

## PRODUCT DATA SHEET

October, 2002

## 4000 GALLON POLY TANK

(Original Style and Total Drain)

### GENERAL INFORMATION

Poly tanks are manufactured by Poly Processing Company. They are not to be used for food applications. Potable water applications are generally not acceptable and must be reviewed by the Corporate office first for approval.

### WEIGHTS AND MEASURES

➤ <b>Capacity:</b>	.....	4000 gallons (nominal)
➤ <b>Height:</b>	.....	12'-0" (nominal)
➤ <b>Diameter:</b>	.....	8'-0" (nominal)
➤ <b>Weight*:</b>	.....	Tank: 1450 lbs. – 1550 lbs. Pad: 320 lbs.

### STRUCTURAL DESIGN

➤ <b>Tank Material:</b>	.....	High Density Polyethylene
➤ <b>Tensile Strength:</b>	.....	2,600 psi (at yield)
➤ <b>Design Pressure:</b>	.....	0 psi – vented to atmosphere
➤ <b>Design Vacuum:</b>	.....	0 psi – vented to atmosphere

### RESTRICTIONS

➤ <b>Sulfuric Acid Storage:</b>	.....	<ul style="list-style-type: none"> <li>• 80% concentration maximum</li> <li>• Use only tanks with equipment numbers Δ 4275</li> <li>• Previously repaired tank cannot be used (equipment number should have "W" at end)</li> <li>• 100° F maximum temperature</li> <li>• Top fill only</li> <li>• Top manway must be open during pneumatic filling of tank</li> <li>• Use flexible plumbing fixtures resistant to sulfuric acid</li> </ul>
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\*Varies with origin of manufacture

### ACCESSORIES

➤ <b>Top Vent:</b>	.....	2" PVC U-vent (two threaded street elbows)
➤ <b>Manway:</b>	.....	Top mounted with 24" opening (34" diameter screw-on cover)
➤ <b>Valves:</b>	.....	3" Spears butterfly valve with PVC body and disc, Viton O-Ring seal and 316 SS stem. Note: Some tanks may have ASAHI valves.
➤ <b>Ladder:</b>	.....	Top mounted bracket for ladder hook-up. Ladder is not permanently mounted to tank.
➤ <b>Piping Connections:</b>	.....	Inlet – 3" with butterfly valve Outlet – 3" with butterfly valve Top – 4" PVC adapter and PVC cap

### MISCELLANEOUS

➤ <b>Color:</b>	.....	Black (there are a few in the fleet that are Amber)
➤ <b>Temp. Limit:</b>	.....	150° F
➤ <b>Spec. Gravity Limit:</b>	.....	Original Style – 1.65 Total Drain – 1.9
➤ <b>Certification:</b>	.....	ASTM D1998 (not UL listed)
➤ <b>Decals:</b>	.....	2-DCLC: Property of Baker Tanks ... 1-DCLD02: Danger – Do Not Enter... 1-DCLH01: Notice - 150°F Max. Temp... 1-DCLPOLY1: Valve Bolts...25 Ft. Lbs... 1-DCLW03: Warning – Do Not Move/Lift <u>Note:</u> Poly tanks repaired due to leaks are derated for water use only. "W" is added to end of equipment number, and Decal DCLW12 ("Water Service Only") is applied to tank.
➤ <b>Options:</b>	.....	Secondary containment berm