

# ACID STORAGE TANKS



## DESCRIPTION

The DHI portable acid storage tank is designed to be easily portable on a skid that safely protects the tank's integrity. The tank is comprised of a single piece of high-density polyethylene (HDPE) nested in a steel frame that provides protection against the rigors of portable service needs.

## APPLICATIONS

- Corrosive chemical storage
- Acid storage, such as hydrochloric acid and sulfuric acid
- Oil well acidizing: utilizes HCl concentrations of around 15% solution in water

## BENEFITS

- Holds high concentrate acid for extended time periods without the risk of deterioration
- Mixes acid to required dilution without concern
- Small footprint on location
- Bolted one-piece fittings connect to the tank with a single gasket, greatly minimizing the potential for leaks

## FEATURES

- Level gauge
- Fill line in polypropylene
- Mounted on a portable skid for easy transport
- All wetted components are comprised of HDPE or acid-tolerant material
- HDPE tank nested inside a steel support structure for robust protection

## SPECIFICATIONS

Capacity.....	400 bbl/16,500 gallons
Tank Material Construction.....	HDPE
Shell Material.....	Steel
Internal Diameter.....	141"
Internal Height.....	246"
Volume Capacity.....	396 bbl
Footprint.....	12' x 12' 8"
Transport Dimensions.....	L 22' x W 12' x H 12' 8"
Transport Weight (Dry).....	13,500 lb.
Connections.....	4" ANSI flange PVC composite
Sight Glass (Optional).....	2" acid-resistant, full length
Automated Valves.....	Optional as needed

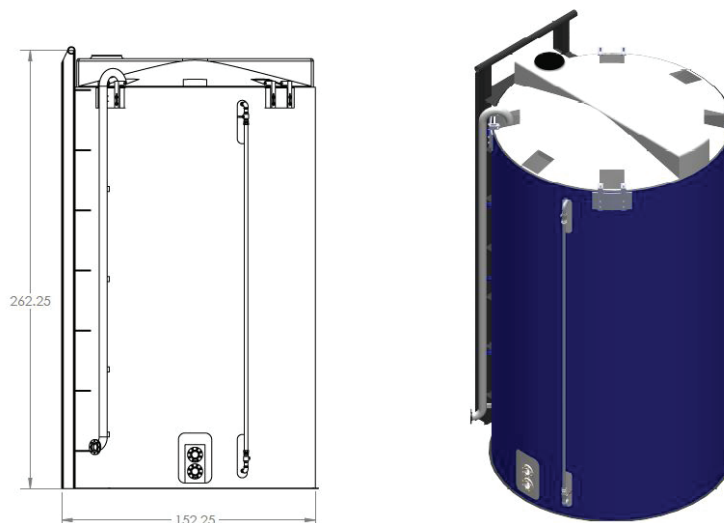


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## CHEMICAL COMPATIBILITY

Chemical Storage	Concentration	Tank Material	Components	Seals
Acetic Acid	80%	HDLPE	PP	EPDM
Acrylic Emulsions	50%	XLPE	PVC	EPDM
Calcium Chloride	40%	HDLPE & XLPE	PVC	EPDM
DEF (Diesel Exhaust Fluid)	33%	HDLPE & XLPE	316SS	EPDM
Ethyl Alcohol	100%	HDLPE & XLPE	PVC	EPDM
Ethylene Glycol	100%	HDLPE & XLPE	PVC	EPDM
Ferrous Sulfate	20%	HDLPE & XLPE	PVC	EPDM
Hydrochloric Acid	37%	HDLPE	PVC	Viton
Hydrofluoric Acid	48%	HDLPE	PVC	Viton
Hydrogen Peroxide	50%	HDLPE	PVC	Viton
Isopropyl Alcohol	100%	HDLPE & XLPE	PVC	EPDM
Methyl Alcohol	100%	HDLPE & XLPE	PVC	EPDM
Motor Oil	100%	HDLPE & XLPE	316SS	Viton
Phosphoric Acid	85%	HDLPE	PVC	Viton
Phosphoric Acid	50%	HDLPE	PVC	Viton
Potassium Carbonate	50%	HDLPE & XLPE	PVC	EPDM
Sodium Carbonate	30%	HDLPE & XLPE	PVC	EPDM
Sodium Hydroxide	50%	HDLPE & XLPE	PVC	EPDM
Sodium Hypochlorite-out (UV)	15%	HDLPE	PVC	Viton
Sodium Thiosulfate	40%	HDLPE	PVC	EPDM
Sulfuric Acid	98%	HDLPE	CPVC	Viton
Urea Solution	50%	HDLPE & XLPE	PP/PVC	EPDM



*Disclaimer: For specific compatibility, storage conditions such as temperature, exposure to sunlight, and exact chemical composition of stored material must be researched to fully understand the situational tolerance of the chemicals.*