

S = 10000		Hemispherical Heads							© 2003 Pressure Vessel Engineering Ltd. www.pveng.com											
		ASME VIII-1 UG-32(f), 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
12"	Max PSI at E=1.00	210.1	423.7	642.8	862.1	1087	1316	1549	1786	2273	2778	3302	3846	4412	5000	5612	6250	7609	9091	PSI
	Max PSI at E=0.85	178.6	360.2	546.4	732.8	924	1118	1316	1518	1932	2361	2807	3269	3750	4250	4770	5313	6467	7727	PSI
	Max PSI at E=0.70	147.1	296.6	449.9	603.4	761	921	1084	1250	1591	1944	2311	2692	3088	3500	3929	4375	5326	6364	PSI
	Volume	0.25	0.25	0.24	0.23	0.22	0.22	0.21	0.20	0.19	0.18	0.16	0.15	0.14	0.13	0.12	0.11	0.09	0.08	ft^3
	Weight	4.0	7.9	11.7	10.7	13.4	16.0	18.7	21.4	26.7	32.1	37.4	42.8	48.1	53.5	58.8	64.2	74.8	86	Lbs cs
18"	Max PSI at E=1.00	139.7	280.9	424.9	568.2	714	862	1012	1163	1471	1786	2108	2439	2778	3125	3481	3846	4605	5405	PSI
	Max PSI at E=0.85	118.7	238.8	361.1	483.0	607	733	860	988	1250	1518	1792	2073	2361	2656	2959	3269	3914	4595	PSI
	Max PSI at E=0.70	97.8	196.6	297.4	397.7	500	603	708	814	1029	1250	1476	1707	1944	2188	2437	2692	3224	3784	PSI
	Volume	0.87	0.85	0.83	0.81	0.79	0.78	0.76	0.74	0.71	0.68	0.65	0.62	0.59	0.56	0.54	0.51	0.46	0.42	ft^3
	Weight	9.0	17.8	26.6	24.1	30.1	36.1	42.1	48.1	60.1	72.2	84.2	96.2	108.3	120.3	132.3	144.3	168.4	192	Lbs cs
24"	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=0.70	73.2	147.1	222.1	296.6	372	449	526	603	761	921	1084	1250	1419	1591	1766	1944	2311	2692	PSI
	Volume	2.06	2.03	2.00	1.97	1.93	1.90	1.87	1.84	1.78	1.73	1.67	1.61	1.56	1.51	1.45	1.40	1.31	1.21	ft^3
	Weight	16.0	31.7	47.5	42.8	53.5	64.2	74.8	85.5	106.9	128.3	149.7	171.1	192.5	213.8	235.2	256.6	299.4	342.1	Lbs cs
30"	Max PSI at E=1.00	83.6	167.8	253.2	337.8	424	510	597	685	862	1042	1224	1408	1596	1786	1978	2174	2574	2985	PSI
	Max PSI at E=0.85	71.1	142.6	215.2	287.2	360	434	508	582	733	885	1040	1197	1356	1518	1682	1848	2188	2537	PSI
	Max PSI at E=0.70	58.5	117.4	177.2	236.5	297	357	418	479	603	729	857	986	1117	1250	1385	1522	1801	2090	PSI
	Volume	4.04	3.99	3.94	3.89	3.84	3.79	3.74	3.70	3.60	3.51	3.42	3.33	3.24	3.15	3.07	2.98	2.82	2.66	ft^3
	Weight	25.0	49.7	74.4	66.8	83.5	100.2	116.9	133.6	167.1	200.5	233.9	267.3	300.7	334.1	367.5	400.9	467.8	534.6	Lbs cs
36"	Max PSI at E=1.00	69.6	139.7	210.6	280.9	352	424	496	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	360	421	483	607	733	860	988	1118	1250	1383	1518	1792	2073	PSI
	Max PSI at E=0.70	48.7	97.8	147.5	196.6	246	297	347	398	500	603	708	814	921	1029	1139	1250	1476	1707	PSI
	Volume	7.00	6.92	6.85	6.78	6.71	6.64	6.57	6.50	6.36	6.22	6.09	5.95	5.82	5.70	5.57	5.44	5.20	4.96	ft^3
	Weight	36.0	71.7	107.4	96.2	120.3	144.3	168.4	192.5	240.6	288.7	336.8	384.9	433.0	481.1	529.2	577.4	673.6	769.8	Lbs cs
42"	Max PSI at E=1.00	59.7	119.6	180.3	240.4	301	362	424	485	610	735	862	990	1119	1250	1382	1515	1786	2062	PSI
	Max PSI at E=0.85	50.7	101.7	153.3	204.3	256	308	360	413	518	625	733	842	951	1063	1175	1288	1518	1753	PSI
	Max PSI at E=0.70	41.8	83.7	126.2	168.3	211	254	297	340	427	515	603	693	784	875	967	1061	1250	1443	PSI
	Volume	11.12	11.03	10.93	10.83	10.73	10.63	10.54	10.44	10.25	10.06	9.88	9.70	9.52	9.34	9.16	8.99	8.65	8.31	ft^3
	Weight	49.0	97.6	146.4	131.0	163.7	196.5	229.2	262.0	327.4	392.9	458.4	523.9	589.4	654.9	720.4	785.9	916.8	1047.8	Lbs cs
48"	Max PSI at E=1.00	52.2	104.6	157.7	210.1	263	316	370	424	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	224	269	314	360	452	545	638	733	828	924	1021	1118	1316	1518	PSI
	Max PSI at E=0.70	36.5	73.2	110.4	147.1	184	222	259	297	372	449	526	603	682	761	841	921	1084	1250	PSI
	Volume	16.62	16.49	16.36	16.24	16.11	15.98	15.86	15.73	15.48	15.23	14.99	14.75	14.51	14.27	14.04	13.81	13.35	12.91	ft^3
	Weight	64.0	127.6	191.5	171.1	213.8	256.6	299.4	342.1	427.7	513.2	598.7	684.3	769.8	855.4	940.9	1026.4	1197.5	1368.6	Lbs cs
54"	Max PSI at E=1.00	46.4	92.9	140.0	186.6	234	281	328	376	472	568	665	763	862	962	1062	1163	1367	1575	PSI
	Max PSI at E=0.85	39.4	79.0	119.0	158.6	199	239	279	320	401	483	566	649	733	817	903	988	1162	1339	PSI
	Max PSI at E=0.70	32.5	65.1	98.0	130.6	164	197	230	263	330	398	466	534	603	673	743	814	957	1102	PSI
	Volume	23.69	23.53	23.36	23.20	23.04	22.88	22.72	22.56	22.24	21.92	21.61	21.30	21.00	20.69	20.39	20.10	19.51	18.94	ft^3
	Weight	81.0	161.6	242.5	216.5	270.6	324.8	378.9	433.0	541.3	649.5	757.8	866.0	974.3	1082.6	1190.8	1299.1	1515.6	1732.1	Lbs cs

S = 10000		Hemispherical Heads							© 2003 Pressure Vessel Engineering Ltd. www.pveng.com												
		ASME VIII-1 UG-32(f), 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"	Max PSI at E=1.00	41.7	83.6	126.0	167.8	210.1	252.5	295.1	337.8	423.7	510.2	597.3	684.9	773.2	862.1	951.6	1041.7	1223.8	1408.5	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	433.7	507.7	582.2	657.2	732.8	808.8	885.4	1040.2	1197.2	PSI	
	Max PSI at E=0.70	29.2	58.5	88.2	117.4	147.1	176.8	206.6	236.5	296.6	357.1	418.1	479.5	541.2	603.4	666.1	729.2	856.6	985.9	PSI	
	Volume	32.52	32.32	32.11	31.91	31.71	31.51	31.31	31.12	30.72	30.33	29.94	29.56	29.18	28.80	28.43	28.06	27.33	26.61	26.61	ft^3
	Weight	100.0	199.6	299.6	267.3	334.1	400.9	467.8	534.6	668.2	801.9	935.5	1069.2	1202.8	1336.5	1470.1	1603.8	1871.1	2138.4	2138.4	Lbs cs
66"	Max PSI at E=1.00	37.9	76.0	114.5	152.4	190.8	229.4	268.0	306.7	384.6	463.0	541.8	621.1	700.9	781.3	862.1	943.4	1107.6	1273.9	PSI	
	Max PSI at E=0.85	32.2	64.6	97.3	129.6	162.2	195.0	227.8	260.7	326.9	393.5	460.5	528.0	595.8	664.1	732.8	801.9	941.5	1082.8	PSI	
	Max PSI at E=0.70	26.6	53.2	80.1	106.7	133.6	160.6	187.6	214.7	269.2	324.1	379.3	434.8	490.7	546.9	603.4	660.4	775.3	891.7	PSI	
	Volume	43.31	43.06	42.82	42.57	42.33	42.09	41.85	41.61	41.13	40.65	40.18	39.72	39.25	38.79	38.34	37.88	36.99	36.11	36.11	ft^3
	Weight	121.1	241.7	362.8	323.4	404.3	485.1	566.0	646.9	808.6	970.3	1132.0	1293.7	1455.4	1617.1	1778.9	1940.6	2264.0	2587.4	2587.4	Lbs cs
72"	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	568.2	641.0	714.3	788.0	862.1	1011.6	1162.8	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	483.0	544.9	607.1	669.8	732.8	859.8	988.4	PSI	
	Max PSI at E=0.70	24.3	48.7	73.4	97.8	122.4	147.1	171.8	196.6	246.5	296.6	347.0	397.7	448.7	500.0	551.6	603.4	708.1	814.0	PSI	
	Volume	56.25	55.96	55.67	55.38	55.09	54.80	54.51	54.23	53.65	53.09	52.52	51.97	51.41	50.86	50.31	49.77	48.70	47.64	47.64	ft^3
	Weight	144.1	287.7	431.9	384.9	481.1	577.4	673.6	769.8	962.3	1154.7	1347.2	1539.6	1732.1	1924.5	2117.0	2309.4	2694.4	3079.3	3079.3	Lbs cs
78"	Max PSI at E=1.00	32.1	64.3	96.8	128.9	161.3	193.8	226.4	259.1	324.7	390.6	456.9	523.6	590.6	657.9	725.6	793.7	930.9	1069.5	PSI	
	Max PSI at E=0.85	27.3	54.6	82.3	109.5	137.1	164.7	192.4	220.2	276.0	332.0	388.4	445.0	502.0	559.2	616.8	674.6	791.2	909.1	PSI	
	Max PSI at E=0.70	22.5	45.0	67.7	90.2	112.9	135.7	158.5	181.3	227.3	273.4	319.8	366.5	413.4	460.5	507.9	555.6	651.6	748.7	PSI	
	Volume	71.55	71.21	70.86	70.52	70.18	69.84	69.50	69.17	68.50	67.83	67.17	66.51	65.85	65.20	64.56	63.92	62.65	61.39	61.39	ft^3
	Weight	169.1	337.7	507.1	451.7	564.7	677.6	790.5	903.5	1129.3	1355.2	1581.1	1806.9	2032.8	2258.7	2484.5	2710.4	3162.1	3613.9	3613.9	Lbs cs
84"	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	547.4	609.8	672.4	735.3	862.1	990.1	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	465.3	518.3	571.5	625.0	732.8	841.6	PSI	
	Max PSI at E=0.70	20.9	41.8	62.9	83.7	104.8	125.9	147.1	168.3	210.8	253.6	296.6	339.8	383.2	426.8	470.7	514.7	603.4	693.1	PSI	
	Volume	89.40	89.00	88.60	88.20	87.81	87.41	87.02	86.63	85.85	85.07	84.30	83.53	82.77	82.02	81.26	80.52	79.03	77.57	77.57	ft^3
	Weight	196.2	391.8	588.3	523.9	654.9	785.9	916.8	1047.8	1309.8	1571.7	1833.7	2095.6	2357.6	2619.5	2881.5	3143.4	3667.3	4191.2	4191.2	Lbs cs
90"	Max PSI at E=1.00	27.8	55.7	83.8	111.6	139.7	167.8	196.0	224.2	280.9	337.8	395.0	452.5	510.2	568.2	626.4	684.9	802.8	921.7	PSI	
	Max PSI at E=0.85	23.6	47.3	71.3	94.9	118.7	142.6	166.6	190.6	238.8	287.2	335.8	384.6	433.7	483.0	532.5	582.2	682.3	783.4	PSI	
	Max PSI at E=0.70	19.5	39.0	58.7	78.1	97.8	117.4	137.2	157.0	196.6	236.5	276.5	316.7	357.1	397.7	438.5	479.5	561.9	645.2	PSI	
	Volume	109.99	109.53	109.07	108.62	108.16	107.71	107.26	106.81	105.91	105.02	104.13	103.25	102.37	101.50	100.63	99.77	98.06	96.37	96.37	ft^3
	Weight	225.2	449.8	675.6	601.4	751.8	902.1	1052.5	1202.8	1503.5	1804.3	2105.0	2405.7	2706.4	3007.1	3307.8	3608.5	4209.9	4811.3	4811.3	Lbs cs
96"	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	531.9	586.4	641.0	751.1	862.1	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	452.1	498.4	544.9	638.4	732.8	PSI	
	Max PSI at E=0.70	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	372.3	410.4	448.7	525.8	603.4	PSI	
	Volume	133.52	133.00	132.47	131.96	131.44	130.92	130.41	129.90	128.87	127.86	126.84	125.84	124.84	123.84	122.85	121.86	119.91	117.97	117.97	ft^3
	Weight	256.3	511.9	768.8	684.3	855.4	1026.4	1197.5	1368.6	1710.7	2052.8	2395.0	2737.1	3079.3	3421.4	3763.5	4105.7	4790.0	5474.2	5474.2	Lbs cs
102"	Max PSI at E=1.00	24.5	49.1	73.9	98.4	123.2	147.9	172.8	197.6	247.5	297.6	347.9	398.4	449.1	500.0	551.1	602.4	705.6	809.7	PSI	
	Max PSI at E=0.85	20.9	41.7	62.9	83.7	104.7	125.7	146.8	168.0	210.4	253.0	295.7	338.6	381.7	425.0	468.4	512.0	599.8	688.3	PSI	
	Max PSI at E=0.70	17.2	34.4	51.8	68.9	86.2	103.6	120.9	138.3	173.3	208.3	243.5	278.9	314.4	350.0	385.8	421.7	494.0	566.8	PSI	
	Volume	160.19	159.60	159.01	158.42	157.84	157.26	156.68	156.10	154.94	153.79	152.64	151.50	150.37	149.24	148.12	147.00	144.79	142.59	142.59	ft^3
	Weight	289.3	577.9	868.2	772.5	965.6	1158.7	1351.9	1545.0	1931.2	2317.5	2703.7	3090.0	3476.2	3862.4	4248.7	4634.9	5407.4	6179.9	6179.9	Lbs cs

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

S = 10000		Hemispherical Heads								© 2003 Pressure Vessel Engineering Ltd. www.pveng.com										
		ASME VIII-1 UG-32(f), 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"	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	519.8	568.2	665.4	763.4	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	441.9	483.0	565.6	648.9	PSI
	Max PSI at E=0.70	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	363.9	397.7	465.8	534.4	PSI
	Volume	190.2	189.5	188.9	188.2	187.6	186.9	186.3	185.6	184.3	183.0	181.7	180.4	179.2	177.9	176.6	175.4	172.9	170.4	ft^3
	Weight	324	648	973	866	1083	1299	1516	1732	2165	2598	3031	3464	3897	4330	4763	5196	6062	6928	Lbs cs
114"	Max PSI at E=1.00	21.9	43.9	66.1	88.0	110.1	132.3	154.5	176.7	221.2	266.0	310.8	355.9	401.1	446.4	491.9	537.6	629.5	722.0	PSI
	Max PSI at E=0.85	18.7	37.3	56.2	74.8	93.6	112.4	131.3	150.2	188.1	226.1	264.2	302.5	340.9	379.5	418.2	457.0	535.1	613.7	PSI
	Max PSI at E=0.70	15.4	30.8	46.3	61.6	77.1	92.6	108.1	123.7	154.9	186.2	217.6	249.1	280.7	312.5	344.4	376.3	440.6	505.4	PSI
	Volume	223.7	223.0	222.2	221.5	220.8	220.1	219.3	218.6	217.2	215.7	214.3	212.9	211.4	210.0	208.6	207.2	204.4	201.7	ft^3
	Weight	361	722	1085	965	1206	1447	1689	1930	2412	2895	3377	3860	4342	4825	5307	5790	6755	7720	Lbs cs
120"	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	510.2	597.3	684.9	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	433.7	507.7	582.2	PSI
	Max PSI at E=0.70	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	357.1	418.1	479.5	PSI
	Volume	261.0	260.2	259.3	258.5	257.7	256.9	256.1	255.3	253.7	252.1	250.5	248.9	247.3	245.8	244.2	242.7	239.6	236.5	ft^3
	Weight	401	800	1202	1069	1336	1604	1871	2138	2673	3208	3742	4277	4811	5346	5881	6415	7484	8554	Lbs cs
126"	Max PSI at E=1.00	19.9	39.7	59.8	79.6	99.6	119.6	139.7	159.7	200.0	240.4	280.9	321.5	362.3	403.2	444.3	485.4	568.2	651.5	PSI
	Max PSI at E=0.85	16.9	33.8	50.9	67.7	84.7	101.7	118.7	135.8	170.0	204.3	238.8	273.3	308.0	342.7	377.6	412.6	483.0	553.7	PSI
	Max PSI at E=0.70	13.9	27.8	41.9	55.7	69.7	83.7	97.8	111.8	140.0	168.3	196.6	225.1	253.6	282.3	311.0	339.8	397.7	456.0	PSI
	Volume	302.16	301.27	300.36	299.47	298.58	297.69	296.80	295.91	294.13	292.37	290.61	288.86	287.12	285.38	283.65	281.93	278.51	275.11	ft^3
	Weight	442	882	1326	1179	1473	1768	2063	2358	2947	3536	4126	4715	5305	5894	6483	7073	8251	9430	Lbs cs
132"	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	541.8	621.1	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	460.5	528.0	PSI
	Max PSI at E=0.70	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	379.3	434.8	PSI
	Volume	347.5	346.5	345.5	344.5	343.5	342.5	341.6	340.6	338.6	336.7	334.8	332.9	330.9	329.0	327.1	325.2	321.5	317.7	ft^3
	Weight	485	968	1455	1294	1617	1941	2264	2587	3234	3881	4528	5175	5822	6469	7115	7762	9056	10350	Lbs cs
138"	Max PSI at E=1.00	18.1	36.3	54.6	72.7	90.9	109.2	127.5	145.8	182.5	219.3	256.2	293.3	330.4	367.6	405.0	442.5	517.8	593.5	PSI
	Max PSI at E=0.85	15.4	30.8	46.4	61.8	77.3	92.8	108.3	123.9	155.1	186.4	217.8	249.3	280.8	312.5	344.3	376.1	440.1	504.5	PSI
	Max PSI at E=0.70	12.7	25.4	38.2	50.9	63.6	76.4	89.2	102.0	127.7	153.5	179.4	205.3	231.3	257.4	283.5	309.7	362.4	415.4	PSI
	Volume	397.1	396.0	394.9	393.9	392.8	391.7	390.6	389.6	387.4	385.3	383.2	381.1	379.0	376.9	374.8	372.8	368.6	364.5	ft^3
	Weight	530	1059	1591	1414	1768	2121	2475	2828	3535	4242	4949	5656	6363	7070	7777	8484	9898	11312	Lbs cs
144"	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	568.2	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	483.0	PSI
	Max PSI at E=0.70	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	397.7	PSI
	Volume	451.2	450.0	448.9	447.7	446.5	445.4	444.2	443.0	440.7	438.4	436.1	433.8	431.5	429.2	427.0	424.7	420.2	415.7	ft^3
	Weight	577	1153	1732	1540	1925	2309	2694	3079	3849	4619	5389	6159	6928	7698	8468	9238	10777	12317	Lbs cs
150"	Max PSI at E=1.00	16.7	33.4	50.2	66.8	83.6	100.4	117.2	134.0	167.8	201.6	235.5	269.5	303.6	337.8	372.1	406.5	475.5	545.0	PSI
	Max PSI at E=0.85	14.2	28.4	42.7	56.8	71.1	85.3	99.6	113.9	142.6	171.4	200.2	229.1	258.1	287.2	316.3	345.5	404.2	463.2	PSI
	Max PSI at E=0.70	11.7	23.4	35.2	46.8	58.5	70.3	82.0	93.8	117.4	141.1	164.9	188.7	212.6	236.5	260.5	284.6	332.9	381.5	PSI
	Volume	510.0	508.8	507.5	506.2	505.0	503.7	502.4	501.2	498.6	496.1	493.6	491.1	488.7	486.2	483.7	481.3	476.4	471.5	ft^3
	Weight	626	1251	1880	1671	2088	2506	2924	3341	4177	5012	5847	6682	7518	8353	9188	10024	11694	13365	Lbs cs

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

S = 10000		Hemispherical Heads							© 2003 Pressure Vessel Engineering Ltd. www.pveng.com											
		ASME VIII-1 UG-32(f), 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"	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	523.6	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	445.0	PSI
	Max PSI at E=0.70	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	366.5	PSI
	Volume	573.8	572.4	571.0	569.7	568.3	566.9	565.5	564.2	561.5	558.7	556.0	553.3	550.6	548.0	545.3	542.6	537.3	532.1	ft^3
	Weight	677	1353	2033	1807	2259	2710	3162	3614	4517	5421	6324	7228	8131	9035	9938	10842	12649	14455	Lbs cs
162"	Max PSI at E=1.00	15.4	30.9	46.5	61.9	77.4	92.9	108.5	124.1	155.3	186.6	217.9	249.4	280.9	312.5	344.2	375.9	439.7	503.8	PSI
	Max PSI at E=0.85	13.1	26.3	39.5	52.6	65.8	79.0	92.2	105.5	132.0	158.6	185.2	212.0	238.8	265.6	292.6	319.5	373.7	428.2	PSI
	Max PSI at E=0.70	10.8	21.6	32.6	43.3	54.2	65.1	75.9	86.8	108.7	130.6	152.6	174.6	196.6	218.8	240.9	263.2	307.8	352.6	PSI
	Volume	642.6	641.1	639.7	638.2	636.7	635.2	633.7	632.3	629.3	626.4	623.5	620.6	617.7	614.8	611.9	609.0	603.3	597.6	ft^3
	Weight	730	1459	2193	1949	2436	2923	3410	3897	4871	5846	6820	7794	8769	9743	10717	11692	13640	15589	Lbs cs
168"	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=0.70	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
	Volume	716.8	715.2	713.6	712.0	710.4	708.8	707.2	705.6	702.5	699.3	696.2	693.0	689.9	686.8	683.7	680.6	674.4	668.3	ft^3
	Weight	785	1569	2359	2096	2620	3143	3667	4191	5239	6287	7335	8382	9430	10478	11526	12574	14669	16765	Lbs cs
174"	Max PSI at E=1.00	14.4	28.8	43.3	57.6	72.0	86.5	101.0	115.5	144.5	173.6	202.8	232.0	261.3	290.7	320.1	349.7	408.9	468.4	PSI
	Max PSI at E=0.85	12.2	24.5	36.8	49.0	61.2	73.5	85.8	98.2	122.8	147.6	172.4	197.2	222.1	247.1	272.1	297.2	347.5	398.1	PSI
	Max PSI at E=0.70	10.1	20.1	30.3	40.3	50.4	60.6	70.7	80.8	101.2	121.5	141.9	162.4	182.9	203.5	224.1	244.8	286.2	327.9	PSI
	Volume	796.4	794.7	793.0	791.3	789.6	787.9	786.1	784.4	781.1	777.7	774.3	770.9	767.6	764.2	760.9	757.6	750.9	744.3	ft^3
	Weight	842	1684	2530	2248	2810	3372	3934	4496	5620	6744	7868	8992	10116	11240	12364	13488	15736	17984	Lbs cs
180"	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=0.70	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
	Volume	881.7	879.9	878.0	876.2	874.4	872.6	870.8	868.9	865.3	861.7	858.1	854.4	850.9	847.3	843.7	840.1	833.0	826.0	ft^3
	Weight	902	1802	2708	2406	3007	3609	4210	4811	6014	7217	8420	9623	10826	12028	13231	14434	16840	19245	Lbs cs
186"	Max PSI at E=1.00	13.4	26.9	40.5	53.9	67.4	80.9	94.4	108.0	135.1	162.3	189.6	216.9	244.3	271.7	299.2	326.8	382.1	437.6	PSI
	Max PSI at E=0.85	11.4	22.9	34.4	45.8	57.3	68.8	80.3	91.8	114.9	138.0	161.2	184.4	207.7	231.0	254.4	277.8	324.8	372.0	PSI
	Max PSI at E=0.70	9.4	18.8	28.3	37.7	47.2	56.6	66.1	75.6	94.6	113.6	132.7	151.8	171.0	190.2	209.5	228.8	267.5	306.3	PSI
	Volume	972.9	971.0	969.0	967.1	965.1	963.2	961.2	959.3	955.4	951.5	947.6	943.8	940.0	936.1	932.3	928.5	920.9	913.4	ft^3
	Weight	963	1924	2892	2569	3211	3853	4495	5137	6422	7706	8991	10275	11559	12844	14128	15412	17981	20550	Lbs cs
192"	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=0.70	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
	Volume	1070.2	1068.1	1066.0	1064.0	1061.9	1059.8	1057.7	1055.7	1051.5	1047.4	1043.3	1039.2	1035.1	1031.0	1026.9	1022.8	1014.7	1006.7	ft^3
	Weight	1026	2050	3081	2737	3421	4106	4790	5474	6843	8211	9580	10948	12317	13686	15054	16423	19160	21897	Lbs cs
198"	Max PSI at E=1.00	12.6	25.3	38.0	50.6	63.3	76.0	88.7	101.4	126.9	152.4	178.0	203.7	229.4	255.1	280.9	306.7	358.6	410.7	PSI
	Max PSI at E=0.85	10.7	21.5	32.3	43.0	53.8	64.6	75.4	86.2	107.9	129.6	151.3	173.1	195.0	216.8	238.8	260.7	304.8	349.1	PSI
	Max PSI at E=0.70	8.8	17.7	26.6	35.4	44.3	53.2	62.1	71.0	88.8	106.7	124.6	142.6	160.6	178.6	196.6	214.7	251.0	287.5	PSI
	Volume	1173.8	1171.6	1169.3	1167.1	1164.9	1162.7	1160.5	1158.3	1153.9	1149.5	1145.1	1140.8	1136.4	1132.0	1127.7	1123.4	1114.8	1106.2	ft^3
	Weight	1091	2180	3277	2911	3639	4366	5094	5822	7277	8733	10188	11643	13099	14554	16010	17465	20376	23287	Lbs cs

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