



APPLICATIONS IN TEXTILE

Our tanks are specifically designed to store:

- » Caustic Soda (NaOH)
- » Softeners (Cationic / Silicone Based)
- » Reactive, Vat & Disperse Dyes (Liquid Form)
- » Pigment Pastes
- » Resin & Finishing Chemicals
- » Optical Brightening Agents (OBA)
- » Starch & PVA Solutions
- » Enzymes (Amylase, Cellulase, Catalase)
- » Textile Auxiliaries & Surfactants
- » Soda Ash
- » Hydrogen Peroxide
- » Acetic Acid
- » Formic Acid
- » Hydrochloric Acid (Diluted)
- » Sulphuric Acid (Diluted)
- » Wetting Agents
- » Sequestering Agents

14 CHEMICAL STORAGE TANK (SS / MS)

Engineered Storage Solutions for Textile Processing Chemicals

Our Chemical Storage Tanks are precision-engineered for the safe, reliable, and contamination-free storage of textile processing chemicals used across wet processing, dyeing, finishing, and coating applications.

Designed to withstand corrosive environments, temperature fluctuations, and continuous industrial usage, these tanks are manufactured in Stainless Steel (SS 304 / SS 316 / SS 316L) or Mild Steel (MS) with internal epoxy coating, depending on chemical compatibility requirements.

These tanks are widely deployed in desizing, scouring, bleaching, dyeing, washing, finishing, and coating

DESIGN CONFIGURATIONS Tank Orientation

- » Vertical Mounted
- » Horizontal Mounted

Bottom Construction Options

- » Flat Bottom
- » Conical Bottom
- » Dish End Bottom
- » Sloped Bottom (for complete drainability)

Top Construction Options

- » Open Top with Lid
- » Dished Top
- » Conical Top
- » Flanged & Bolted Top

TECHNICAL SPECIFICATIONS Storage Capacity

- » 50 Liters to 20,000 Liters (Custom sizes available)

Material of Construction

- » SS 304
- » SS 316 / 316L (Recommended for acidic & peroxide chemicals)
- » Mild Steel with Chemical Resistant Coating
- » SA 516 Gr. 60 / 70 (for pressure-rated applications)

Thickness (Designed as per)

- » Chemical compatibility
- » Load conditions
- » Operating temperature
- » Structural requirements

Finishing Designed as per:

- » Matt Finish
- » Painted (MS Tanks)
- » Mirror Finish (High Purity)
- » Pickled & Passivated (SS Tanks)

Insulation (Optional)

- » Hot Insulation (Mineral Wool / Rockwool)
- » Cold Insulation (PUF / Foam)
- » Cladded with Aluminum / SS Sheet

SAFETY & COMPLIANCE

- » Leak-Proof Welded Construction
- » Hydrostatic Tested
- » Corrosion-Resistant Internal Surface
- » Chemical Compatibility Verified
- » Earthing Provision for Static Discharge
- » Designed as per Industrial Safety Norms
- » Compliant with ISO Manufacturing Standards
- » CE-Ready Fabrication (On Request)

ADVANCED OPTIONS

- » Limpet Coil for Heating
- » Steam Jacketed Construction
- » Electrical Heating Coil
- » Agitator with Gearbox & Motor
- » Level Indicators (Analog / Digital)
- » Load Cell Based Level Monitoring
- » Bottom Discharge Valve (Butterfly / Ball / Flush Bottom Valve)
- » Dosing Pump Integration
- » Manhole with Safety Cover
- » Vent with Flame Arrestor
- » Pressure & Vacuum Relief Valve
- » Spray Ball for CIP Cleaning
- » Sight Glass with Illumination

STRUCTURAL ADVANTAGES

- » High mechanical strength
- » Anti-corrosive and anti-abrasive material
- » Long service life
- » Low maintenance
- » Complete drainability to prevent chemical residue buildup
- » Designed for aggressive textile chemicals

TYPICAL INSTALLATION AREAS


- » Continuous Desizing & Washing Range
- » Padder Feeding Lines
- » Chemical Dosing Systems
- » Bleaching & Mercerizing Plants
- » Finishing & Coating Lines
- » Effluent Treatment Plants (ETP)


TYPICAL INSTALLATION AREAS


Our Chemical Storage Tanks are not generic vessels — they are process-engineered textile chemical management systems designed to ensure: Chemical purity, Operator safety, Process consistency, Reduced contamination Long-term durability Built for modern textile plants demanding reliability, efficiency, and compliance.



CONTACT

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