33.89	33.91	33.93	33.95	33.97	33.99	34.02	34.06	34.10	34.14	34.18	34.22	34.27	34.31	34.39	34.47	Inch
	Volume	214.04	213.47	212.89	212.32	211.75	211.18	210.62	210.05	208.92	207.80	206.68	205.57	204.47	203.37	202.27	201.18	199.02	196.88	ft^3
	Weight	288.0	575.9	866.1	1151.5	1439.2	1726.8	2014.3	2301.7	2876.3	3450.6	4024.6	4598.3	5171.6	5744.7	6317.4	6889.9	8033.9	9176.7	Lbs cs

For Preliminary Use Only --- Contact Pressure Vessel Engineering Ltd. for pressure vessel design and drafting --- Use at your own risk

<b>S = 6000</b>		<b>80:10 Flanged and Dished Heads</b>																© 2003 Pressure Vessel Engineering Ltd. <a href="http://www.pveng.com">www.pveng.com</a>		
IKR = 10% of OD, IDR = 80% of OD, thickness as formed, skirt not included		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
<b>156"</b> 13' diameter	Max PSI at E=1.00	4.1	8.2	12.4	16.5	20.6	24.7	28.8	32.9	41.1	49.4	57.6	65.8	74.0	82.2	90.4	98.6	115.0	131.4	PSI
	Max PSI at E=0.85	3.5	7.0	10.5	14.0	17.5	21.0	24.5	28.0	35.0	42.0	48.9	55.9	62.9	69.9	76.9	83.8	97.8	111.7	PSI
	Height	35.20	35.22	35.24	35.26	35.28	35.30	35.32	35.34	35.38	35.42	35.46	35.50	35.54	35.58	35.62	35.66	35.74	35.82	Inch
	Volume	240.79	240.17	239.55	238.93	238.32	237.70	237.09	236.47	235.25	234.04	232.83	231.63	230.43	229.24	228.05	226.87	224.53	222.20	ft^3
	Weight	311.5	622.9	936.7	1245.5	1556.7	1867.7	2178.7	2489.6	3111.2	3732.4	4353.3	4973.9	5594.2	6214.1	6833.7	7453.0	8690.7	9927.1	Lbs cs
<b>162"</b> 13' 6" diameter	Max PSI at E=1.00	4.0	7.9	11.9	15.9	19.8	23.8	27.7	31.7	39.6	47.5	55.4	63.4	71.3	79.2	87.1	95.0	110.8	126.6	PSI
	Max PSI at E=0.85	3.4	6.7	10.1	13.5	16.8	20.2	23.6	26.9	33.7	40.4	47.1	53.8	60.6	67.3	74.0	80.7	94.2	107.6	PSI
	Height	36.56	36.58	36.60	36.61	36.63	36.65	36.67	36.69	36.73	36.77	36.81	36.85	36.89	36.93	36.97	37.01	37.09	37.18	Inch
	Volume	269.68	269.01	268.34	267.68	267.01	266.35	265.69	265.03	263.71	262.40	261.09	259.79	258.50	257.21	255.93	254.65	252.12	249.61	ft^3
	Weight	335.9	671.8	1010.2	1343.2	1678.7	2014.2	2349.6	2684.9	3355.3	4025.3	4695.0	5364.3	6033.3	6701.9	7370.3	8038.3	9373.3	10707.0	Lbs cs
<b>168"</b> 14' diameter	Max PSI at E=1.00	3.8	7.6	11.5	15.3	19.1	22.9	26.7	30.6	38.2	45.8	53.5	61.1	68.7	76.3	84.0	91.6	106.8	122.1	PSI
	Max PSI at E=0.85	3.2	6.5	9.8	13.0	16.2	19.5	22.7	26.0	32.5	39.0	45.4	51.9	58.4	64.9	71.4	77.9	90.8	103.8	PSI
	Height	37.91	37.93	37.95	37.97	37.99	38.01	38.03	38.05	38.08	38.12	38.16	38.20	38.24	38.28	38.32	38.36	38.45	38.53	Inch
	Volume	300.80	300.08	299.35	298.64	297.93	297.21	296.50	295.79	294.37	292.96	291.55	290.15	288.76	287.37	285.99	284.62	281.89	279.18	ft^3
	Weight	361.3	722.5	1086.4	1444.5	1805.4	2166.2	2527.0	2887.6	3608.6	4329.2	5049.5	5769.4	6489.0	7208.2	7927.1	8645.7	10081.7	11516.5	Lbs cs
<b>174"</b> 14' 6" diameter	Max PSI at E=1.00	3.7	7.4	11.1	14.8	18.4	22.1	25.8	29.5	36.9	44.3	51.6	59.0	66.4	73.7	81.1	88.4	103.2	117.9	PSI
	Max PSI at E=0.85	3.1	6.3	9.4	12.5	15.7	18.8	21.9	25.1	31.3	37.6	43.9	50.1	56.4	62.7	68.9	75.2	87.7	100.2	PSI
	Height	39.26	39.28	39.30	39.32	39.34	39.36	39.38	39.40	39.44	39.48	39.52	39.56	39.60	39.64	39.68	39.72	39.80	39.88	Inch
	Volume	334.22	333.45	332.67	331.91	331.14	330.37	329.61	328.84	327.32	325.80	324.30	322.79	321.30	319.81	318.32	316.85	313.91	311.00	ft^3
	Weight	387.5	775.0	1165.4	1549.6	1936.7	2323.8	2710.8	3097.7	3871.1	4644.2	5417.0	6189.3	6961.3	7733.0	8504.2	9275.2	10816.0	12355.4	Lbs cs
<b>180"</b> 15' diameter	Max PSI at E=1.00	3.6	7.1	10.7	14.3	17.8	21.4	25.0	28.5	35.7	42.8	49.9	57.0	64.1	71.3	78.4	85.5	99.7	113.9	PSI
	Max PSI at E=0.85	3.0	6.1	9.1	12.1	15.2	18.2	21.2	24.2	30.3	36.4	42.4	48.5	54.5	60.6	66.6	72.7	84.8	96.8	PSI
	Height	40.62	40.64	40.66	40.67	40.69	40.71	40.73	40.75	40.79	40.83	40.87	40.91	40.95	40.99	41.03	41.07	41.15	41.23	Inch
	Volume	370.03	369.20	368.37	367.55	366.73	365.91	365.09	364.27	362.64	361.02	359.40	357.79	356.19	354.59	353.00	351.42	348.27	345.15	ft^3
	Weight	414.7	829.4	1247.2	1658.3	2072.7	2486.9	2901.0	3315.1	4142.9	4970.3	5797.3	6623.9	7450.2	8276.1	9101.6	9926.8	11576.0	13223.8	Lbs cs
<b>186"</b> 15' 6" diameter	Max PSI at E=1.00	3.5	6.9	10.4	13.8	17.3	20.7	24.2	27.6	34.5	41.4	48.3	55.2	62.1	69.0	75.9	82.7	96.5	110.3	PSI
	Max PSI at E=0.85	2.9	5.9	8.8	11.7	14.7	17.6	20.5	23.5	29.3	35.2	41.0	46.9	52.8	58.6	64.5	70.3	82.0	93.7	PSI
	Height	41.97	41.99	42.01	42.03	42.05	42.07	42.09	42.10	42.14	42.18	42.22	42.26	42.30	42.34	42.38	42.42	42.50	42.59	Inch
	Volume	408.31	407.42	406.54	405.66	404.78	403.91	403.03	402.16	400.42	398.68	396.96	395.24	393.52	391.82	390.12	388.42	385.06	381.72	ft^3
	Weight	442.8	885.6	1331.8	1770.7	2213.2	2655.5	3097.7	3539.9	4423.8	5307.4	6190.6	7073.3	7955.7	8837.7	9719.3	10600.6	12361.9	14121.7	Lbs cs
<b>192"</b> 16' diameter	Max PSI at E=1.00	3.3	6.7	10.1	13.4	16.7	20.1	23.4	26.7	33.4	40.1	46.8	53.5	60.1	66.8	73.5	80.2	93.5	106.8	PSI
	Max PSI at E=0.85	2.8	5.7	8.5	11.4	14.2	17.1	19.9	22.7	28.4	34.1	39.8	45.4	51.1	56.8	62.5	68.1	79.5	90.8	PSI
	Height	43.32	43.34	43.36	43.38	43.40	43.42	43.44	43.46	43.50	43.54	43.58	43.61	43.65	43.69	43.73	43.77	43.86	43.94	Inch
	Volume	449.14	448.20	447.25	446.32	445.39	444.45	443.52	442.59	440.73	438.88	437.04	435.20	433.38	431.56	429.74	427.93	424.34	420.78	ft^3
	Weight	471.9	943.6	1419.1	1886.9	2358.3	2829.7	3300.9	3772.0	4714.0	5655.6	6596.7	7537.5	8477.8	9417.7	10357.3	11296.4	13173.5	15049.1	Lbs cs
<b>198"</b> 16' 6" diameter	Max PSI at E=1.00	3.2	6.5	9.8	13.0	16.2	19.5	22.7	25.9	32.4	38.9	45.4	51.8	58.3	64.8	71.3	77.7	90.7	103.6	PSI
	Max PSI at E=0.85	2.8	5.5	8.3	11.0	13.8	16.5	19.3	22.0	27.6	33.1	38.6	44.1	49.6	55.1	60.6	66.1	77.1	88.1	PSI
	Height	44.68	44.70	44.71	44.73	44.75	44.77	44.79	44.81	44.85	44.89	44.93	44.97	45.01	45.05	45.09	45.13	45.21	45.29	Inch
	Volume	492.61	491.61	490.60	489.61	488.61	487.62	486.63	485.64	483.66	481.69	479.73	477.78	475.83	473.90	471.96	470.04	466.21	462.42	ft^3
	Weight	501.8	1003.5	1509.2	2006.7	2508.0	3009.3	3510.5	4011.6	5013.4	6014.8	7015.8	8016.3	9016.5	10016.2	11015.5	12014.4	14011.0	16006.0	Lbs cs

For Preliminary Use Only --- Contact Pressure Vessel Engineering Ltd. for pressure vessel design and drafting --- Use at your own risk