



VacOil-1.5

VacOil™

Hydraulic Oil De-airing and Filling Stations

APS Technology's VacOil systems are designed to separate and remove air, water, solvents, light petrocabons and particulate contaminants from hydraulic oil with minimal operator intervention. Applications include downhole drilling equipment and other hydraulic systems where dissolved gas can cause pump cavitation and particulates can clog passages, preventing valves from sealing properly.

System Features

- > Designed for mobility
- > Compatible with U.S. and international power
- > Seal-less circulating pump
- > Rapid filter replacement using commercial, spin-on particulate filter
- > 10-minute setup time
- > Requires minimal operator supervision
- > Oil heater reduces viscosity and gas solubility
- > Capability to evacuate tools prior to filling
- > Capability to evacuate and fill via a single port or circulate through dual ports
- > Oil filling can be completed by pumping or by vacuum draw
- > Translucent reservoir for visibility
- > Built-in ground fault interrupter
- > Pressure-limiting magnetic pump coupling



Global perspective. Independent thinking.

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Product Specifications

	VacOil-1.5	VacOil-5	VacOil-25
Dimensions (L x W x H)	24 x 36 x 68 in. (61 x 91 x 173 cm)	24 x 36 x 83 in. (61 x 91 x 211 cm)	24 x 48 x 70 in. (61 x 91 x 178 cm)
Weight (approx.)	150 lb (68 kg)	200 lb (91 kg)	300 lb (136 kg)
Electrical	220 – 240 VAC; 50/60 Hz; single- phase; <20A	220 – 240 VAC; 50/60 Hz; single- phase; <20A	220 – 240 VAC; 50/60Hz; single- phase; <20A
Oil Types	Mineral, silicone, synthetic viscosity; <1,000 centipoise		
Instrumentation	Vacuum and pressure gauges	Vacuum and pressure gauges	Vacuum, pressure and aux. tank temperature gauges
Reservoir Capacity	1.5 gal (5.7 L)	5 gal (18.9 L)	25 gal (95 L)
Operating Vacuum	20 mTorr (0.027 mbar)		
Operating Temp.	122°F (50°C)	122°F (50°C)	122°F (50°C)
Flow Capacity (Line frequency- dependent)	0.1 - 0.2 gpm (0.4 - 0.8 L/minute)	0.6 - 0.7 gpm (2.3 - 2.6 L/minute)	Variable-speed drive up to 2 gpm (7.8 L/minute)
Particulate Removal	3 micron minimum; spin-on commercial filter		
Minimum Pressure Relief Limit	200 psi (13.8 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)

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Specifications subject to change without notice.

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