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POSITIVE DISPLACEMENT PUMP ||amp;|| VIKING PUMP REFURBISH

VIKING PUMPS

Viking Pump's innovative LVP Series of stainless steel Vane Pumps supply up to 14 Bar (200 PSI) skeletal liquid capability at capacities up to 36 [M.sup.3]/Hr (160 GPM). The LVP Series pumps are planned for lanky, biting liquids at upper pressures than other certain displacement pumps. These pumps afford exceptional performance, higher durability and application flexibility. Their minimal installation and slide of maintenance to users help achieve enhanced productivity and a decrease extensive loss of ownership.

We are providing a dutiful, industrial-payment outcome with exceptional performance for acerbic, low gumminess liquids," said John Hall, Viking's result boss. "For request, the LVP string is planned to reduce life-sequence outlay, and its stainless sanitary steel casing

plane-hardened to 62 Rockwell C, sinking casing and vane fray. The LVP cycle' criterion chrome oxide layered pipe and silicon carbide bushings are really hard and long-lasting, and its PEEK vanes suggest high power, low friction for excluding show, and broad juice compatibility. The LVP series is also maintenance-open, allowing complete draining and painless vane or seal replacement lacking removing the pump from its approach."

POSITIVE DISPLACEMENT PUMPS

Positive-displacement pumps are another type of pumps. Types of upbeat-displacement pumps are reciprocating, metering, and gyratory pumps. Positive-displacement pumps direct by guiding a flat part of fluid from the fjord make sector of the pump into the discharge zone of the pump. These pumps commonly tend to be larger than total-room dynamic pumps.

Positive-displacement pumps frequently are used in hydraulic systems at pressures ranging up to 5000 psi. A principal plus of hydraulic right is the high influence density (state per group burden) that can be achieved. They also offer a preset displacement per revolution and, within mechanical limitations, countless pressure to move fluids.

Reciprocating Pumps

In a reciprocating pump, a flow cylinder end in line with a liquid cylinder end, with a straight rod conection between the steam piston and the pump piston or plunger. These pistons are double acting which means that each side pumps on every stroke.

Another construction styled is the power pump which convert rotary motion to low speed reciprocating motion using a speed reducing gear. The power pump can be either single or double-acting. A single-acting design discharges liquid only on one side of the piston or plunger. Only one suction and one discharge stroke per revolution of the crankshaft can occur.

The double-acting design takes suction and discharges on both sides of the piston resulting in two suctions and discharges per crankshaft revolution. Power pumps are generally very efficient and can develop high pressures. These pumps do however tend to be expensive.

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