

<b>S = 10000</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	89.1	178.0	267.5	355.5	443.9	532.3	620.4	708.4	884.0	1058.9	1233.2	1406.9	1579.9	1752.4	1924.3	2095.6	2436.3	2774.7	PSI			
	Max PSI at E=0.85	75.7	151.3	227.4	302.1	377.3	452.4	527.4	602.2	751.4	900.0	1048.2	1195.8	1343.0	1489.6	1635.6	1781.2	2070.9	2358.5	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	0.08	0.07	0.07	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	59.4	118.8	178.5	237.3	296.4	355.5	414.5	473.4	591.0	708.4	825.5	942.3	1058.9	1175.1	1291.1	1406.9	1637.5	1867.1	PSI			
	Max PSI at E=0.85	50.5	101.0	151.7	201.7	251.9	302.1	352.3	402.4	502.4	602.2	701.7	801.0	900.0	998.9	1097.5	1195.8	1391.9	1587.0	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	44.6	89.1	134.0	178.0	222.5	266.8	311.2	355.5	443.9	532.3	620.4	708.4	796.3	884.0	971.5	1058.9	1233.2	1406.9	PSI			
	Max PSI at E=0.85	37.9	75.7	113.9	151.3	189.1	226.8	264.5	302.1	377.3	452.4	527.4	602.2	676.8	751.4	825.8	900.0	1048.2	1195.8	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	35.7	71.3	107.2	142.5	178.0	213.6	249.1	284.6	355.5	426.3	496.9	567.5	638.0	708.4	778.7	848.9	989.0	1128.7	PSI			
	Max PSI at E=0.85	30.3	60.6	91.1	121.1	151.3	181.5	211.7	241.9	302.1	362.3	422.4	482.4	542.3	602.2	661.9	721.6	840.6	959.4	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	29.7	59.4	89.3	118.8	148.4	178.0	207.7	237.3	296.4	355.5	414.5	473.4	532.3	591.0	649.8	708.4	825.5	942.3	PSI			
	Max PSI at E=0.85	25.3	50.5	75.9	101.0	126.2	151.3	176.5	201.7	251.9	302.1	352.3	402.4	452.4	502.4	552.3	602.2	701.7	801.0	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	25.5	50.9	76.6	101.8	127.2	152.7	178.0	203.4	254.2	304.8	355.5	406.0	456.6	507.0	557.5	607.8	708.4	808.8	PSI			
	Max PSI at E=0.85	21.7	43.3	65.1	86.5	108.2	129.8	151.3	172.9	216.0	259.1	302.1	345.1	388.1	431.0	473.8	516.7	602.2	687.5	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	22.3	44.6	67.0	89.1	111.4	133.6	155.8	178.0	222.5	266.8	311.2	355.5	399.7	443.9	488.1	532.3	620.4	708.4	PSI			
	Max PSI at E=0.85	18.9	37.9	57.0	75.7	94.7	113.6	132.5	151.3	189.1	226.8	264.5	302.1	339.8	377.3	414.9	452.4	527.4	602.2	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	19.8	39.6	59.6	79.2	99.0	118.8	138.5	158.3	197.8	237.3	276.7	316.1	355.5	394.8	434.1	473.4	551.9	630.2	PSI			
	Max PSI at E=0.85	16.8	33.7	50.6	67.3	84.1	101.0	117.8	134.6	168.1	201.7	235.2	268.7	302.1	335.6	369.0	402.4	469.1	535.7	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			

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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	17.8	35.7	53.6	71.3	89.1	106.9	124.7	142.5	178.0	213.6	249.1	284.6	320.0	355.5	390.9	426.3	496.9	567.5	PSI	
	Max PSI at E=0.85	15.2	30.3	45.6	60.6	75.7	90.9	106.0	121.1	151.3	181.5	211.7	241.9	272.0	302.1	332.2	362.3	422.4	482.4	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	ft^3	
	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	16.2	32.4	48.8	64.8	81.0	97.2	113.4	129.6	161.9	194.2	226.5	258.8	291.0	323.3	355.5	387.7	452.0	516.2	PSI	
	Max PSI at E=0.85	13.8	27.6	41.4	55.1	68.9	82.6	96.4	110.1	137.6	165.1	192.5	220.0	247.4	274.8	302.1	329.5	384.2	438.8	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	ft^3	
	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	14.9	29.7	44.7	59.4	74.3	89.1	103.9	118.8	148.4	178.0	207.7	237.3	266.8	296.4	325.9	355.5	414.5	473.4	PSI	
	Max PSI at E=0.85	12.6	25.3	38.0	50.5	63.1	75.7	88.3	101.0	126.2	151.3	176.5	201.7	226.8	251.9	277.1	302.1	352.3	402.4	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	ft^3	
	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	13.7	27.4	41.3	54.9	68.6	82.3	96.0	109.6	137.0	164.4	191.7	219.0	246.4	273.7	300.9	328.2	382.7	437.1	PSI	
	Max PSI at E=0.85	11.7	23.3	35.1	46.6	58.3	69.9	81.6	93.2	116.5	139.7	163.0	186.2	209.4	232.6	255.8	279.0	325.3	371.6	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	ft^3	
	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	12.7	25.5	38.3	50.9	63.7	76.4	89.1	101.8	127.2	152.7	178.0	203.4	228.8	254.2	279.5	304.8	355.5	406.0	PSI	
	Max PSI at E=0.85	10.8	21.7	32.6	43.3	54.1	64.9	75.7	86.5	108.2	129.8	151.3	172.9	194.5	216.0	237.6	259.1	302.1	345.1	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	ft^3	
	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	11.9	23.8	35.8	47.5	59.4	71.3	83.2	95.0	118.8	142.5	166.2	189.9	213.6	237.3	260.9	284.6	331.8	379.1	PSI	
	Max PSI at E=0.85	10.1	20.2	30.4	40.4	50.5	60.6	70.7	80.8	101.0	121.1	141.3	161.4	181.5	201.7	221.8	241.9	282.1	322.2	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	ft^3	
	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	11.1	22.3	33.5	44.6	55.7	66.8	78.0	89.1	111.4	133.6	155.8	178.0	200.3	222.5	244.7	266.8	311.2	355.5	PSI	
	Max PSI at E=0.85	9.5	18.9	28.5	37.9	47.4	56.8	66.3	75.7	94.7	113.6	132.5	151.3	170.2	189.1	208.0	226.8	264.5	302.1	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	ft^3	
	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	10.5	21.0	31.6	42.0	52.4	62.9	73.4	83.9	104.8	125.7	146.7	167.6	188.5	209.4	230.3	251.2	292.9	334.6	PSI	
	Max PSI at E=0.85	8.9	17.8	26.8	35.7	44.6	53.5	62.4	71.3	89.1	106.9	124.7	142.5	160.2	178.0	195.8	213.5	249.0	284.4	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	ft^3	
	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	

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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		
<b>108"</b> 9' diameter	Max PSI at E=1.00	9.9	19.8	29.8	39.6	49.5	59.4	69.3	79.2	99.0	118.8	138.5	158.3	178.0	197.8	217.5	237.3	276.7	316.1	PSI		
	Max PSI at E=0.85	8.4	16.8	25.3	33.7	42.1	50.5	58.9	67.3	84.1	101.0	117.8	134.6	151.3	168.1	184.9	201.7	235.2	268.7	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	9.4	18.8	28.2	37.5	46.9	56.3	65.7	75.0	93.8	112.5	131.3	150.0	168.7	187.4	206.1	224.8	262.2	299.5	PSI		
	Max PSI at E=0.85	8.0	16.0	24.0	31.9	39.9	47.9	55.8	63.8	79.7	95.6	111.6	127.5	143.4	159.3	175.2	191.1	222.8	254.6	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	8.9	17.8	26.8	35.7	44.6	53.5	62.4	71.3	89.1	106.9	124.7	142.5	160.3	178.0	195.8	213.6	249.1	284.6	PSI		
	Max PSI at E=0.85	7.6	15.2	22.8	30.3	37.9	45.5	53.0	60.6	75.7	90.9	106.0	121.1	136.2	151.3	166.4	181.5	211.7	241.9	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	8.5	17.0	25.5	34.0	42.5	50.9	59.4	67.9	84.9	101.8	118.8	135.7	152.7	169.6	186.5	203.4	237.3	271.1	PSI		
	Max PSI at E=0.85	7.2	14.4	21.7	28.9	36.1	43.3	50.5	57.7	72.1	86.5	101.0	115.4	129.8	144.1	158.5	172.9	201.7	230.4	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	8.1	16.2	24.4	32.4	40.5	48.6	56.7	64.8	81.0	97.2	113.4	129.6	145.7	161.9	178.0	194.2	226.5	258.8	PSI		
	Max PSI at E=0.85	6.9	13.8	20.7	27.6	34.4	41.3	48.2	55.1	68.9	82.6	96.4	110.1	123.9	137.6	151.3	165.1	192.5	220.0	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	7.8	15.5	23.3	31.0	38.8	46.5	54.3	62.0	77.5	93.0	108.5	123.9	139.4	154.9	170.3	185.8	216.7	247.5	PSI		
	Max PSI at E=0.85	6.6	13.2	19.8	26.4	32.9	39.5	46.1	52.7	65.9	79.0	92.2	105.3	118.5	131.6	144.8	157.9	184.2	210.4	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	7.4	14.9	22.4	29.7	37.1	44.6	52.0	59.4	74.3	89.1	103.9	118.8	133.6	148.4	163.2	178.0	207.7	237.3	PSI		
	Max PSI at E=0.85	6.3	12.6	19.0	25.3	31.6	37.9	44.2	50.5	63.1	75.7	88.3	101.0	113.6	126.2	138.8	151.3	176.5	201.7	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	7.1	14.3	21.5	28.5	35.7	42.8	49.9	57.0	71.3	85.5	99.8	114.0	128.3	142.5	156.7	170.9	199.4	227.8	PSI		
	Max PSI at E=0.85	6.1	12.1	18.2	24.3	30.3	36.4	42.4	48.5	60.6	72.7	84.8	96.9	109.0	121.1	133.2	145.3	169.5	193.6	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		

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<b>S = 10000</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	6.9	13.7	20.6	27.4	34.3	41.1	48.0	54.9	68.6	82.3	96.0	109.6	123.3	137.0	150.7	164.4	191.7	219.0	PSI					
	Max PSI at E=0.85	5.8	11.7	17.5	23.3	29.1	35.0	40.8	46.6	58.3	69.9	81.6	93.2	104.8	116.5	128.1	139.7	163.0	186.2	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	6.6	13.2	19.9	26.4	33.0	39.6	46.2	52.8	66.0	79.2	92.4	105.6	118.8	131.9	145.1	158.3	184.6	211.0	PSI					
	Max PSI at E=0.85	5.6	11.2	16.9	22.5	28.1	33.7	39.3	44.9	56.1	67.3	78.5	89.7	101.0	112.2	123.4	134.6	156.9	179.3	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	6.4	12.7	19.2	25.5	31.8	38.2	44.6	50.9	63.7	76.4	89.1	101.8	114.5	127.2	139.9	152.7	178.0	203.4	PSI					
	Max PSI at E=0.85	5.4	10.8	16.3	21.7	27.1	32.5	37.9	43.3	54.1	64.9	75.7	86.5	97.4	108.2	119.0	129.8	151.3	172.9	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	6.2	12.3	18.5	24.6	30.7	36.9	43.0	49.2	61.5	73.8	86.0	98.3	110.6	122.9	135.1	147.4	171.9	196.4	PSI					
	Max PSI at E=0.85	5.2	10.5	15.7	20.9	26.1	31.4	36.6	41.8	52.2	62.7	73.1	83.6	94.0	104.4	114.9	125.3	146.1	167.0	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	5.9	11.9	17.9	23.8	29.7	35.7	41.6	47.5	59.4	71.3	83.2	95.0	106.9	118.8	130.6	142.5	166.2	189.9	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	80.8	90.9	101.0	111.0	121.1	141.3	161.4	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	5.8	11.5	17.3	23.0	28.8	34.5	40.3	46.0	57.5	69.0	80.5	92.0	103.5	114.9	126.4	137.9	160.8	183.8	PSI					
	Max PSI at E=0.85	4.9	9.8	14.7	19.6	24.4	29.3	34.2	39.1	48.9	58.6	68.4	78.2	87.9	97.7	107.5	117.2	136.7	156.2	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	5.6	11.1	16.8	22.3	27.9	33.4	39.0	44.6	55.7	66.8	78.0	89.1	100.2	111.4	122.5	133.6	155.8	178.0	PSI					
	Max PSI at E=0.85	4.7	9.5	14.2	18.9	23.7	28.4	33.2	37.9	47.4	56.8	66.3	75.7	85.2	94.7	104.1	113.6	132.5	151.3	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	5.4	10.8	16.3	21.6	27.0	32.4	37.8	43.2	54.0	64.8	75.6	86.4	97.2	108.0	118.8	129.6	151.1	172.7	PSI					
	Max PSI at E=0.85	4.6	9.2	13.8	18.4	23.0	27.6	32.1	36.7	45.9	55.1	64.3	73.4	82.6	91.8	101.0	110.1	128.4	146.8	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					

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