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Насосы SAMPI RVP



Description

RVP-Series pumps are rotary vane type, self-priming, provided with an integral by-pass valve to protect the pump and system against overpressure. The sliding vane pump consists of a rotor turning inside a cam that is machined eccentrically in relation to the rotor. As the rotor turns, the liquid that is trapped between the rotor, cam, and vanes is displaced. The RVP Series pumps are made with vanes produced from advanced polymers which exhibit extremely low coefficients of friction. The self-adjusting vanes compensate for wear and help extend the life of the pump. SAMPI RVP Pumps are originally designed for fuel and light petroleum products applications: due to their efficiency, this kind of pumps can handle viscous and volatile liquids and requires less horsepower than other equivalent pumps.

Components	Standard Material	Available Options
Body	Cast Iron	
Head	Cast Iron	
Flanges	Cast Iron	
Rotor	Nodular Iron	
Bearing Cover	Steel	Bearing Cover in Aluminium and Couple in Steel

Bearings	Spheric, lubricated with grease at 149°C (300°F) max	
Vanes	Resin with parts in Stainless Steel 316 at 115°C (240°F) 4250 cP (20000 SSU) max	
Bypass Valve	Cast Iron with Nickel	
Bypass/Head AOV	Cast Iron	
Bypass Valve Cover	Cast Iron	
Spring Bypass Valve	Plated Steel	
Mechanical Seal	Cast Iron	Stainless Steel and Ni-Resist
Mechanical part of seal	Steel	
Shaft	Carbon Steel	
O-rings	Buna-N at 115°C (240°F)	
Gaskets	Composit until 260°C (500°F)	
Vanes Guide	Hardened Steel	

MAIN APPLICATIONS:

On mobile systems (road tankers):

- Direct drive from truck PTO through cardan joint
- Hydraulic motor drive with adaptor
- Pumping set with diesel engine with plate to fix on truck chassis

On stationary systems (terminal, bulk plants and dispensing points):

- Electric motors with belt & pulley or gearbox drive
- High flow dispensers, with electric motors, with rubber hose and nozzle, also with hose reels for long distance dispensing, marine and aviation refuelling

RVP-Series pumps can be supplied upon request in ATEX II 2 G version (applicable to zone 1), also with overheat temperature switch.

SPECIFICATIONS:

MODEL	FLANGE	MAX FLOW RATE	MAX VISCOSITY	MAX WORKING PRESSURE
RVP20	2"	333 l/min (88 GPM) @ 780 RPM	4250 cP (20000 SSU)	13,8 bar (200 PSI)
RVP25	2½"	602 l/min (159 GPM) @ 780 RPM	4250 cP (20000 SSU)	13,8 bar (200 PSI)
RVP30	3"	1026 l/min (271 GPM) @ 640 RPM	4250 cP (20000 SSU)	13,8 bar (200 PSI)

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