

Sectional Drawing of VSCP pumps

Coupling

Connection between the electric motor and the pump is carried out by means of an elastic coupling.

Shaft sealing

The shaft sealing could be arranged by graphite soft packing.

Impeller

Designed for maximum efficiency with wide range of hydraulic coverage. Precision balanced for smooth operation.

Suction strainer

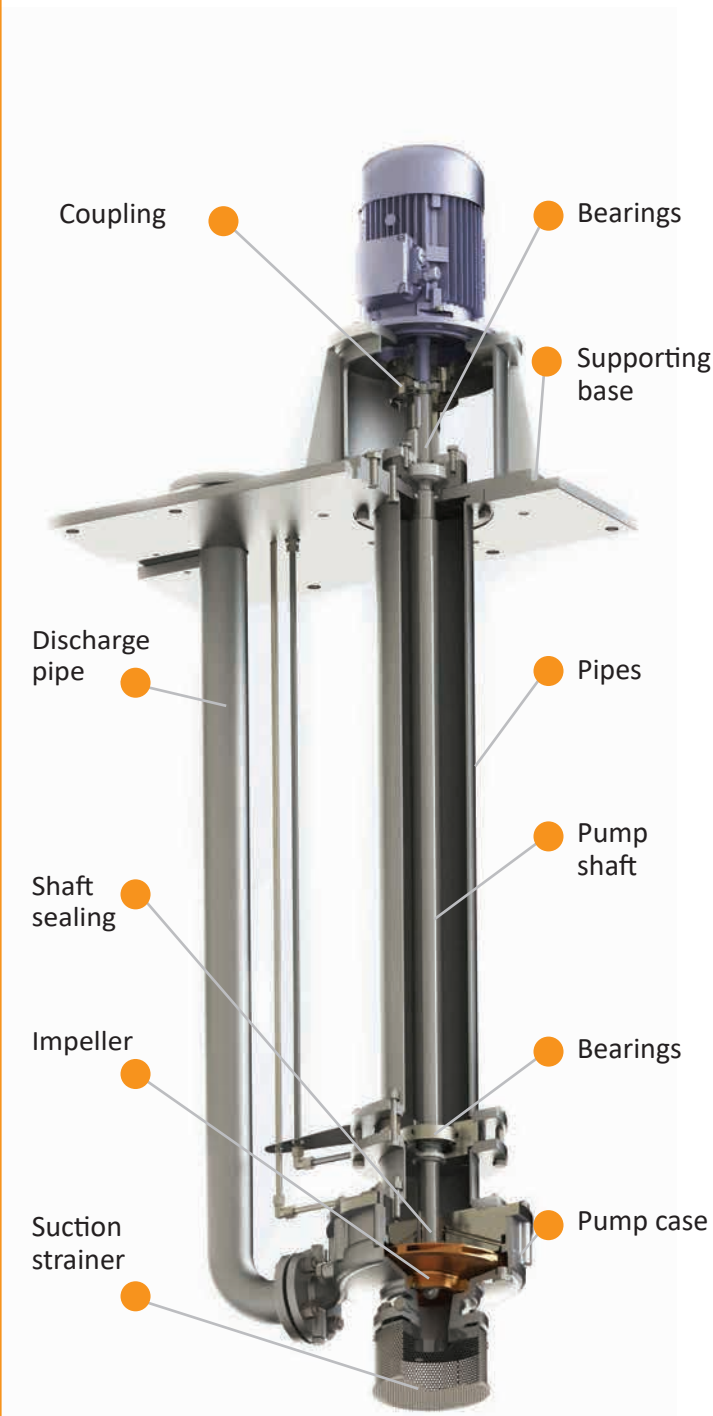
Prevents solids from entering suction bearing.

Pump case

The pump case is of rigid design with a generous wall thickness, giving good protection against erosion and corrosion.

Technical data:

Capacity:	up to 1000 m ³ /h
Head:	up to 100 m
Pump size:	up to DN250
Temperature:	up to 160 °C



Bearings

Weight and axial hydraulic thrust bear upon the upper semi-axial roller bearing. It's also used for centering of shaft at the same time.

Supporting base

The base support is of welded design with supporting rolling bearings. In order to fasten the whole pump set, there must be provided a supporting frame, or steel profile. The profile is concreted in a plant plate.

Pipes

The required depth for pump fitting is realized with assembly of certain number of inter-pipes with welded flanges.

Pump Shaft

Ample dimensioned single and double row ball bearings improve the stiffness and minimize shaft deflection.

Bearings

The vertical transmission of the pump bears upon two rolling bearings and the weight and axial force, upon the upper semi-axial rolling bearing. The bearings are grease lubricated.