

ACRO Trailer Company  
 2320 N. Packer Rd.  
 Springfield, MO 65803  
 Ph: 417-762-1758

For Serial Number(s): 6298  
 Nominal Capacity: 4,000 Gallons  
 Internal Diameter: 50.000 in  
 Seam to Seam: 461.50 in

This is a Theoretical Calibration Chart and is not Intended for, or Legal for, the Selling or Purchasing of Product by.

Inches	Gallons	Inches	Gallons	Inches	Gallons	Inches	Gallons	Inches	Gallons
.25	2	12.25	762	24.25	1,937	36.25	3,131	48.25	3,984
.50	7	12.50	784	24.50	1,962	36.50	3,154	48.50	3,993
.75	12	12.75	806	24.75	1,988	36.75	3,176	48.75	4,001
1.00	19	13.00	829	25.00	2,014	37.00	3,199	49.00	4,009
1.25	26	13.25	851	25.25	2,039	37.25	3,221	49.25	4,015
1.50	35	13.50	874	25.50	2,065	37.50	3,244	49.50	4,021
1.75	44	13.75	897	25.75	2,091	37.75	3,266	49.75	4,025
2.00	53	14.00	920	26.00	2,117	38.00	3,288	50.00	4,027
2.25	63	14.25	943	26.25	2,142	38.25	3,309		
2.50	74	14.50	966	26.50	2,168	38.50	3,331		
2.75	86	14.75	990	26.75	2,194	38.75	3,353		
3.00	97	15.00	1,013	27.00	2,219	39.00	3,374		
3.25	110	15.25	1,037	27.25	2,245	39.25	3,395		
3.50	122	15.50	1,060	27.50	2,271	39.50	3,416		
3.75	136	15.75	1,084	27.75	2,296	39.75	3,437		
4.00	149	16.00	1,108	28.00	2,322	40.00	3,457		
4.25	163	16.25	1,132	28.25	2,347	40.25	3,478		
4.50	178	16.50	1,156	28.50	2,373	40.50	3,498		
4.75	192	16.75	1,180	28.75	2,398	40.75	3,518		
5.00	207	17.00	1,205	29.00	2,424	41.00	3,538		
5.25	223	17.25	1,229	29.25	2,449	41.25	3,557		
5.50	239	17.50	1,254	29.50	2,474	41.50	3,577		
5.75	255	17.75	1,278	29.75	2,500	41.75	3,596		
6.00	271	18.00	1,303	30.00	2,525	42.00	3,615		
6.25	288	18.25	1,328	30.25	2,550	42.25	3,633		
6.50	305	18.50	1,352	30.50	2,575	42.50	3,652		
6.75	322	18.75	1,377	30.75	2,600	42.75	3,670		
7.00	340	19.00	1,402	31.00	2,625	43.00	3,688		
7.25	358	19.25	1,427	31.25	2,650	43.25	3,705		
7.50	376	19.50	1,452	31.50	2,675	43.50	3,722		
7.75	394	19.75	1,477	31.75	2,700	43.75	3,739		
8.00	413	20.00	1,502	32.00	2,725	44.00	3,756		
8.25	432	20.25	1,528	32.25	2,749	44.25	3,773		
8.50	451	20.50	1,553	32.50	2,774	44.50	3,789		
8.75	470	20.75	1,578	32.75	2,798	44.75	3,805		
9.00	490	21.00	1,604	33.00	2,823	45.00	3,820		
9.25	509	21.25	1,629	33.25	2,847	45.25	3,835		
9.50	529	21.50	1,655	33.50	2,871	45.50	3,850		
9.75	550	21.75	1,680	33.75	2,895	45.75	3,864		
10.00	570	22.00	1,706	34.00	2,919	46.00	3,878		
10.25	591	22.25	1,731	34.25	2,943	46.25	3,892		
10.50	611	22.50	1,757	34.50	2,967	46.50	3,905		
10.75	632	22.75	1,782	34.75	2,991	46.75	3,918		
11.00	654	23.00	1,808	35.00	3,014	47.00	3,930		
11.25	675	23.25	1,834	35.25	3,038	47.25	3,942		
11.50	696	23.50	1,859	35.50	3,061	47.50	3,953		
11.75	718	23.75	1,885	35.75	3,085	47.75	3,964		
12.00	740	24.00	1,911	36.00	3,108	48.00	3,974		

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<b>PROJECT DESCRIPTION:</b>	Straight Round Calibration Chart
<b>DESIGNER:</b>	CF
<b>DATE:</b>	5/18/10
<b>CHECKED BY:</b>	CF

<b>Tank Type:</b>	Straight	<b>Head Type:</b>	Select Head Type
<b>Internal Diameter</b>	50.000 in	<b>Tangent to Tangent Length:</b>	463.50 in
<b>Seam to Seam:</b>	461.50 in	<b>Calculated Shell GPI:</b>	8.50 Gal/in
<b>Straight Flange:</b>	1.00 in	<b>Shell Volume:</b>	3,940 Gallons
<b>Dish Radius of Head:</b>	50.000 in	<b>Head Volume:</b>	44 Gallons
<b>Knuckle Radius of Head:</b>	3.00 in	<b>Total Volume:</b>	4,028 Gallons
<b>Nominal Capacity:</b>	4,000 Gallons	<b>Surface Area for Heads:</b>	28 SQFT
<b>Unit Numbers:</b>	6298	<b>Shell Surface Area:</b>	506 SQFT
		<b>Total Surface Area:</b>	534 SQFT
		<b>Percent Overage:</b>	.70 %

