

Transpumpserv Global Pvt. Ltd.

ProcVert (TprocX-V) – Vertical In-Line Process Pump

Description

ProcVert (TprocX-V) is a vertical in-line process pump engineered to ANSI/ASME B73.2 standards. Designed for space-saving installation, it eliminates the need for complex piping arrangements while providing high reliability, efficiency, and serviceability.

Its compact in-line design allows direct connection within piping systems, making it particularly suitable for chemical plants, refineries, and process industries where floor space is limited.

Key Design Features

- ANSI/ASME B73.2 compliant design
- Vertical in-line configuration – no baseplate required
- Back-Pull-Out design for easy maintenance
- Heavy-duty casing with integrally cast support feet
- Closed impeller with back vanes for axial thrust balancing
- Compact footprint for space-constrained installations
- Replaceable wear rings for extended service life

Seal and Shaft Technology

- Single, double, and cartridge seals to ANSI/ASME / API 682 standards
- Quench, flush, and plan seal piping options
- Gland packing arrangement available on request
- Dry-shaft design – shaft protected from pumped liquid
- Optimized shaft stiffness for reduced deflection and longer seal life

Bearings and Certifications

- Bearings arranged to handle high axial and radial loads in vertical service
- Grease or oil bath lubrication depending on duty
- API 610 compliant variant available (on request)
- ATEX certification for explosive environments

Suitable Applications

- Chemical Plants – acids, alkalis, solvents, and corrosive liquids
- Refineries – hydrocarbons, process utilities, and circulation systems

- Process Industries – compact transfer solutions
- Utilities & Building Services – cooling water, booster, auxiliary circulation

Technical Specifications

Casing	Carbon Steel, Stainless Steel 316, Duplex, Alloy options
Impeller	Stainless Steel 316, Bronze, Duplex, Alloy materials
Max. Capacity	Up to 1,200 m ³ /h
Max. Head	Up to 150 m
Max. Liquid Temperature	Up to 200°C
Max. Operating Pressure	Up to 16 bar
Max. Speed	Up to 3,600 rpm

Downloads & Resources

- Technical Data Sheet
- Installation & Operation Manual
- 3D Pump Drawings (on request)