

S = 12000		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	252.1	508.5	771.3	1034.5	1304	1579	1858	2143	2727	3333	3962	4615	5294	6000	6735	7500	9130	10909	PSI
	Max PSI at E=0.85	214.3	432.2	655.6	879.3	1109	1342	1580	1821	2318	2833	3368	3923	4500	5100	5724	6375	7761	9273	PSI
	Max PSI at E=0.70	176.5	355.9	539.9	724.1	913	1105	1301	1500	1909	2333	2774	3231	3706	4200	4714	5250	6391	7636	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	167.6	337.1	509.9	681.8	857	1034	1214	1395	1765	2143	2530	2927	3333	3750	4177	4615	5526	6486	PSI
	Max PSI at E=0.85	142.5	286.5	433.4	579.5	729	879	1032	1186	1500	1821	2151	2488	2833	3188	3551	3923	4697	5514	PSI
	Max PSI at E=0.70	117.3	236.0	356.9	477.3	600	724	850	977	1235	1500	1771	2049	2333	2625	2924	3231	3868	4541	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	125.5	252.1	380.8	508.5	638	769	901	1034	1304	1579	1858	2143	2432	2727	3028	3333	3962	4615	PSI
	Max PSI at E=0.85	106.7	214.3	323.7	432.2	543	654	766	879	1109	1342	1580	1821	2068	2318	2573	2833	3368	3923	PSI
	Max PSI at E=0.70	87.9	176.5	266.5	355.9	447	538	631	724	913	1105	1301	1500	1703	1909	2119	2333	2774	3231	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	100.3	201.3	303.8	405.4	508	612	717	822	1034	1250	1469	1690	1915	2143	2374	2609	3088	3582	PSI
	Max PSI at E=0.85	85.3	171.1	258.3	344.6	432	520	609	699	879	1063	1248	1437	1628	1821	2018	2217	2625	3045	PSI
	Max PSI at E=0.70	70.2	140.9	212.7	283.8	356	429	502	575	724	875	1028	1183	1340	1500	1662	1826	2162	2507	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	83.6	167.6	252.8	337.1	423	508	595	682	857	1034	1214	1395	1579	1765	1953	2143	2530	2927	PSI
	Max PSI at E=0.85	71.0	142.5	214.9	286.5	359	432	506	580	729	879	1032	1186	1342	1500	1660	1821	2151	2488	PSI
	Max PSI at E=0.70	58.5	117.3	176.9	236.0	296	356	416	477	600	724	850	977	1105	1235	1367	1500	1771	2049	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	71.6	143.5	216.4	288.5	361	435	508	583	732	882	1034	1188	1343	1500	1658	1818	2143	2474	PSI
	Max PSI at E=0.85	60.9	122.0	183.9	245.2	307	370	432	495	622	750	879	1010	1142	1275	1410	1545	1821	2103	PSI
	Max PSI at E=0.70	50.1	100.5	151.5	201.9	253	304	356	408	512	618	724	832	940	1050	1161	1273	1500	1732	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	62.6	125.5	189.2	252.1	316	380	444	508	638	769	901	1034	1169	1304	1441	1579	1858	2143	PSI
	Max PSI at E=0.85	53.2	106.7	160.8	214.3	268	323	377	432	543	654	766	879	994	1109	1225	1342	1580	1821	PSI
	Max PSI at E=0.70	43.8	87.9	132.4	176.5	221	266	311	356	447	538	631	724	818	913	1009	1105	1301	1500	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	55.7	111.5	168.0	223.9	280	337	394	451	566	682	798	916	1034	1154	1274	1395	1641	1890	PSI
	Max PSI at E=0.85	47.3	94.8	142.8	190.3	238	287	335	383	481	580	679	779	879	981	1083	1186	1395	1606	PSI
	Max PSI at E=0.70	39.0	78.1	117.6	156.7	196	236	276	316	396	477	559	641	724	808	892	977	1148	1323	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

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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
60"	Max PSI at E=1.00	50.1	100.3	151.2	201.3	252.1	303.0	354.1	405.4	508.5	612.2	716.7	821.9	927.8	1034.5	1141.9	1250.0	1468.5	1690.1	PSI
	Max PSI at E=0.85	42.6	85.3	128.5	171.1	214.3	257.6	301.0	344.6	432.2	520.4	609.2	698.6	788.7	879.3	970.6	1062.5	1248.3	1436.6	PSI
	Max PSI at E=0.70	35.1	70.2	105.8	140.9	176.5	212.1	247.9	283.8	355.9	428.6	501.7	575.3	649.5	724.1	799.3	875.0	1028.0	1183.1	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	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	Lbs cs
66"	Max PSI at E=1.00	45.5	91.2	137.4	182.9	229.0	275.2	321.6	368.1	461.5	555.6	650.2	745.3	841.1	937.5	1034.5	1132.1	1329.1	1528.7	PSI
	Max PSI at E=0.85	38.7	77.5	116.8	155.5	194.7	233.9	273.4	312.9	392.3	472.2	552.6	633.5	715.0	796.9	879.3	962.3	1129.7	1299.4	PSI
	Max PSI at E=0.70	31.9	63.8	96.1	128.0	160.3	192.7	225.1	257.7	323.1	388.9	455.1	521.7	588.8	656.3	724.1	792.5	930.4	1070.1	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	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	Lbs cs
72"	Max PSI at E=1.00	41.7	83.6	125.9	167.6	209.8	252.1	294.5	337.1	422.5	508.5	594.9	681.8	769.2	857.1	945.6	1034.5	1213.9	1395.3	PSI
	Max PSI at E=0.85	35.5	71.0	107.0	142.5	178.3	214.3	250.4	286.5	359.2	432.2	505.7	579.5	653.8	728.6	803.7	879.3	1031.8	1186.0	PSI
	Max PSI at E=0.70	29.2	58.5	88.1	117.3	146.9	176.5	206.2	236.0	295.8	355.9	416.4	477.3	538.5	600.0	661.9	724.1	849.7	976.7	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	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	Lbs cs
78"	Max PSI at E=1.00	38.5	77.1	116.1	154.6	193.5	232.6	271.7	310.9	389.6	468.8	548.3	628.3	708.7	789.5	870.7	952.4	1117.0	1283.4	PSI
	Max PSI at E=0.85	32.7	65.6	98.7	131.4	164.5	197.7	230.9	264.2	331.2	398.4	466.1	534.0	602.4	671.1	740.1	809.5	949.5	1090.9	PSI
	Max PSI at E=0.70	27.0	54.0	81.3	108.2	135.5	162.8	190.2	217.6	272.7	328.1	383.8	439.8	496.1	552.6	609.5	666.7	781.9	898.4	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	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	Lbs cs
84"	Max PSI at E=1.00	35.8	71.6	107.8	143.5	179.6	215.8	252.1	288.5	361.4	434.8	508.5	582.5	656.9	731.7	806.8	882.4	1034.5	1188.1	PSI
	Max PSI at E=0.85	30.4	60.9	91.6	122.0	152.7	183.5	214.3	245.2	307.2	369.6	432.2	495.1	558.4	622.0	685.8	750.0	879.3	1009.9	PSI
	Max PSI at E=0.70	25.0	50.1	75.5	100.5	125.7	151.1	176.5	201.9	253.0	304.3	355.9	407.8	459.9	512.2	564.8	617.6	724.1	831.7	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	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	Lbs cs
90"	Max PSI at E=1.00	33.4	66.8	100.6	133.9	167.6	201.3	235.2	269.1	337.1	405.4	474.0	543.0	612.2	681.8	751.7	821.9	963.3	1106.0	PSI
	Max PSI at E=0.85	28.4	56.8	85.5	113.8	142.5	171.1	199.9	228.7	286.5	344.6	402.9	461.5	520.4	579.5	639.0	698.6	818.8	940.1	PSI
	Max PSI at E=0.70	23.4	46.8	70.4	93.8	117.3	140.9	164.6	188.3	236.0	283.8	331.8	380.1	428.6	477.3	526.2	575.3	674.3	774.2	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	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	Lbs cs
96"	Max PSI at E=1.00	31.3	62.6	94.3	125.5	157.1	188.7	220.4	252.1	315.8	379.7	444.0	508.5	573.2	638.3	703.6	769.2	901.3	1034.5	PSI
	Max PSI at E=0.85	26.6	53.2	80.2	106.7	133.5	160.4	187.3	214.3	268.4	322.8	377.4	432.2	487.3	542.6	598.1	653.8	766.1	879.3	PSI
	Max PSI at E=0.70	21.9	43.8	66.0	87.9	109.9	132.1	154.2	176.5	221.1	265.8	310.8	355.9	401.3	446.8	492.5	538.5	630.9	724.1	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	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	Lbs cs
102"	Max PSI at E=1.00	29.4	58.9	88.7	118.1	147.8	177.5	207.3	237.2	297.0	357.1	417.5	478.1	538.9	600.0	661.3	722.9	846.8	971.7	PSI
	Max PSI at E=0.85	25.0	50.1	75.4	100.4	125.6	150.9	176.2	201.6	252.5	303.6	354.9	406.4	458.1	510.0	562.1	614.5	719.8	825.9	PSI
	Max PSI at E=0.70	20.6	41.3	62.1	82.7	103.4	124.3	145.1	166.0	207.9	250.0	292.2	334.7	377.2	420.0	462.9	506.0	592.7	680.2	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	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	Lbs 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
108"	Max PSI at E=1.00	27.8	55.7	83.8	111.5	139.5	167.6	195.7	223.9	280.4	337.1	394.0	451.1	508.5	566.0	623.8	681.8	798.5	916.0	PSI
	Max PSI at E=0.85	23.6	47.3	71.2	94.8	118.6	142.5	166.4	190.3	238.3	286.5	334.9	383.5	432.2	481.1	530.2	579.5	678.7	778.6	PSI
	Max PSI at E=0.70	19.5	39.0	58.7	78.1	97.7	117.3	137.0	156.7	196.3	236.0	275.8	315.8	355.9	396.2	436.7	477.3	558.9	641.2	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	26.3	52.7	79.4	105.6	132.2	158.7	185.3	212.0	265.5	319.1	373.0	427.0	481.3	535.7	590.3	645.2	755.4	866.4	PSI
	Max PSI at E=0.85	22.4	44.8	67.5	89.8	112.3	134.9	157.5	180.2	225.7	271.3	317.1	363.0	409.1	455.4	501.8	548.4	642.1	736.5	PSI
	Max PSI at E=0.70	18.4	36.9	55.6	73.9	92.5	111.1	129.7	148.4	185.8	223.4	261.1	298.9	336.9	375.0	413.2	451.6	528.8	606.5	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	25.0	50.1	75.4	100.3	125.5	150.8	176.0	201.3	252.1	303.0	354.1	405.4	456.9	508.5	560.3	612.2	716.7	821.9	PSI
	Max PSI at E=0.85	21.3	42.6	64.1	85.3	106.7	128.1	149.6	171.1	214.3	257.6	301.0	344.6	388.3	432.2	476.2	520.4	609.2	698.6	PSI
	Max PSI at E=0.70	17.5	35.1	52.8	70.2	87.9	105.5	123.2	140.9	176.5	212.1	247.9	283.8	319.8	355.9	392.2	428.6	501.7	575.3	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	23.8	47.7	71.8	95.5	119.5	143.5	167.6	191.7	240.0	288.5	337.1	385.9	434.8	483.9	533.1	582.5	681.8	781.8	PSI
	Max PSI at E=0.85	20.3	40.5	61.0	81.2	101.6	122.0	142.5	162.9	204.0	245.2	286.5	328.0	369.6	411.3	453.2	495.1	579.5	664.5	PSI
	Max PSI at E=0.70	16.7	33.4	50.3	66.9	83.7	100.5	117.3	134.2	168.0	201.9	236.0	270.1	304.3	338.7	373.2	407.8	477.3	547.2	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	22.7	45.5	68.5	91.2	114.1	137.0	159.9	182.9	229.0	275.2	321.6	368.1	414.7	461.5	508.5	555.6	650.2	745.3	PSI
	Max PSI at E=0.85	19.3	38.7	58.2	77.5	97.0	116.4	135.9	155.5	194.7	233.9	273.4	312.9	352.5	392.3	432.2	472.2	552.6	633.5	PSI
	Max PSI at E=0.70	15.9	31.9	48.0	63.8	79.8	95.9	112.0	128.0	160.3	192.7	225.1	257.7	290.3	323.1	355.9	388.9	455.1	521.7	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	21.8	43.5	65.5	87.2	109.1	131.0	152.9	174.9	219.0	263.2	307.5	351.9	396.5	441.2	486.0	531.0	621.3	712.2	PSI
	Max PSI at E=0.85	18.5	37.0	55.7	74.1	92.7	111.4	130.0	148.7	186.1	223.7	261.3	299.1	337.0	375.0	413.1	451.3	528.1	605.3	PSI
	Max PSI at E=0.70	15.2	30.5	45.9	61.0	76.4	91.7	107.1	122.4	153.3	184.2	215.2	246.3	277.5	308.8	340.2	371.7	434.9	498.5	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	20.8	41.7	62.8	83.6	104.5	125.5	146.5	167.6	209.8	252.1	294.5	337.1	379.7	422.5	465.4	508.5	594.9	681.8	PSI
	Max PSI at E=0.85	17.7	35.5	53.4	71.0	88.9	106.7	124.6	142.5	178.3	214.3	250.4	286.5	322.8	359.2	395.6	432.2	505.7	579.5	PSI
	Max PSI at E=0.70	14.6	29.2	44.0	58.5	73.2	87.9	102.6	117.3	146.9	176.5	206.2	236.0	265.8	295.8	325.8	355.9	416.4	477.3	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	20.0	40.1	60.3	80.2	100.3	120.5	140.7	160.9	201.3	241.9	282.6	323.5	364.4	405.4	446.5	487.8	570.7	654.0	PSI
	Max PSI at E=0.85	17.0	34.0	51.2	68.2	85.3	102.4	119.6	136.7	171.1	205.6	240.2	274.9	309.7	344.6	379.6	414.6	485.1	555.9	PSI
	Max PSI at E=0.70	14.0	28.0	42.2	56.1	70.2	84.3	98.5	112.6	140.9	169.4	197.8	226.4	255.1	283.8	312.6	341.5	399.5	457.8	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

S = 12000		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	19.2	38.5	58.0	77.1	96.5	115.8	135.2	154.6	193.5	232.6	271.7	310.9	350.2	389.6	429.1	468.8	548.3	628.3	PSI
	Max PSI at E=0.85	16.4	32.7	49.3	65.6	82.0	98.5	114.9	131.4	164.5	197.7	230.9	264.2	297.7	331.2	364.8	398.4	466.1	534.0	PSI
	Max PSI at E=0.70	13.5	27.0	40.6	54.0	67.5	81.1	94.7	108.2	135.5	162.8	190.2	217.6	245.1	272.7	300.4	328.1	383.8	439.8	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	18.5	37.1	55.8	74.3	92.9	111.5	130.2	148.9	186.3	223.9	261.5	299.3	337.1	375.0	413.0	451.1	527.6	604.5	PSI
	Max PSI at E=0.85	15.8	31.5	47.4	63.1	78.9	94.8	110.7	126.6	158.4	190.3	222.3	254.4	286.5	318.8	351.1	383.5	448.5	513.9	PSI
	Max PSI at E=0.70	13.0	26.0	39.1	52.0	65.0	78.1	91.1	104.2	130.4	156.7	183.1	209.5	236.0	262.5	289.1	315.8	369.3	423.2	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	17.9	35.8	53.8	71.6	89.6	107.5	125.5	143.5	179.6	215.8	252.1	288.5	324.9	361.4	398.1	434.8	508.5	582.5	PSI
	Max PSI at E=0.85	15.2	30.4	45.7	60.9	76.1	91.4	106.7	122.0	152.7	183.5	214.3	245.2	276.2	307.2	338.4	369.6	432.2	495.1	PSI
	Max PSI at E=0.70	12.5	25.0	37.7	50.1	62.7	75.3	87.9	100.5	125.7	151.1	176.5	201.9	227.4	253.0	278.6	304.3	355.9	407.8	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	17.3	34.5	52.0	69.1	86.5	103.8	121.2	138.6	173.4	208.3	243.3	278.4	313.6	348.8	384.2	419.6	490.7	562.1	PSI
	Max PSI at E=0.85	14.7	29.3	44.2	58.8	73.5	88.2	103.0	117.8	147.4	177.1	206.8	236.7	266.6	296.5	326.5	356.6	417.1	477.8	PSI
	Max PSI at E=0.70	12.1	24.2	36.4	48.4	60.5	72.7	84.8	97.0	121.4	145.8	170.3	194.9	219.5	244.2	268.9	293.7	343.5	393.4	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	16.7	33.4	50.2	66.8	83.6	100.3	117.1	133.9	167.6	201.3	235.2	269.1	303.0	337.1	371.2	405.4	474.0	543.0	PSI
	Max PSI at E=0.85	14.2	28.4	42.7	56.8	71.0	85.3	99.6	113.8	142.5	171.1	199.9	228.7	257.6	286.5	315.5	344.6	402.9	461.5	PSI
	Max PSI at E=0.70	11.7	23.4	35.2	46.8	58.5	70.2	82.0	93.8	117.3	140.9	164.6	188.3	212.1	236.0	259.8	283.8	331.8	380.1	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	16.1	32.3	48.6	64.7	80.9	97.1	113.3	129.6	162.2	194.8	227.5	260.3	293.2	326.1	359.1	392.2	458.5	525.2	PSI
	Max PSI at E=0.85	13.7	27.4	41.3	55.0	68.7	82.5	96.3	110.2	137.8	165.6	193.4	221.3	249.2	277.2	305.2	333.3	389.7	446.4	PSI
	Max PSI at E=0.70	11.3	22.6	34.0	45.3	56.6	68.0	79.3	90.7	113.5	136.4	159.3	182.2	205.2	228.3	251.4	274.5	321.0	367.6	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	15.6	31.3	47.1	62.6	78.3	94.0	109.8	125.5	157.1	188.7	220.4	252.1	283.9	315.8	347.7	379.7	444.0	508.5	PSI
	Max PSI at E=0.85	13.3	26.6	40.0	53.2	66.6	79.9	93.3	106.7	133.5	160.4	187.3	214.3	241.3	268.4	295.6	322.8	377.4	432.2	PSI
	Max PSI at E=0.70	10.9	21.9	33.0	43.8	54.8	65.8	76.8	87.9	109.9	132.1	154.2	176.5	198.7	221.1	243.4	265.8	310.8	355.9	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	15.2	30.3	45.6	60.7	75.9	91.2	106.4	121.7	152.3	182.9	213.6	244.4	275.2	306.1	337.1	368.1	430.3	492.8	PSI
	Max PSI at E=0.85	12.9	25.8	38.8	51.6	64.6	77.5	90.5	103.4	129.4	155.5	181.6	207.7	233.9	260.2	286.5	312.9	365.8	418.9	PSI
	Max PSI at E=0.70	10.6	21.2	32.0	42.5	53.2	63.8	74.5	85.2	106.6	128.0	149.5	171.1	192.7	214.3	236.0	257.7	301.2	345.0	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

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