



V Series

POSITIVE DISPLACEMENT SLIDING VANE PUMPS

Item code: EBS-RAY DIESEL DRIVEN

Highly efficient self priming positive displacement sliding vane pumps for low to medium viscosity lubricating and non-lubricating liquids. Designed and precision built to optimise all the advantages of the sliding vane principle.

Automatic compensation for vane wear assures the pump will maintain its superior priming characteristics and line stripping ability over a long service life. Smooth output flow ensure quiet operation within the NPSH range. The pumps can be direct-coupled to synchronous speed motors.

FEATURES:

- Replaceable wearing components.
- Balanced mechanical seals, shaft lip seals.
- Positive axial location of rotor.
- Multiporting configurations.
- Double-ended shaft (some models).
- Bypass valve - integral adjustable.
- Lightweight or standard.
- Compact and robust.

MATERIALS OF CONSTRUCTION:

- Casing: Cast Iron, Ductile Iron, Aluminum, Steel.
 - Rotors: Cast Iron, ADI - model dependent.
 - Vanes: Engineered plastic.
 - Liner: Cast Iron, ADI - model dependent.
 - Shaft: High Tensile Alloy Steel or Stainless Steel.
- Special materials to specification.

FIELDS OF APPLICATION:

- Road tanker mounting and fixed installation for loading and unloading of Petroleum products such as: petrol, distillate, aviation fuels, lubricating oils, LPG, chemicals solvents and edible oils.

PERFORMANCE RANGE:

- Flows to 6,360Lpm.
- Pressures to 1,100 kPa.
- Viscosities to 10,000 cSt.
- Temperatures to 100°C.



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DIESEL DRIVEN PRODUCT RANGE:

Description	Service	Casing Material	Flow Rate
Model V20 T21H with Kohler KD350 engine	Refueling	Aluminium	340 lpm
Model V20 T21H with Kohler KD440 engine	Refueling	Aluminium	400 lpm
Model V25 T83 with Kohler 15LD500 engine	Refueling	Aluminium	530 lpm
Model V30 T24 with Kohler 15LD500 engine	Refueling	Cast Iron / Aluminium	730 lpm
Model V35 T24 with Kohler KD425-2 engine	Refueling and Unloading	Cast Iron / Aluminium	920 lpm
Model V40 with Kohler KD425-2 engine	Refueling and Unloading	A395 Ductile Iron	1100 lpm
Model V40 with Kohler KD625-2 engine	Refueling and Unloading	A395 Ductile Iron	1600 lpm

ELECTRIC DRIVEN PRODUCT RANGE:

Description	Service	Casing Material	Flow Rate	Max. Diff Pressure
Model V20 T21H with 4.0kw 6 pole motor	Refueling	Aluminium	400 lpm	300 kPa
Model V25 T83 with 5.5kw 6 pole motor	Refueling	Aluminium	560 lpm	300 kPa
Model V30 T24 with 7.5kw 8 pole motor	Refueling	Cast Iron / Aluminium	730 lpm	350 kPa
Model V35 T24H with 7.5kw 8 pole motor	Refueling and Unloading	Cast Iron / Aluminium	970 lpm	250 kPa
Model V35 T24 with 11kw 8 pole motor	Refueling	Cast Iron / Aluminium	940 lpm	450 kPa
Model V35 T24 with 15kw 8 pole motor	Refueling	Cast Iron / Aluminium	920 lpm	675 kPa
Model V40 T55P1 with 15kw RX87 geared motor	Unloading and Transfer	A395 Ductile Iron	1400 lpm	400 kPa