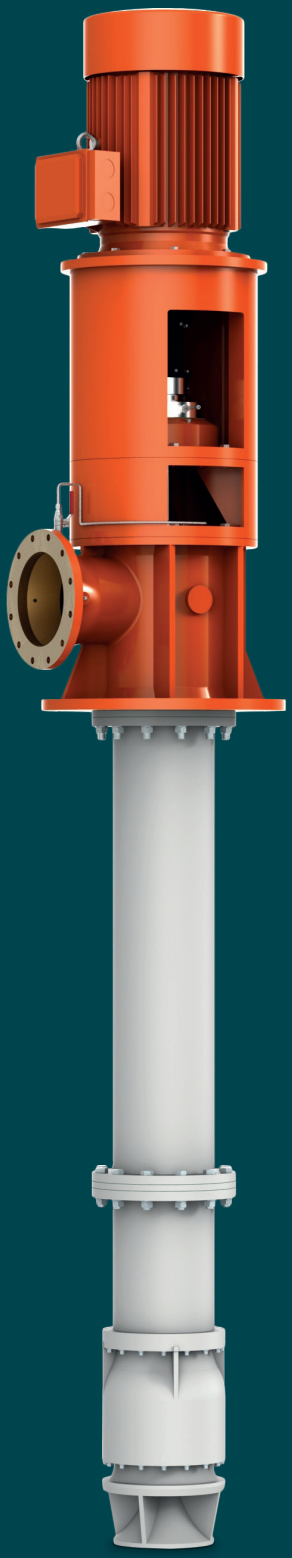


Vertical turbine pump

- Reliable design
- Low speed
- Length up to 30 metres
- Easy to service
- Long shaft lifetime

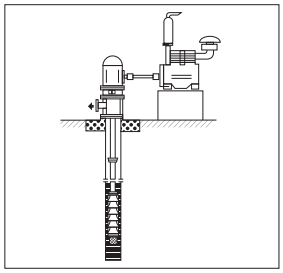
The CVLS vertical turbine pump is designed for a very vide range of applications. The construction is based on a modular concept.

Number of column pipes and stages, types of impellers and bowls, sealing systems, bearing arrangements and the material selection will meet any requirements within its working area.

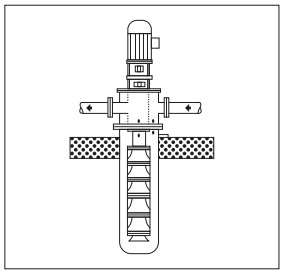
When increasing the flow capacity, the fluid velocity in the pipe system can be maintained by fitting an enlarged discharged port, matching the pipe work.

IRONPUMP
world class water pumps

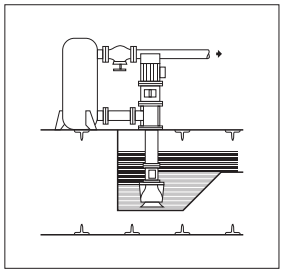
Bore hole pump



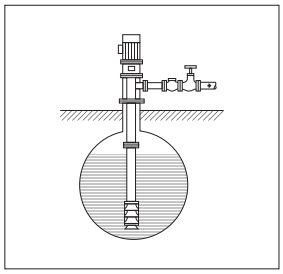
Well pump



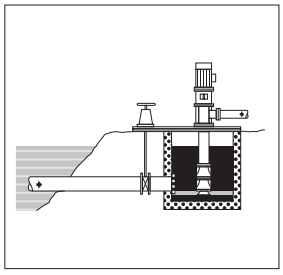
Tank pump

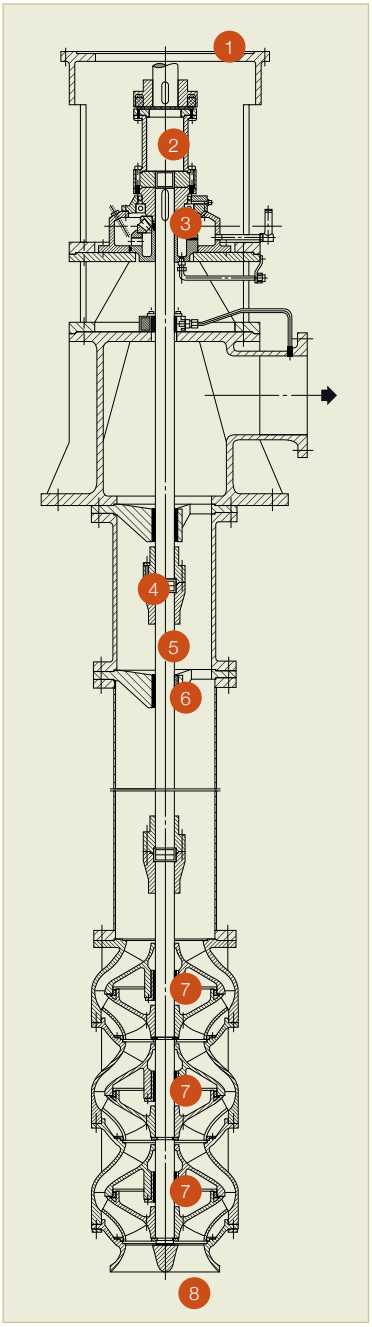


Cooling/Lub oil pump



Condensate pump





Design features

1. Standard, the pumps prime mover is a vertically mounted electrical motor but other types of prime movers can also be utilized, such as hydraulic motors or angle gears.

2. Coupling type:
   Pump size 65 - 100: Flexible
   Pump size 200 - 400: Spacer
   Pump size 400 - 600: Flexible & split seal

3. Lubrication of the axial load bearings:
   Pump size 65 – 100: Grease lubricated
   Pump size 200 – 400: Oil bath
   Pump size 400 – 600: Grease lubricated

4. Intermediate couplings are made from aluminium bronze (JM-7), or stainless steel (AISI 329).

5. Intermediate shafts are made from stainless steel (AISI 329).

6. Intermediate sleeve bearings are lubricated by the media. External lubrication can be fitted in longer pumps, or if not operating frequently, or if pumped liquids contain impurities.

7. The pump bowls are fitted with interchangeable sleeve bearings. Wear rings are standard.

8. If required, a strainer can be fitted to the pump inlet.

NB: Intermediate bearings and shafts can be assembled up-side down to extend the lifetime of the shafts by four.

CVLS max. values

Pump Size	Capacity (m^3/h)	Differential pressure (bar)	Speed (rpm)	Temperature (°C)	Length of pump (metres) approx.
65 - 100	100	12	3600	100	20
200 - 400	1200	10	1800	100	20
400 - 600	6000	6	1200	60	20

The maximum values mentioned above are combinations of the stated parameters.

IRON PUMP A/S has designed, developed and produced pumps for more than 100 years. We supply a wide range of high quality pumps, all able to be individually adapted and customized to meet client demands.

Every pump is assembled and tested at our in-house production and test facility to ensure quality. They can all be delivered with the most common certification regarding use in marine applications, as well as for material-environment- and quality assurance.

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