

Transpumpserv Global Pvt. Ltd.

Solimax (TsolX) – Robust Slurry & High-Solids Pumps

Description

Solimax (TsolX) is a rugged and heavy-duty pump series built for slurry transfer, high-solid wastewater, and municipal sludge handling. With wear-resistant materials, large solids passages, and high torque shaft design, it ensures clog-free operation, long service life, and high efficiency even in the harshest slurry and sludge environments.

These pumps are ideal for municipal, industrial, and effluent treatment duties where high solids, abrasive slurries, or contaminated water must be reliably managed.

Key Design Features

- Designed for slurry and high-solid wastewater handling
- Large solids passage for clog-free performance
- Replaceable wear liners (rubber, high-chrome, polyurethane)
- Heavy-duty bearing housing for extended service life
- Multiple impeller types: open, semi-open, or vortex impellers
- Back-Pull-Out construction for simplified maintenance
- Shaft sealing options: mechanical seals, gland packing, expeller seal
- Low operating speed for reduced wear and longer life

Seal and Shaft Technology

- Mechanical seals: single, double, cartridge (slurry duty)
- Gland packing with flushing arrangement available
- Expeller seal options for abrasive slurry duty
- Shaft protection sleeves to minimize wear in abrasive conditions
- Optimized shaft stiffness ratio (low L/D) for reduced deflection

Bearings and Certifications

- Heavy-duty bearings sized for high axial and radial loads
- Grease or oil bath lubrication options
- ATEX certified variants for explosive environments
- ISO / API compliance (on request)

Suitable Applications

- Municipal Sludge Handling – thick sludge, digested sludge, scum
- Wastewater & Effluent – high solids wastewater transfer
- Industrial Waste – abrasive and contaminated slurry handling
- Mining & Mineral Processing – ore slurry, tailings, abrasive media
- General Slurry Transfer – harsh, solid-laden wastewater

Technical Specifications

Casing Materials	High-Chrome Iron, Rubber-Lined, Stainless Steel
Impeller Materials	High-Chrome, Polyurethane, Rubber, Stainless Steel
Max. Capacity	Up to 2,500 m ³ /h
Max. Head	Up to 80 m
Max. Solids Handling	Up to 125 mm (depending on impeller)
Max. Temperature	Up to 120°C
Max. Operating Pressure	Up to 10 bar
Max. Speed	Up to 1,800 rpm

Downloads & Resources

- Technical Data Sheet
- Installation & Operation Manual
- Slurry Handling & Material Selection Guide
- 3D Pump Drawings (on request)