



# Chemical Storage Tank

## 440 BBL – ACID SERVICE

### PRODUCT DESCRIPTION

Chemical storage tank that is capable of holding acids and bases from pH 0 to 14. The tank is 1.25 inch thick Polyethylene vessel with 440 bbl.'s capacity. The tank is housed inside a steel housing providing resistance to the rigors of work site activity.

### Benefits

Material properties are completely compatible with highly corrosive products such as concentrated acids or bases. Leak free rest assured. Impact resistant | UV resistant | Weatherability | Recyclable

### PRODUCT SPECIFICATIONS

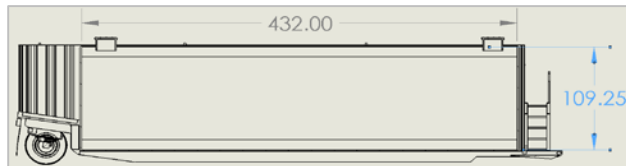
<b>Tank Material</b>	Polyethylene
<b>Tank well thickness</b>	1.25" on sides 1.75" bulkheads.
<b>Tank Housing</b>	Steel
<b>Footprint</b>	45' x 8'6"
<b>Inlet / Outlets</b>	3 x 4" 150# Flange connection
<b>Manway</b>	2 x 20" roof access for service work
<b>Level indication</b>	Front indicator
<b>Temperature</b>	Up to 180°F



# Chemical Compatibility Table

The storage tank is compatible with a long list of chemicals in high concentrations please refer to the list below for details or contact DHI if you have any questions.

Chemical Name	Resistance Level		Chemical Name	Resistance Level	
	20oC(68F)	60oC(140F)		20oC(68F)	60oC(140F)
Acetaldehyde	R	R	Carbon disulphide	R	NR
Acetic acid (10%)	R	R	Carbonic acid	R	R
Acetic acid (glac./anh.)	R	R	Carbon tetrachloride	NR	NR
Acetic anhydride	R	R	Caustic soda & potash	R	R
Acetone	R	R	Cellulose paint	R	R
Other ketones	R	R	Chlorates of Na, K, Ba	R	R
Acetonitrile	R	R	Chlorine, dry	LR	NR
Acetylene	R	R	Chlorine, wet	LR	NR
Acid fumes	R	R	Chlorides of Na, K, Ba	R	R
Alcohols	R	R	Chloroacetic acid	R	R
Aliphatic esters	R	R	Chlorobenzene	NR	NR
Alkyl chlorides	R	R	Chloroform	NR	NR
Alum	R	R	Chlorosulphonic acid	NR	NR
Aluminium chloride	R	R	Chromic acid (80%)	R	NR
Aluminium sulphate	R	R	Citric acid	R	R
Ammonia, anhydrous	R	R	Copper salts (most)	R	R
Ammonia, aqueous	R	R	Cresylic acids (50%)	R	R
Ammonium chloride	R	R	Cyclohexane	NR	NR
Amyl acetate	R	R	Detergents, synthetic	R	R
Aniline	R	R	Emulsifiers, concentrated	R	R
Aromatic solvents	R	NR	Esters	ND	ND
Ascorbic acid	R	R	Ether	R	R
Beer	R	R	Fatty acids (>C6)	R	R
Benzaldehyde	R	NR	Ferric chloride	R	R
Benzoic acid	R	R	Ferrous sulphate	R	R
Boric acid	R	R	Fluorinated refrigerants	R	NR
Brines, saturated	R	R	Fluorine, dry	NR	NR
Bromide (K) solution	R	R	Fluorine, wet	NR	NR
Butyl acetate	R	LR	Fluorosilic acid	R	R
Calcium chloride	R	R	Formaldehyde (40%)	R	R



Chemical Name	Resistance Level		Chemical Name	Resistance Level	
	20oC(68F)	60oC(140F)		20oC(68F)	60oC(140F)
Formic acid	R	R	Mercuric chloride	R	R
Fruit juices	R	R	Mercury	R	R
Gelatine	R	R	Methanol	R	NR
Glycerine	R	R	Methylene chloride	LR	NR
Glycols	R	R	Milk products	R	R
Glycol, ethylene	R	R	Moist air	R	R
Glycolic acid	R	R	Molasses	R	R
Hexamethylene diamine	R	R	Monoethanolamine	ND	ND
Hexamine	R	R	Naphtha	NR	NR
Hydrazine	R	R	Napthalene	R	ND
Hydrobromic acid (50%)	R	R	Nickel salts	R	R
Hydrochloric acid (10%)	R	R	Nitrates of Na, K and NH3	R	R
Hydrochloric acid (conc.)	R	R	Nitric acid (<25%)	R	R
Hydrocyanic acid	R	R	Nitric acid (50%)	R	NR
Hydrofluoric acid (40%)	R	R	Nitric acid (90%)	NR	NR
Hydrofluoric acid (75%)	R	R	Nitric acid (fuming)	NR	NR
Hydrogen peroxide (30%)	R	R	Nitrite (Na)	R	R
Hydrogen peroxide (30 - 90%)	R	NR	Nitrobenzene	NR	NR
Hydrogen sulphide	R	R	Oils, diesel	R	NR
Hypochlorites	R	R	Oils, essential	R	NR
Hypochlorites (Na 12-14%)	R	R	Oils, lubricating + aromatic additives	R	R
Iso-butyl-acetate	ND	ND	Oils, mineral	R	R
Lactic acid (90%)	R	R	Oils, vegetable and animal	R	NR
Lead acetate	R	R	Oxalic acid	R	R
Lead perchlorate	ND	ND	Ozone	R	LR
Lime (CaO)	R	R	Paraffin wax	R	R
Maleic acid	R	R	Perchloric acid	R	R
Manganate, potassium (K)	R	R	Petroleum spirits	R	R
Meat juices	R	R	Phenol	R	R
Phosphoric acid (50%)	R	R	Phosphoric acid (20%)	R	R

Chemical Name	Resistance Level		Chemical Name	Resistance Level	
	20oC(68F)	60oC(140F)		20oC(68F)	60oC(140F)
Phosphoric acid (95%)	R	R	Tartaric acid	R	R
Phosphorous chlorides	NR	NR	Trichlorethylene	R	NR
Phosphorous pentoxide	R	R	Urea (30%)	R	R
Phthalic acid	R	R	Vinegar	R	R
Picric acid	R	R	Water, distilled.	R	R
Pyridine	R	R	Water, soft	R	R
Salicyl aldehyde	R	R	Water, hard	R	R
Sea water	R	R	Urea (30%)	R	R
Silicic acid	R	R	Wetting agents (<5%)	R	R
Silicone fluids	R	R	Yeast	R	R
Silver nitrate	R	R	Zinc chloride	R	R
Sodium carbonate	R	R			
Sodium peroxide	R	ND			
Sodium silicate	R	R			
Sodium sulphide	R	R			
Stannic chloride	R	R			
Starch	R	R			
Sugar, syrups & jams	R	R			
Sulphamic acid	ND	ND			
Sulphates (Na, K, Mg, Ca)	R	R			
Sulphites	R	R			
Sulphonic acids	ND	ND			
Sulphur	R	NR			
Sulphur dioxide, dry	R	R			
Sulphur dioxide, wet	R	R			
Sulphur dioxide (96%)	R	R			
Sulphur trioxide	NR	NR			
Sulphuric acid (<50%)	R	R			
Sulphuric acid (70%)	R	R			
Sulphuric acid (95%)	R	R			
Sulphuric acid, fuming	R	NR			
Sulphur chlorides	ND	ND			
Tallow	R	ND			
Tannic acid (10%)	R	R			

**R = Resistant**  
**LR = Limited Resistant**  
**NR = Not Recommended**  
**ND = No Data**