

S = 8000		ASME Ratio Flanged and Dished Heads								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
IKR = 6% of Dia, IDR = OD, ASME VIII-1 UG-32(e), 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
12" 1' diameter	Max PSI at E=1.00	47.1	94.1	141.4	187.9	234.7	281.5	328.2	374.9	468.1	561.0	653.7	746.3	838.6	930.7	1022.5	1114.2	1296.9	1478.7	PSI
	Max PSI at E=0.85	40.0	79.9	120.2	159.7	199.5	239.3	279.0	318.7	397.8	476.9	555.7	634.3	712.8	791.1	869.2	947.1	1102.4	1256.9	PSI
	Height	2.06	2.092	2.123	2.154	2.185	2.217	2.250	2.283	2.350	2.420	2.491	2.564	2.638	2.714	2.792	2.872	3.037	3.207	Inch
	Volume	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.02
Weight	2.4	4.8	7.2	9.5	11.8	14.1	16.4	18.6	23.0	27.2	31.4	35.4	39.4	43.3	47.1	50.8	57.9	64.8	64.8	Lbs cs
18" 1' 6" diameter	Max PSI at E=1.00	31.4	62.7	94.3	125.4	156.6	187.9	219.1	250.3	312.6	374.9	437.0	499.1	561.0	622.9	684.6	746.3	869.3	991.9	PSI
	Max PSI at E=0.85	26.7	53.3	80.2	106.5	133.1	159.7	186.2	212.8	265.7	318.7	371.5	424.2	476.9	529.4	581.9	634.3	738.9	843.1	PSI
	Height	3.078	3.108	3.138	3.168	3.199	3.230	3.262	3.294	3.358	3.424	3.491	3.560	3.629	3.700	3.772	3.845	3.995	4.149	Inch
	Volume	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.16	0.14	0.13	0.13
Weight	5.5	10.9	16.3	21.6	26.9	32.2	37.4	42.5	52.7	62.7	72.6	82.3	91.8	101.2	110.5	119.6	137.4	154.6	154.6	Lbs cs
24" 2' diameter	Max PSI at E=1.00	23.5	47.1	70.7	94.1	117.5	141.0	164.4	187.9	234.7	281.5	328.2	374.9	421.5	468.1	514.6	561.0	653.7	746.3	PSI
	Max PSI at E=0.85	20.0	40.0	60.1	79.9	99.9	119.8	139.8	159.7	199.5	239.3	279.0	318.7	358.3	397.8	437.4	476.9	555.7	634.3	PSI
	Height	4.094	4.123	4.154	4.184	4.214	4.245	4.276	4.307	4.370	4.435	4.500	4.566	4.633	4.701	4.769	4.839	4.981	5.127	Inch
	Volume	0.64	0.63	0.62	0.61	0.59	0.58	0.57	0.56	0.55	0.53	0.51	0.49	0.47	0.46	0.44	0.43	0.40	0.37	0.37
Weight	9.7	19.4	29.1	38.6	48.1	57.5	66.9	76.2	94.7	112.9	130.9	148.7	166.3	183.6	200.8	217.7	251.0	283.5	283.5	Lbs cs
30" 2' 6" diameter	Max PSI at E=1.00	18.8	37.6	56.6	75.3	94.1	112.8	131.6	150.4	187.9	225.4	262.8	300.2	337.6	374.9	412.2	449.4	523.9	598.1	PSI
	Max PSI at E=0.85	16.0	32.0	48.1	64.0	79.9	95.9	111.9	127.8	159.7	191.5	223.4	255.2	286.9	318.7	350.4	382.0	445.3	508.4	PSI
	Height	5.110	5.139	5.169	5.199	5.230	5.260	5.291	5.322	5.384	5.447	5.511	5.576	5.641	5.707	5.774	5.842	5.979	6.120	Inch
	Volume	1.25	1.23	1.21	1.20	1.18	1.17	1.15	1.13	1.10	1.07	1.04	1.01	0.99	0.96	0.93	0.91	0.86	0.81	0.81
Weight	15.2	30.4	45.6	60.5	75.4	90.3	105.0	119.7	148.9	177.8	206.4	234.7	262.7	290.5	317.9	345.2	398.8	451.4	451.4	Lbs cs
36" 3' diameter	Max PSI at E=1.00	15.7	31.4	47.2	62.7	78.4	94.1	109.7	125.4	156.6	187.9	219.1	250.3	281.5	312.6	343.8	374.9	437.0	499.1	PSI
	Max PSI at E=0.85	13.3	26.7	40.1	53.3	66.6	79.9	93.2	106.5	133.1	159.7	186.2	212.8	239.3	265.7	292.2	318.7	371.5	424.2	PSI
	Height	6.126	6.155	6.185	6.215	6.245	6.276	6.306	6.337	6.398	6.461	6.524	6.588	6.652	6.717	6.782	6.849	6.983	7.120	Inch
	Volume	2.16	2.14	2.11	2.09	2.07	2.04	2.02	2.00	1.95	1.91	1.86	1.82	1.78	1.74	1.70	1.66	1.58	1.51	1.51
Weight	22.0	43.8	65.8	87.2	108.8	130.3	151.7	173.0	215.3	257.3	298.9	340.2	381.1	421.7	462.0	501.9	580.8	658.4	658.4	Lbs cs
42" 3' 6" diameter	Max PSI at E=1.00	13.4	26.9	40.4	53.8	67.2	80.6	94.1	107.5	134.3	161.1	187.9	214.6	241.4	268.1	294.8	321.5	374.9	428.2	PSI
	Max PSI at E=0.85	11.4	22.9	34.4	45.7	57.1	68.5	79.9	91.3	114.1	136.9	159.7	182.5	205.2	227.9	250.6	273.3	318.7	363.9	PSI
	Height	7.142	7.171	7.201	7.231	7.261	7.291	7.321	7.352	7.413	7.475	7.538	7.601	7.664	7.728	7.793	7.858	7.990	8.124	Inch
	Volume	3.44	3.41	3.37	3.34	3.31	3.28	3.24	3.21	3.15	3.09	3.03	2.97	2.91	2.85	2.80	2.74	2.63	2.53	2.53
Weight	29.9	59.7	89.6	118.9	148.4	177.7	206.9	236.1	294.0	351.5	408.6	465.3	521.6	577.4	632.9	688.0	797.0	904.5	904.5	Lbs cs
48" 4' diameter	Max PSI at E=1.00	11.8	23.5	35.4	47.1	58.8	70.6	82.3	94.1	117.5	141.0	164.4	187.9	211.3	234.7	258.1	281.5	328.2	374.9	PSI
	Max PSI at E=0.85	10.0	20.0	30.1	40.0	50.0	60.0	70.0	79.9	99.9	119.8	139.8	159.7	179.6	199.5	219.4	239.3	279.0	318.7	PSI
	Height	8.158	8.187	8.217	8.247	8.277	8.307	8.337	8.367	8.428	8.490	8.552	8.614	8.677	8.741	8.805	8.869	8.999	9.131	Inch
	Volume	5.14	5.10	5.05	5.01	4.97	4.93	4.88	4.84	4.76	4.68	4.60	4.52	4.44	4.37	4.29	4.22	4.07	3.93	3.93
Weight	39.1	78.0	117.1	155.4	194.0	232.4	270.7	308.9	384.9	460.4	535.4	609.9	684.0	757.6	830.8	903.4	1047.5	1189.7	1189.7	Lbs cs
54" 4' 6" diameter	Max PSI at E=1.00	10.5	20.9	31.5	41.8	52.3	62.7	73.2	83.6	104.5	125.4	146.2	167.0	187.9	208.7	229.5	250.3	291.9	333.4	PSI
	Max PSI at E=0.85	8.9	17.8	26.7	35.6	44.4	53.3	62.2	71.1	88.8	106.5	124.3	142.0	159.7	177.4	195.1	212.8	248.1	283.4	PSI
	Height	9.174	9.203	9.233	9.263	9.293	9.323	9.353	9.383	9.444	9.505	9.567	9.629	9.691	9.754	9.817	9.881	10.010	10.141	Inch
	Volume	7.33	7.27	7.22	7.16	7.11	7.05	7.00	6.95	6.84	6.74	6.64	6.53	6.43	6.34	6.24	6.14	5.96	5.77	5.77
Weight	49.4	98.7	148.3	196.9	245.7	294.5	343.0	391.5	488.0	583.9	679.3	774.1	868.4	962.2	1055.5	1148.2	1332.1	1514.1	1514.1	Lbs cs

S = 8000		ASME Ratio Flanged and Dished Heads								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
IKR = 6% of Dia, IDR = OD, ASME VIII-1 UG-32(e), thickness as formed		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
60" 5' diameter	Max PSI at E=1.00	9.4	18.8	28.3	37.6	47.1	56.5	65.9	75.3	94.1	112.8	131.6	150.4	169.1	187.9	206.6	225.4	262.8	300.2	PSI
	Max PSI at E=0.85	8.0	16.0	24.1	32.0	40.0	48.0	56.0	64.0	79.9	95.9	111.9	127.8	143.8	159.7	175.6	191.5	223.4	255.2	PSI
	Height	10.190	10.219	10.249	10.279	10.308	10.338	10.368	10.399	10.459	10.520	10.582	10.643	10.705	10.768	10.831	10.894	11.022	11.151	Inch
	Volume	10.1	10.0	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.7	8.6	8.3	8.1	ft^3
	Weight	61	122	183	243	304	364	424	484	603	722	840	958	1075	1191	1307	1422	1651	1877	Lbs cs
66" 5' 6" diameter	Max PSI at E=1.00	8.6	17.1	25.7	34.2	42.8	51.3	59.9	68.4	85.5	102.6	119.7	136.7	153.8	170.8	187.9	204.9	239.0	273.0	PSI
	Max PSI at E=0.85	7.3	14.5	21.9	29.1	36.4	43.6	50.9	58.2	72.7	87.2	101.7	116.2	130.7	145.2	159.7	174.2	203.1	232.0	PSI
	Height	11.206	11.235	11.265	11.295	11.324	11.354	11.384	11.414	11.475	11.536	11.597	11.658	11.720	11.782	11.845	11.908	12.034	12.163	Inch
	Volume	13.4	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.5	12.4	12.2	12.0	11.9	11.7	11.6	11.3	11.0	ft^3
	Weight	74	148	222	294	368	441	513	586	731	875	1018	1161	1303	1445	1586	1726	2004	2280	Lbs cs
72" 6' diameter	Max PSI at E=1.00	7.8	15.7	23.6	31.4	39.2	47.1	54.9	62.7	78.4	94.1	109.7	125.4	141.0	156.6	172.3	187.9	219.1	250.3	PSI
	Max PSI at E=0.85	6.7	13.3	20.1	26.7	33.3	40.0	46.7	53.3	66.6	79.9	93.2	106.5	119.8	133.1	146.4	159.7	186.2	212.8	PSI
	Height	12.222	12.251	12.281	12.311	12.340	12.370	12.400	12.430	12.490	12.551	12.612	12.673	12.735	12.797	12.859	12.922	13.048	13.175	Inch
	Volume	17.40	17.30	17.20	17.10	17.01	16.91	16.81	16.72	16.53	16.34	16.16	15.97	15.79	15.61	15.43	15.25	14.90	14.56	ft^3
	Weight	88	176	264	351	438	525	611	698	871	1042	1214	1384	1554	1723	1891	2059	2391	2722	Lbs cs
78" 6' 6" diameter	Max PSI at E=1.00	7.2	14.5	21.8	29.0	36.2	43.4	50.7	57.9	72.4	86.8	101.3	115.7	130.2	144.6	159.0	173.5	202.3	231.1	PSI
	Max PSI at E=0.85	6.2	12.3	18.5	24.6	30.8	36.9	43.1	49.2	61.5	73.8	86.1	98.4	110.6	122.9	135.2	147.4	172.0	196.4	PSI
	Height	13.238	13.267	13.297	13.327	13.356	13.386	13.416	13.446	13.506	13.567	13.627	13.688	13.750	13.811	13.873	13.936	14.061	14.188	Inch
	Volume	22.1	22.0	21.9	21.8	21.7	21.6	21.4	21.3	21.1	20.9	20.7	20.5	20.2	20.0	19.8	19.6	19.2	18.8	ft^3
	Weight	103	206	310	411	514	616	718	820	1023	1225	1426	1626	1826	2025	2223	2421	2813	3202	Lbs cs
84" 7' diameter	Max PSI at E=1.00	6.7	13.4	20.2	26.9	33.6	40.3	47.1	53.8	67.2	80.6	94.1	107.5	120.9	134.3	147.7	161.1	187.9	214.6	PSI
	Max PSI at E=0.85	5.7	11.4	17.2	22.9	28.6	34.3	40.0	45.7	57.1	68.5	79.9	91.3	102.8	114.1	125.5	136.9	159.7	182.5	PSI
	Height	14.254	14.283	14.313	14.343	14.372	14.402	14.432	14.462	14.522	14.582	14.643	14.704	14.765	14.826	14.888	14.950	15.075	15.201	Inch
	Volume	27.65	27.51	27.38	27.25	27.12	26.98	26.85	26.72	26.46	26.21	25.95	25.70	25.45	25.20	24.95	24.70	24.22	23.75	ft^3
	Weight	120	239	359	477	596	715	833	951	1187	1422	1655	1888	2121	2352	2582	2812	3269	3722	Lbs cs
90" 7' 6" diameter	Max PSI at E=1.00	6.3	12.6	18.9	25.1	31.4	37.6	43.9	50.2	62.7	75.3	87.8	100.3	112.8	125.4	137.9	150.4	175.4	200.4	PSI
	Max PSI at E=0.85	5.3	10.7	16.0	21.3	26.7	32.0	37.3	42.7	53.3	64.0	74.6	85.3	95.9	106.5	117.2	127.8	149.1	170.3	PSI
	Height	15.270	15.299	15.329	15.358	15.388	15.418	15.448	15.478	15.538	15.598	15.658	15.719	15.780	15.842	15.903	15.965	16.089	16.215	Inch
	Volume	34.0	33.9	33.7	33.6	33.4	33.3	33.1	33.0	32.7	32.4	32.1	31.8	31.5	31.2	30.9	30.6	30.1	29.5	ft^3
	Weight	137	275	413	548	685	821	957	1092	1363	1633	1902	2170	2437	2703	2968	3233	3759	4281	Lbs cs
96" 8' diameter	Max PSI at E=1.00	5.9	11.8	17.7	23.5	29.4	35.3	41.2	47.1	58.8	70.6	82.3	94.1	105.8	117.5	129.3	141.0	164.4	187.9	PSI
	Max PSI at E=0.85	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	50.0	60.0	70.0	79.9	89.9	99.9	109.9	119.8	139.8	159.7	PSI
	Height	16.286	16.315	16.345	16.374	16.404	16.434	16.464	16.494	16.553	16.614	16.674	16.735	16.796	16.857	16.918	16.980	17.104	17.229	Inch
	Volume	41.30	41.12	40.94	40.77	40.60	40.43	40.25	40.08	39.74	39.40	39.07	38.74	38.40	38.08	37.75	37.43	36.79	36.16	ft^3
	Weight	156	312	469	624	779	934	1089	1244	1552	1859	2166	2471	2776	3079	3381	3683	4283	4879	Lbs cs
102" 8' 6" diameter	Max PSI at E=1.00	5.5	11.1	16.7	22.1	27.7	33.2	38.8	44.3	55.4	66.4	77.5	88.5	99.6	110.6	121.7	132.7	154.8	176.9	PSI
	Max PSI at E=0.85	4.7	9.4	14.2	18.8	23.5	28.2	32.9	37.6	47.0	56.5	65.8	75.2	84.6	94.0	103.4	112.8	131.6	150.3	PSI
	Height	17.302	17.331	17.361	17.390	17.420	17.450	17.480	17.509	17.569	17.629	17.690	17.750	17.811	17.872	17.933	17.995	18.118	18.243	Inch
	Volume	49.5	49.3	49.1	49.0	48.8	48.6	48.4	48.2	47.8	47.4	47.0	46.6	46.3	45.9	45.5	45.2	44.4	43.7	ft^3
	Weight	176	353	530	704	880	1055	1230	1404	1753	2100	2446	2792	3136	3479	3821	4162	4842	5517	Lbs cs

S = 8000		ASME Ratio Flanged and Dished Heads								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
IKR = 6% of Dia, IDR = OD, ASME VIII-1 UG-32(e), thickness as formed		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
108" 9' diameter	Max PSI at E=1.00	5.2	10.5	15.7	20.9	26.1	31.4	36.6	41.8	52.3	62.7	73.2	83.6	94.1	104.5	114.9	125.4	146.2	167.0	PSI
	Max PSI at E=0.85	4.4	8.9	13.4	17.8	22.2	26.7	31.1	35.6	44.4	53.3	62.2	71.1	79.9	88.8	97.7	106.5	124.3	142.0	PSI
	Height	18.318	18.347	18.377	18.406	18.436	18.466	18.496	18.525	18.585	18.645	18.705	18.766	18.827	18.887	18.949	19.010	19.133	19.257	Inch
	Volume	58.8	58.6	58.4	58.2	57.9	57.7	57.5	57.3	56.9	56.4	56.0	55.6	55.2	54.7	54.3	53.9	53.1	52.3	ft^3
	Weight	198	395	594	790	987	1183	1379	1575	1966	2356	2744	3132	3518	3904	4288	4671	5434	6193	Lbs cs
114" 9' 6" diameter	Max PSI at E=1.00	5.0	9.9	14.9	19.8	24.8	29.7	34.7	39.6	49.5	59.4	69.3	79.2	89.1	99.0	108.9	118.8	138.5	158.3	PSI
	Max PSI at E=0.85	4.2	8.4	12.7	16.8	21.1	25.3	29.5	33.7	42.1	50.5	58.9	67.3	75.7	84.1	92.5	101.0	117.7	134.5	PSI
	Height	19.334	19.363	19.393	19.422	19.452	19.482	19.512	19.541	19.601	19.661	19.721	19.782	19.842	19.903	19.964	20.025	20.148	20.272	Inch
	Volume	69.2	69.0	68.7	68.5	68.2	68.0	67.7	67.5	67.0	66.5	66.0	65.6	65.1	64.6	64.2	63.7	62.8	61.9	ft^3
	Weight	220	441	662	880	1099	1318	1537	1755	2191	2626	3059	3492	3923	4353	4782	5209	6061	6908	Lbs cs
120" 10' diameter	Max PSI at E=1.00	4.7	9.4	14.2	18.8	23.5	28.2	32.9	37.6	47.1	56.5	65.9	75.3	84.7	94.1	103.4	112.8	131.6	150.4	PSI
	Max PSI at E=0.85	4.0	8.0	12.0	16.0	20.0	24.0	28.0	32.0	40.0	48.0	56.0	64.0	72.0	79.9	87.9	95.9	111.9	127.8	PSI
	Height	20.350	20.379	20.409	20.438	20.468	20.498	20.527	20.557	20.617	20.677	20.737	20.797	20.858	20.918	20.979	21.040	21.163	21.287	Inch
	Volume	80.72	80.45	80.18	79.91	79.63	79.36	79.09	78.82	78.29	77.76	77.23	76.70	76.18	75.66	75.14	74.62	73.60	72.60	ft^3
	Weight	244	488	734	975	1218	1461	1703	1946	2429	2911	3392	3871	4349	4826	5302	5777	6722	7663	Lbs cs
126" 10' 6" diameter	Max PSI at E=1.00	4.5	9.0	13.5	17.9	22.4	26.9	31.4	35.9	44.8	53.8	62.7	71.7	80.6	89.6	98.5	107.5	125.4	143.2	PSI
	Max PSI at E=0.85	3.8	7.6	11.5	15.2	19.1	22.9	26.7	30.5	38.1	45.7	53.3	60.9	68.5	76.1	83.7	91.3	106.5	121.7	PSI
	Height	21.366	21.395	21.425	21.454	21.484	21.514	21.543	21.573	21.633	21.693	21.753	21.813	21.873	21.934	21.995	22.056	22.178	22.301	Inch
	Volume	93.5	93.2	92.9	92.6	92.3	92.0	91.7	91.4	90.8	90.2	89.6	89.0	88.4	87.9	87.3	86.7	85.6	84.5	ft^3
	Weight	269	538	809	1075	1343	1611	1878	2146	2679	3210	3741	4270	4798	5324	5850	6374	7418	8457	Lbs cs
132" 11' diameter	Max PSI at E=1.00	4.3	8.6	12.9	17.1	21.4	25.7	29.9	34.2	42.8	51.3	59.9	68.4	77.0	85.5	94.1	102.6	119.7	136.7	PSI
	Max PSI at E=0.85	3.6	7.3	10.9	14.5	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	22.382	22.411	22.441	22.471	22.500	22.530	22.559	22.589	22.649	22.709	22.769	22.829	22.889	22.950	23.010	23.071	23.193	23.316	Inch
	Volume	107.48	107.15	106.81	106.49	106.16	105.83	105.50	105.18	104.53	103.88	103.24	102.60	101.96	101.33	100.70	100.07	98.83	97.60	ft^3
	Weight	296	591	888	1180	1475	1769	2062	2355	2941	3525	4107	4688	5268	5847	6424	7000	8147	9289	Lbs cs
138" 11' 6" diameter	Max PSI at E=1.00	4.1	8.2	12.3	16.4	20.5	24.6	28.6	32.7	40.9	49.1	57.3	65.5	73.6	81.8	90.0	98.1	114.5	130.8	PSI
	Max PSI at E=0.85	3.5	7.0	10.5	13.9	17.4	20.9	24.4	27.8	34.8	41.7	48.7	55.6	62.6	69.5	76.5	83.4	97.3	111.2	PSI
	Height	23.398	23.427	23.457	23.487	23.516	23.546	23.575	23.605	23.665	23.724	23.784	23.844	23.905	23.965	24.026	24.087	24.209	24.331	Inch
	Volume	122.8	122.5	122.1	121.7	121.4	121.0	120.7	120.3	119.6	118.9	118.2	117.5	116.8	116.1	115.4	114.7	113.4	112.0	ft^3
	Weight	323	646	971	1290	1612	1933	2254	2575	3215	3853	4491	5126	5761	6394	7025	7655	8911	10161	Lbs cs
144" 12' diameter	Max PSI at E=1.00	3.9	7.8	11.8	15.7	19.6	23.5	27.5	31.4	39.2	47.1	54.9	62.7	70.6	78.4	86.2	94.1	109.7	125.4	PSI
	Max PSI at E=0.85	3.3	6.7	10.0	13.3	16.7	20.0	23.3	26.7	33.3	40.0	46.7	53.3	60.0	66.6	73.3	79.9	93.2	106.5	PSI
	Height	24.414	24.443	24.473	24.503	24.532	24.562	24.591	24.621	24.681	24.740	24.800	24.860	24.920	24.981	25.041	25.102	25.224	25.346	Inch
	Volume	139.57	139.18	138.78	138.39	138.00	137.61	137.22	136.83	136.05	135.28	134.51	133.75	132.99	132.23	131.48	130.73	129.24	127.77	ft^3
	Weight	352	703	1057	1405	1755	2105	2455	2804	3501	4197	4891	5584	6275	6965	7653	8340	9709	11072	Lbs cs
150" 12' 6" diameter	Max PSI at E=1.00	3.8	7.5	11.3	15.1	18.8	22.6	26.4	30.1	37.6	45.2	52.7	60.2	67.7	75.3	82.8	90.3	105.3	120.3	PSI
	Max PSI at E=0.85	3.2	6.4	9.6	12.8	16.0	19.2	22.4	25.6	32.0	38.4	44.8	51.2	57.6	64.0	70.4	76.7	89.5	102.3	PSI
	Height	25.430	25.460	25.489	25.519	25.548	25.578	25.607	25.637	25.697	25.756	25.816	25.876	25.936	25.997	26.057	26.118	26.239	26.362	Inch
	Volume	157.8	157.3	156.9	156.5	156.1	155.6	155.2	154.8	154.0	153.1	152.3	151.5	150.6	149.8	149.0	148.2	146.6	144.9	ft^3
	Weight	382	763	1147	1525	1905	2285	2664	3043	3800	4555	5309	6061	6812	7561	8308	9054	10541	12023	Lbs cs

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

S = 8000		ASME Ratio Flanged and Dished Heads								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
IKR = 6% of Dia, IDR = OD, ASME VIII-1 UG-32(e), thickness as formed		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
156" 13' diameter	Max PSI at E=1.00	3.6	7.2	10.9	14.5	18.1	21.7	25.3	29.0	36.2	43.4	50.7	57.9	65.1	72.4	79.6	86.8	101.3	115.7	PSI
	Max PSI at E=0.85	3.1	6.2	9.3	12.3	15.4	18.5	21.5	24.6	30.8	36.9	43.1	49.2	55.4	61.5	67.7	73.8	86.1	98.4	PSI
	Height	26.446	26.476	26.505	26.535	26.564	26.594	26.623	26.653	26.713	26.772	26.832	26.892	26.952	27.012	27.073	27.133	27.255	27.377	Inch
	Volume	177.5	177.0	176.6	176.1	175.6	175.2	174.7	174.3	173.4	172.5	171.5	170.6	169.8	168.9	168.0	167.1	165.3	163.6	ft^3
	Weight	413	825	1241	1649	2061	2471	2882	3292	4111	4928	5744	6558	7370	8181	8990	9798	11408	13012	Lbs cs
162" 13' 6" diameter	Max PSI at E=1.00	3.5	7.0	10.5	13.9	17.4	20.9	24.4	27.9	34.9	41.8	48.8	55.8	62.7	69.7	76.7	83.6	97.5	111.4	PSI
	Max PSI at E=0.85	3.0	5.9	8.9	11.9	14.8	17.8	20.7	23.7	29.6	35.6	41.5	47.4	53.3	59.2	65.2	71.1	82.9	94.7	PSI
	Height	27.462	27.492	27.521	27.551	27.580	27.610	27.639	27.669	27.728	27.788	27.848	27.908	27.968	28.028	28.088	28.149	28.270	28.392	Inch
	Volume	198.8	198.3	197.8	197.3	196.8	196.3	195.8	195.3	194.3	193.3	192.4	191.4	190.4	189.5	188.5	187.6	185.7	183.8	ft^3
	Weight	445	890	1338	1779	2222	2666	3108	3551	4434	5316	6196	7074	7951	8825	9699	10570	12309	14040	Lbs cs
168" 14' diameter	Max PSI at E=1.00	3.4	6.7	10.1	13.4	16.8	20.2	23.5	26.9	33.6	40.3	47.1	53.8	60.5	67.2	73.9	80.6	94.1	107.5	PSI
	Max PSI at E=0.85	2.9	5.7	8.6	11.4	14.3	17.1	20.0	22.9	28.6	34.3	40.0	45.7	51.4	57.1	62.8	68.5	79.9	91.3	PSI
	Height	28.478	28.508	28.537	28.567	28.596	28.626	28.655	28.685	28.744	28.804	28.864	28.924	28.984	29.044	29.104	29.164	29.286	29.408	Inch
	Volume	221.72	221.19	220.64	220.11	219.58	219.05	218.51	217.98	216.93	215.87	214.82	213.78	212.74	211.70	210.67	209.64	207.60	205.57	ft^3
	Weight	479	957	1439	1913	2390	2867	3343	3819	4769	5718	6665	7610	8553	9495	10434	11372	13243	15108	Lbs cs
174" 14' 6" diameter	Max PSI at E=1.00	3.2	6.5	9.8	13.0	16.2	19.5	22.7	26.0	32.5	38.9	45.4	51.9	58.4	64.9	71.4	77.9	90.8	103.8	PSI
	Max PSI at E=0.85	2.8	5.5	8.3	11.0	13.8	16.6	19.3	22.1	27.6	33.1	38.6	44.1	49.6	55.2	60.7	66.2	77.2	88.2	PSI
	Height	29.494	29.524	29.553	29.583	29.612	29.642	29.671	29.701	29.760	29.820	29.880	29.939	29.999	30.060	30.120	30.180	30.301	30.423	Inch
	Volume	246.4	245.8	245.2	244.6	244.1	243.5	242.9	242.3	241.2	240.1	239.0	237.8	236.7	235.6	234.5	233.4	231.2	229.0	ft^3
	Weight	514	1027	1544	2052	2564	3076	3587	4097	5117	6135	7151	8165	9177	10188	11197	12204	14213	16214	Lbs cs
180" 15' diameter	Max PSI at E=1.00	3.1	6.3	9.4	12.6	15.7	18.8	22.0	25.1	31.4	37.6	43.9	50.2	56.5	62.7	69.0	75.3	87.8	100.3	PSI
	Max PSI at E=0.85	2.7	5.3	8.0	10.7	13.3	16.0	18.7	21.3	26.7	32.0	37.3	42.7	48.0	53.3	58.6	64.0	74.6	85.3	PSI
	Height	30.510	30.540	30.569	30.599	30.628	30.658	30.687	30.717	30.776	30.836	30.896	30.955	31.015	31.075	31.135	31.196	31.317	31.438	Inch
	Volume	272.75	272.14	271.52	270.91	270.29	269.68	269.07	268.46	267.24	266.03	264.82	263.62	262.42	261.23	260.04	258.86	256.51	254.17	ft^3
	Weight	550	1099	1652	2196	2744	3292	3839	4385	5477	6566	7654	8740	9824	10906	11986	13065	15216	17360	Lbs cs
186" 15' 6" diameter	Max PSI at E=1.00	3.0	6.1	9.1	12.1	15.2	18.2	21.3	24.3	30.4	36.4	42.5	48.6	54.6	60.7	66.8	72.8	85.0	97.1	PSI
	Max PSI at E=0.85	2.6	5.2	7.8	10.3	12.9	15.5	18.1	20.6	25.8	31.0	36.1	41.3	46.4	51.6	56.8	61.9	72.2	82.5	PSI
	Height	31.526	31.556	31.585	31.615	31.644	31.674	31.703	31.733	31.792	31.852	31.911	31.971	32.031	32.091	32.151	32.212	32.332	32.454	Inch
	Volume	301.0	300.3	299.6	299.0	298.3	297.7	297.0	296.4	295.1	293.8	292.5	291.2	289.9	288.7	287.4	286.1	283.6	281.1	ft^3
	Weight	587	1174	1764	2345	2930	3515	4099	4683	5849	7013	8174	9334	10492	11648	12803	13955	16254	18545	Lbs cs
192" 16' diameter	Max PSI at E=1.00	2.9	5.9	8.9	11.8	14.7	17.7	20.6	23.5	29.4	35.3	41.2	47.1	52.9	58.8	64.7	70.6	82.3	94.1	PSI
	Max PSI at E=0.85	2.5	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	70.0	79.9	PSI
	Height	32.542	32.572	32.601	32.631	32.660	32.690	32.719	32.749	32.808	32.868	32.927	32.987	33.047	33.107	33.167	33.227	33.348	33.469	Inch
	Volume	331.07	330.37	329.66	328.97	328.27	327.57	326.87	326.18	324.79	323.41	322.04	320.67	319.30	317.94	316.59	315.24	312.55	309.88	ft^3
	Weight	626	1251	1880	2499	3123	3746	4368	4990	6233	7473	8712	9948	11183	12415	13646	14874	17325	19769	Lbs cs
198" 16' 6" diameter	Max PSI at E=1.00	2.9	5.7	8.6	11.4	14.3	17.1	20.0	22.8	28.5	34.2	39.9	45.6	51.3	57.0	62.7	68.4	79.8	91.2	PSI
	Max PSI at E=0.85	2.4	4.9	7.3	9.7	12.1	14.5	17.0	19.4	24.2	29.1	33.9	38.8	43.6	48.5	53.3	58.2	67.8	77.5	PSI
	Height	33.558	33.588	33.617	33.647	33.676	33.706	33.735	33.765	33.824	33.884	33.943	34.003	34.063	34.123	34.183	34.243	34.364	34.485	Inch
	Volume	363.1	362.4	361.6	360.9	360.1	359.4	358.6	357.9	356.4	355.0	353.5	352.0	350.6	349.1	347.7	346.3	343.4	340.6	ft^3
	Weight	665	1330	2000	2658	3321	3984	4646	5308	6629	7949	9266	10582	11895	13207	14516	15823	18432	21032	Lbs cs