

## Sectional Drawing of VMS 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 hydraulic coverage. Precision balanced for smooth operation.

### Suction bell

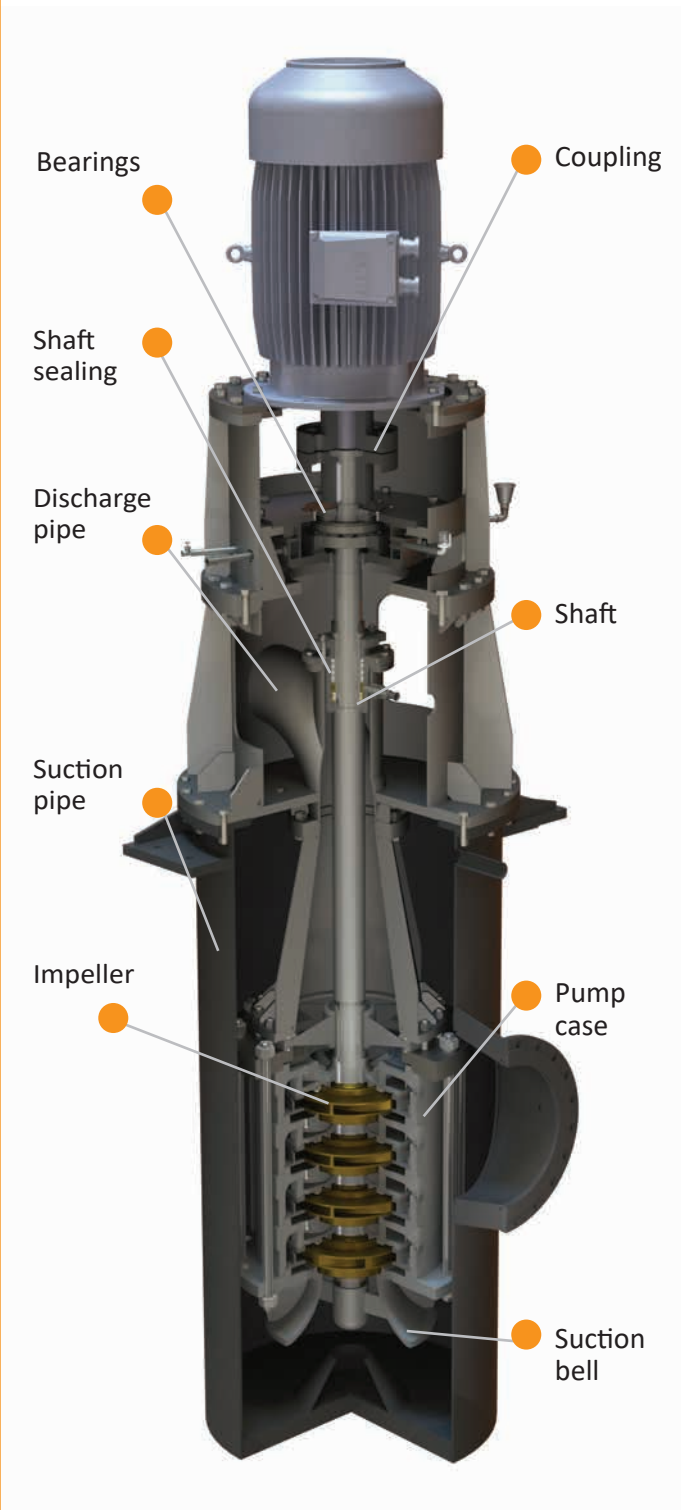
Provided for shaft stability.

### Discharge pipe

Properly sized for optimum water velocities to insure peak hydraulic performance.

### Technical data:

- Capacity: up to 240 l/s;
- Head: up to 370 m;
- Pump size: up to DN 200;
- Temperature: up to 160°C.



### Pump case

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

### 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.

### Suction Pipe

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.