

Sectional Drawing of BCP pumps

Self priming

Self priming is improved by Vacuum Pump.

Bearings

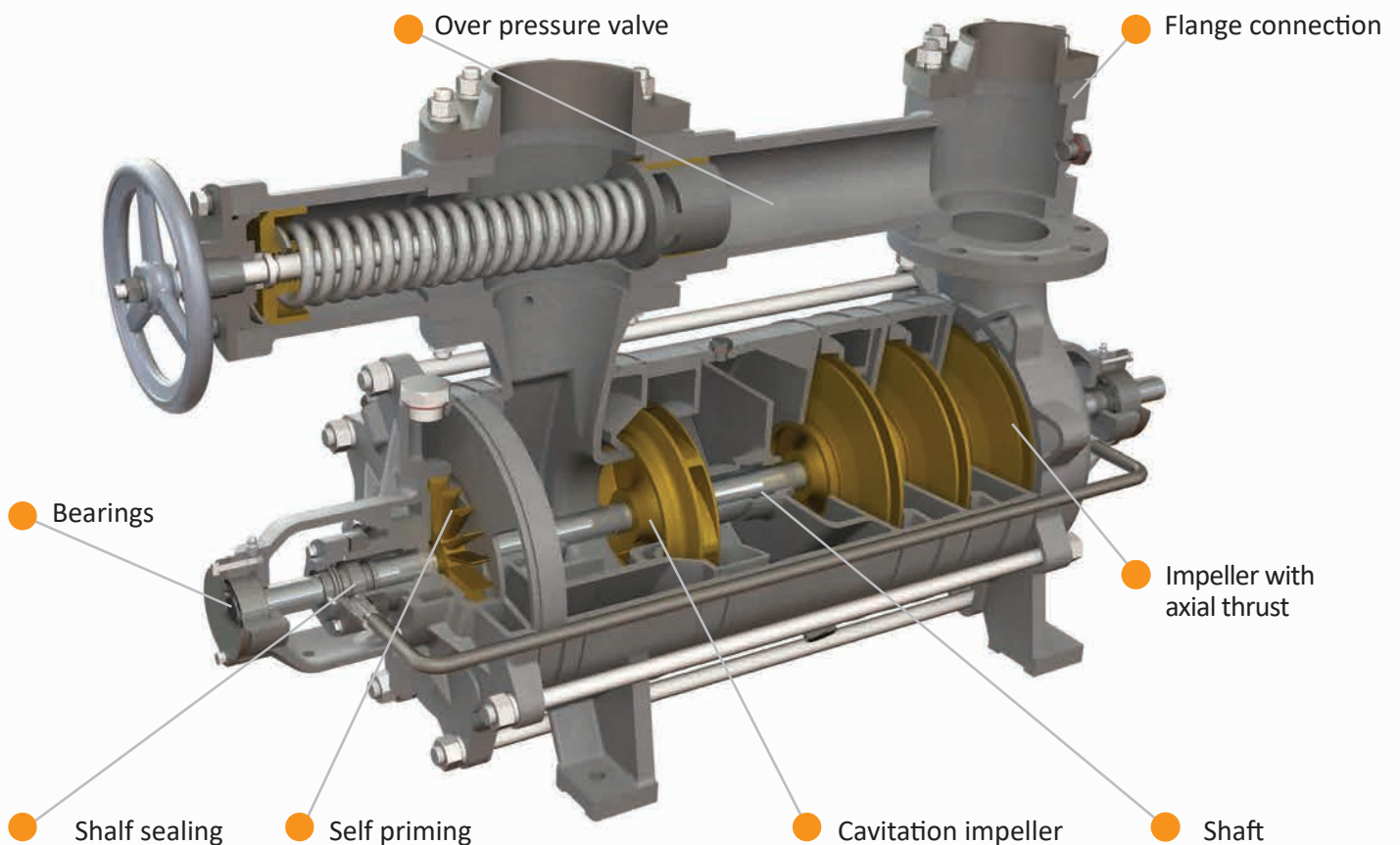
Ample dimensioned bearings of roller type grounded the pump shaft for smooth pump operation and long life service.

Cavitation impeller

The first centrifugal impeller is designed with larger inlet eye and fluid's velocity is allowed to achieve best cavitation performance.

Axial thrust

Throw the holes into the impeller's hub the hydraulic axial forces are relieved, the rest of the thrust bears the roller bearing.



Shaft sealing

Two mechanical seals of single spring type are mounted on both ends of the pump shaft.

Over pressure valve

Specially designed valve to avoid increasing of the outlet pressure above that the limited pressure.

Pump shaft

The shaft of high grade steel is precisely machined and grounded to minimize deflection and wearing of pumps parts and assure the mechanical seals long life.

Technical data:

- Capacity: up to 50 l/s;
- Head: up to 200 m;
- Pump size: up to DN 125;
- Temperature: up to 40°C.