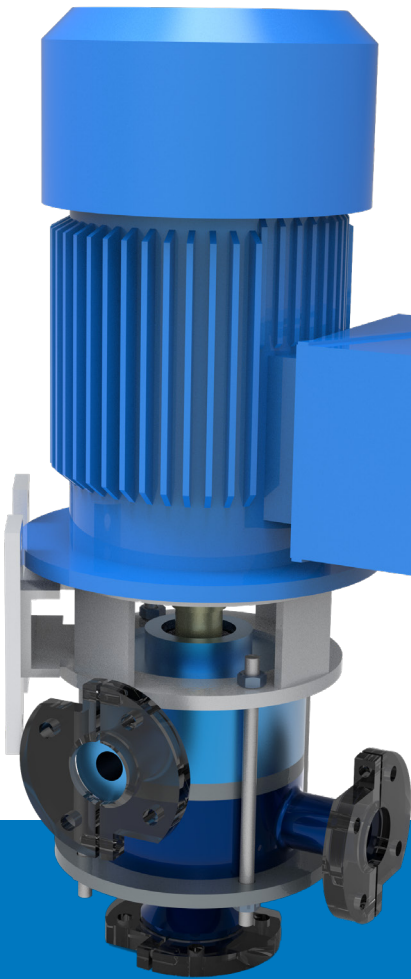




Process Pumps (I) Pvt. Ltd.



VERTICAL GLANDLESS PUMPS

Metallic & Non Metallic

DESIGNED TO PERFORM

WHY BUY IT?

A Vertical Glandless Pump is a wise investment for these key reasons:

- **Leakage Prevention:** Ensures a leak-free environment for safety and cleanliness.
- **Low Maintenance:** Eliminates the need for costly gland or seal maintenance.
- **Easy Setup:** Quick, hassle-free installation with motor alignment benefits.
- **Space-Efficient:** Saves floor space, ideal for tight installations.
- **Reliable Performance:** Suitable for continuous operations and versatile fluid handling.
- **RPM Options:** Available in 1440 and 2900 RPM models for different needs.

Consider these advantages, but remember they require negative suction and have limitations with high-temperature or flammable liquids. Assess your specific needs carefully before choosing a Vertical Glandless Pump.

PRINCIPLE OF OPERATION

A Vertical Glandless Pump operates similar to centrifugal pump in terms of hydraulics. The leak in a conventional horizontal centrifugal pump is eliminated by allowing the leakage liquid to escape through the overflow connection of the overflow chamber.

The liquid entering suction flows around the impeller casing and leaves through the delivery under pressure. The annular gap of upper rotor casing and impeller allows the leakage liquid to escape to the overflow chamber. The auxiliary vane thrower (expeller) prevents the leakage liquid going further up and channelizes it through outlet in the overflow chamber. These pumps are ideally suited for continuous operation and for all scrubbing applications. The pumps is at its best with negative suction.

Salient Features:

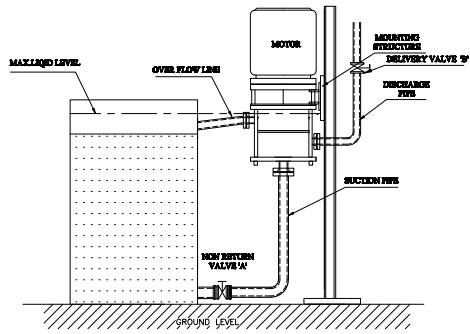
- No gland or mechanical seal thus eliminating associated problems.
- Zero Safe Minimum Flow - Pumps can run dry indefinitely with no damage.
- No bearings on the pump side avoiding relevant service and maintenance.
- Direct assembly with the motor avoids issue of misalignment.
- Saves valuable floor space.
- Ideally suited for continuous operation.
- Suited for clear clean liquids and slurry.
- Offered in 1440 and 2900 RPM.

Limitations:

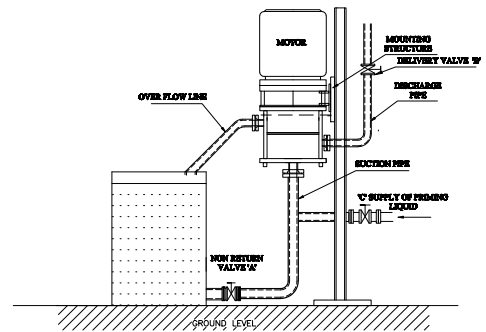
- Can operate only wherever negative suction exists.
- The suction lifts poses a limitation in the installation.
- Can be suitable for only those liquids where external priming is feasible.
- Not recommended for high temperature application or inflammable organic liquids.

INSTALLATION SCHEMES

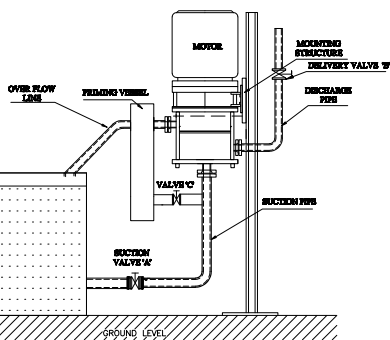
**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-1**



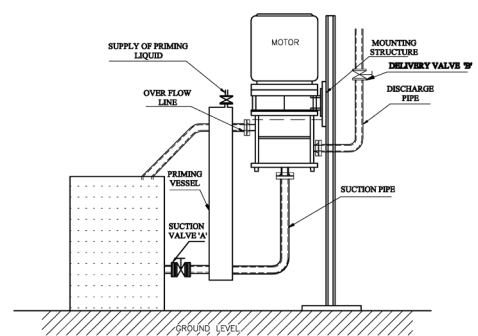
**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-2**



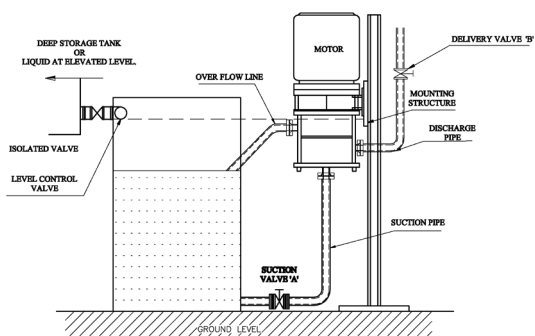
**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-3**



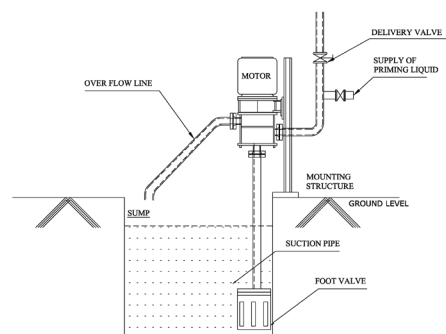
**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-4**



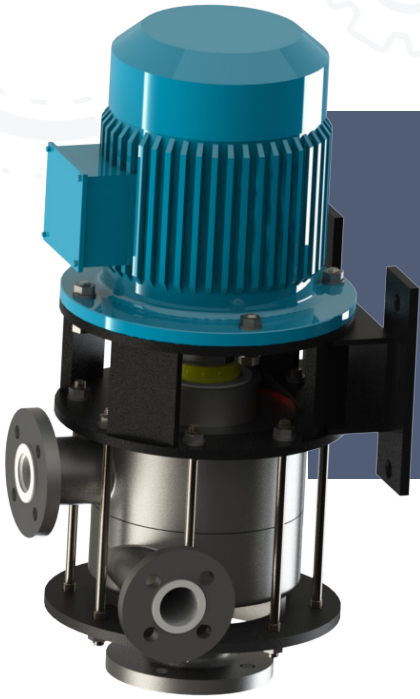
**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-5**



**VERTICAL GLAND LESS PUMP
INSTALLATION SCHEME-6**



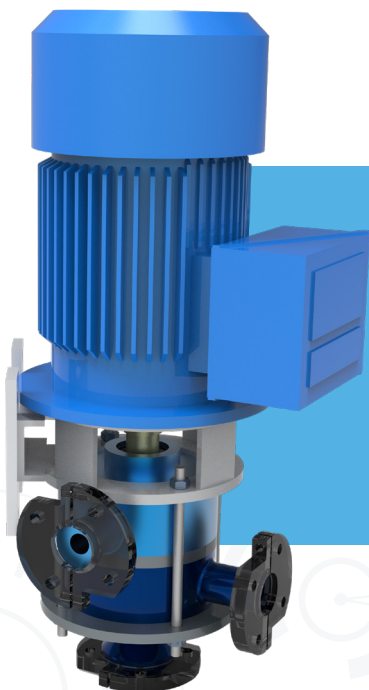
METALLIC SERIES



Technical Specifications

- Head of upto 60 MLC.
- Capacity 1.5m³ /hr to 500m³ /hr.
- Offered in Semi open and closed impeller to suit the application.

NON-METALLIC SERIES



Technical Specifications

- We offer pumps in fully molded
- UHMWPE and Lined Fluro Plastics.
- Head of up to 50 MLC & Capacity 2m³ /hr to 500m³ /hr.
- Offered in Semi open impeller.

Material of Construction

The material of construction of a pump plays a crucial role in the operation and durability of the pump. Based on the liquid handled, its nature, temperature and pressure of operation, the material of construction of the pump is to be selected with suitable corrosion allowance. Specialized in offering corrosion resistant pump, we offer the pump in a wide range of metallic and nonmetallic materials to suit the application

Metallic Material

Casted Pumps

Stainless Steel conforming to various ASTM specifications such as CF8, CF8M, CF3, CF3M and many more.

Duplex and Super Duplex Steel which include CD4MCu, CD6Mn, CD3Mn, Inconel & Alloy 20 and many more.

Non Metallic Materials

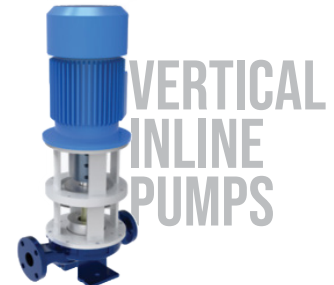
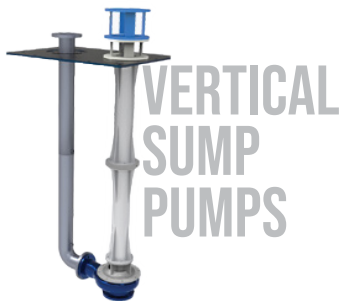
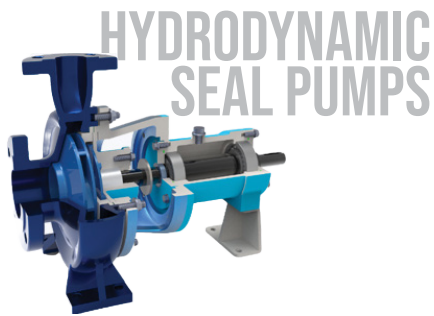
Fully Moulded

Ultra High Molecular Weight Poly Ethylene (UHMWPE)

Lined Pumps

Poly Vinyl Di Fluoride (PVDF), Fluorinated Ethylene Propylene (FEP),
Per Fluoro Alkoxy Alkanes (PFA)

OTHER PRODUCTS



[Click to connect](#)

Pumping solutions redefined



Location