KIRLOSKAR BROTHERS LTD.

IN LINE VERTICAL MULTISTAGE ENCLOSED IMPELLER PUMP TYPE KSIL/KCIL

Constructional Features

These are inline vertical multistage centrifugal pumps. The inline design enables installation of the pump in horizontal one pipe systems. The suction & discharge ports are of the same dimensions & are in the same horizontal plane. The arrangement ensures a compact pump design and calls for simpler & less complicated piping systems. These pumps come in a range of sizes and no of stages to provide the requisite flow & pressure for diverse applications. These pumps are suitable for a variety of application ranging from supply of domestic drinking water to pumping chemicals for industrial washing. The pumps are therefore used in a wide variety of pumping systems where the performance & material of the pumps meets specific demands.

SPECIAL FEATURES: Durable , lightweight, low noise level, compact, aesthetical design, corrosion resistant, reliable sealing and ease of maintenance. Energy efficient superior hydraulic design and ultra smooth hydraulic passages.

PARTS & THEIR FEATURES:Suction & Delivery Casing:-Inline suction & delivery casing ensures easy installation and simple piping layout with negligible effect of outside nozzle forces/movements.

Impeller-Pressed stainless steel ,enclosed radial flow impeller ensures ultra smooth passages resulting in higher efficiency . Impellers have superior suction eye design ensuring lower NPSH **Outer Casing cover**-Pressurized water between diffuser & outer casing dampens the noise almost completely, ensuring near silent operation.**Shaft-**High tensile stainless steel shaft sealed with mechanical seal **Coupling-**Iron based powder metallurgy. **Flanges**-Flanges are in DIN standard **Motor-** TEFC ,2-pole asynchronous motor with ingress protection class IP55 **Applications:** These pumps are series vertical multistage centrifugal pumps are widely used to transfer those liquids that are low viscosity, non- inflammable & non explosives & contain no solid particle or fibres. Our vertical multistage centrifugal pumps are increasingly used in following areas **Water Supply:** Filtration & transfer at water works ,Distribution from waterworks, pressure boosting in mains, pressure boosting in high rise buildings, hotels etc Industrial pressure boosting: Process water systems, coolant circulation, washing & cleaning systems, vehicle washing tunnels **Liquid Transfer**: Cooling & air conditioning systems (refrigerants),boiler feed & condensate systems, machine tools (cooling lubricants),oil & alcohols, glycol & coolants. Water treatment: Ultra filtration systems ,reverse osmosis(RO) systems, softening,ion exchange ,Demineralizing (DM) systems, distillation systems, separators, swimming pools. Small capacity Power plants:Boiler feed & condensate transfer. **Building Industry**: Booster, fire fighting Hydro-pneumatic(HYPN) systems, heating ventilation & air conditioning (HVAC) systems. **Irrigation**:Field irrigation (flooding),sprinkler irrigation, drip-feed irrigation.Dairy , Food processing & beverage industries: Supply of clean water

OPERATING CONDITION OF VERTICAL MULTISTAGE CENTRIFUGAL INLINE PUMPS :Pumped liquid must not react with the pump material. When liquids to be pumped have a higher density or viscosity than that of water , a higher-power motor should be used **Liquid temperature**: -20^{0}C to +120^{0}C,**Flow rages** : 0.4 to 28M^3/hr,**pH** :4.5-9,**Maximum ambient temperature**:+40^{0}C,**Maxmum Operating pressure**:25 bar, **Altitude:** Upto 1000m

Authorised Distributor Perfect Industrial Services
34&5, CENTRE POINT, OPP PIPARIA POLICE STN, Silvassa-396230 (DNH)
Tel.: 0260-2633225, Fax: 0260-2632518, Cell: 9375122207/9824122207
E-mail: info@perfectindustrial.com, www.perfectindustrial.com