

BA-LV LOW VACUUM OIL PURIFIERS

Designed to reduce moisture, gas and particulate levels in a wide variety of mineral and synthetic oils such as turbine lube, hydraulic and gearbox oils. Maintenance of such liquids not only extends the life of the liquid; it also improves the performance of the related piece of machinery and extends its life.

CONTAMINANTS REMOVED:

- Reduction of water content in a single pass by 0.35 – 1.5% of the full flow rate of the unit depending on oil inlet temperature and the type of condensing system selected (*slugs of free water should be avoided through settling, floating suction or other means ahead of the purifier*)



From Cloudy to Clear

Ultimate reduction of soluble water content to better than 50 ppm below saturation.

- Removal of soluble gases and air to < 50% of the saturation level in a single pass through the system at full flow rate
- To the nominal rating of the user-selectable filter media. Typical systems have both inlet roughing filter and outlet polishing filter. Media for acid, sludge and varnish removal are also available.

INCOMPARABLE SINGLE-PASS PERFORMANCE FROM 10,000 PPM (1%) to 100 PPM (.01%) Incoming Oil at 80 Deg F and 150 SSU				
Systems Compared	Rated Flow (GPM)	Operating Vacuum (inches Hg)	Required Passes (Approx.)	Net Purification Rate (GPM)
Spinning Disk System	3	24	100	0.03
Packed Tower Mass Transfer	6	24	25	0.24
Baron LV True Low-Vac	10	28.5	1	10

STANDARD FEATURES AND COMPONENTS:

Flow Rate: 75, 150, 300, 600, 900, 1200, 1500, 1800, or 2400 US gph

Heater: to raise oil to drying temperature: 120-160°F

Vacuum: ≤ 26-28.5 inHg. Vane or claw vacuum pumps available.

Condensers: Air-cooled is standard; water-cooled and closed loop cooled are available for higher ambient installation and special applications.

Portability: System is mounted on a reinforced steel base with integral drip pan for stationary fixed installations. Castors, trailers and other portability options are also available.



BA-LV-1200



BA-LV-300



BA-LV-150



BA-FPS-LV-75