

Vertical Centrifugal Pumps and Characteristics

CENTRIFUGAL PUMPS - FLOW & PRESSURE

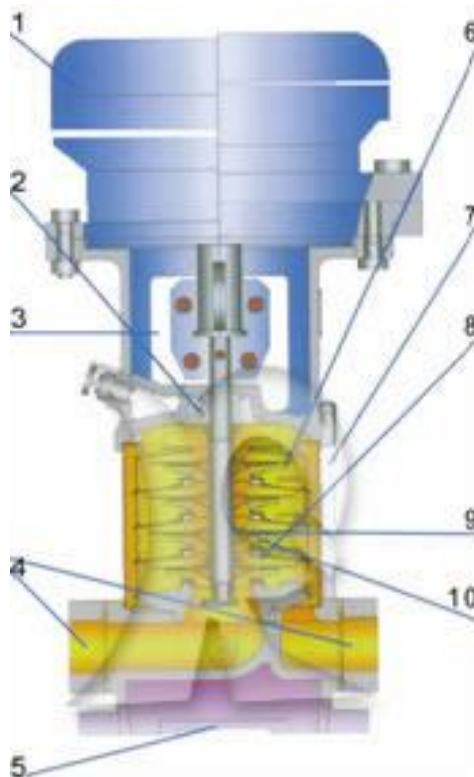
In Parallel

where extra flow is required, two or more pumps can be operated in 'parallel'. This means that the pumps all take suction from a common header and discharge into another common header. The number of pumps in the parallel line-up, depends on the system flow requirements.

In Series

where extra pressure is required, pumps may be operated in 'series'. Here, a pump takes suction from a vessel and discharges into the suction of another pump which then discharges into the system. The number of pumps lined up in series depends on the system pressure requirements.

Vertical centrifugal pumps are also referred to as cantilever pumps. They utilize a unique shaft and bearing support configuration that allows the volute to hang in the sump while the bearings are outside of the sump. This style of pump uses no stuffing box to seal the shaft but instead utilizes a "throttle Bushing". A common application for this style of pump is in a parts washer.



Construction:

Vertical multistage centrifugal pump, suitable for clean, watery liquids.

Equipped with ceramic wear-resistant liquid lubricated bearings.

Shaft sealing by means of mechanical seal.

Pump fulfils the latest safety regulations (CE-marking).

Sleeve sealing by means of O-rings.

Connections in-line with standard build-in sizes.

All hydraulic components such as shaft,

pumpfoot etc., manufactured of stainless steel AISI 304. Base plate and motor lantern made of cast iron.

Base plate protected by coating.

Product characteristics for Vertical Multistage Centrifugal Pump

1. Low noise: Install the model number of Y2 electric motor, the circulate is steady, and low noise .
2. Without leakage: Specially selected mechanical seal and science processes a craft, professional technical assurance, carry out the pursue of "without leakage"
3. Simple to demolish and install: Rigid couplings, spline shaft design, the weight ease 50% than the pumps, and the operability is better
4. Install is convenient: Enter of water and out of water are on the same level, the Lower to the tube road request, the the and tube road the s usage is more dependable, the stability is higher
5. The investment of pump - house - building is less: At the originally foundation of vertical
6. multistage pump go forward to go an improvement, the the physical volume is small, covering area little
7. Avoid the second-pollution of the fluid matter: Inducer and shaft are made of stainless steel, overcome the weakness of the cast-iron pump, promise the quality of the fluid matter
8. Have no rust eclipse harassment: The use cylinder of stainless steel, better adapt various environment, never rusty
9. The life span is longer: The material hurtles of stainless steel are pressed, the weld impeller, the weight is light, balance good, circulate a stability
10. Support expenses low: The Adopt the water-lubrication-bearing design, Circulate more dependable, need not to lubriicate to maintain
11. Efficiently and economize on energy: The More excellent water power model, the smooth of over flow a parts, raised a machine efficiency consumedly