

VPN

SLIDING VANE PUMP



Fuel & oil transfer for tank trucks

Orientation: 90 degrees

Ideal for: Fuel and oil tank trucks requiring high flow and low weight

The **VPN** is a 90° sliding vane pump engineered for the transfer, loading, and unloading of fuel and oil products. Its **constant-flow design, fully self-priming capability, and strong suction performance** ensure smooth, reliable operation even in harsh environments.

Technical Highlights

- 90° sliding vane design for compact installation
- Constant-flow sliding vane design
- Fully self-priming
- ATEX certified
- Clockwise or counterclockwise rotation
- Low maintenance thanks to self-lubricating components
- Integrated mechanical or pneumatic bypass valve
- Robust construction for harsh operating conditions
- Easy maintenance (no special tooling required)
- Quiet operation

Four Main Strengths

- High flow rate combined with low weight
- Maintenance-free self-lubricating carbon bushings
- Compatible with multiple fluid types
- One mechanical shaft seal for easy maintenance

Applications:

Tank trucks, trailers and skids with:

- Diesel
- Gasoline
- Kerosene
- Ethanol
- Methanol
- Petrol
- Oil



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Performance	VPN30
Flow rate	Up to 1100 l/min
Maximum rotation speed:	650 rpm
Differential pressure:	0 / 8 barg
Maximum working pressure:	10 barg
Nominal suction pressure:	-0.4 / 3 barg*
Dynamic viscosity:	0/5000 cSt*
Fluid Temperature:	-20°C/+70 °C
Connections:	3" welding flange
Body material:	Cast iron
Rotor/vanes material:	Steel & composite
Standards and directives:	ATEX

*depending rotation speed

Shaft seal:	Single mechanical seal
Material static seals:	Viton (FKM)
Material mechanical seals:	Stainless steel / carbon / silicium / viton
Direction of rotation:	Left or right
Pump dimensions (lxwxh):	244x347x308
Drive:	P.T.O., hydraulic, electric or diesel / petrol engine
Weight:	56.5 kg
Other options:	Mechanical or pneumatic bypass valve, hydraulic trunk w/o hydraulic motor, filter, PTO flange, Bolt & Go package

Overall dimensions:

