



Pall Corporation

The Pall PB35 Reservoir Blower has been developed to address the challenge of water vapor condensation inside oil reservoirs. It also addresses the problem of particulate ingress through poorly sealed reservoir hatches and access ways.

The PB35 delivers a steady stream of filtered air into the reservoir, evacuating moist air, and replacing it with dryer ambient air. The unit is a permanent mount and is specially designed for applications in the Pulp & Paper, Primary Metals, and heavy industries where elevated water content and airborne dirt ingress within oil reservoirs causes deterioration of performance.



Description

Most lubricating and hydraulic oil reservoirs contain a pocket of air between the fluid level and the top of the tank. Moisture collects in the air pocket and often condenses into water droplets which then fall back into the oil. Wet lubricating and hydraulic oils pose a significant threat to all system components.

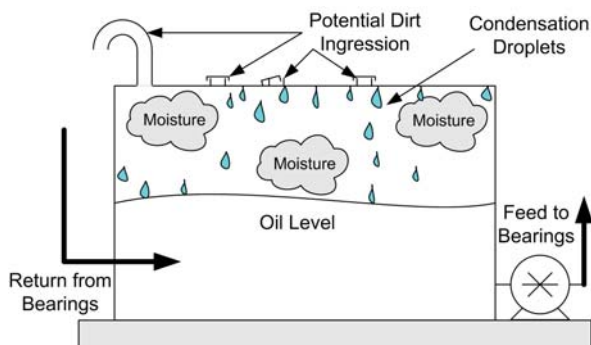
Fluctuating fluid levels in the reservoir cause ambient air to be drawn in through any openings or cracks in the reservoir lid or cover. The in-rush of air may bring with it dirt particles that fall into the oil and elevate the contamination level of the entire reservoir. High particulate levels will reduce the effective life of all major system components including the filters.

The PB35 Blower is mounted on top of the oil reservoir close to where the fluid pumps draw oil from the

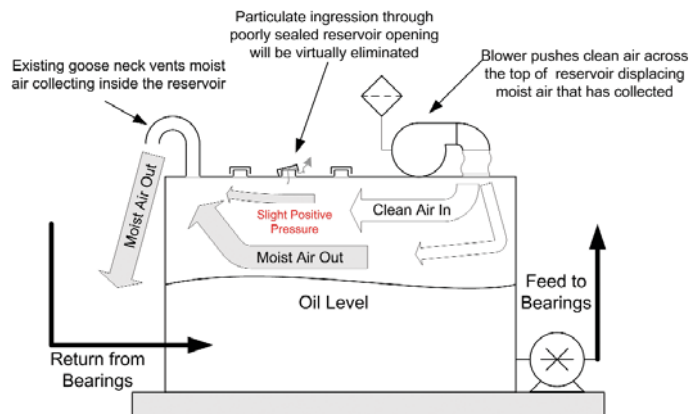
reservoir. The motor drives the blower and delivers clean, dry air across the top of the oil reservoir, displacing moist air that collects there. The slight positive pressure created by the blower prevents dirt ingress through poorly sealed hatches and access ways.

The continuous stream of clean air minimizes contamination and condensation within the reservoir and ultimately protects the components within the hydraulic and lube system.

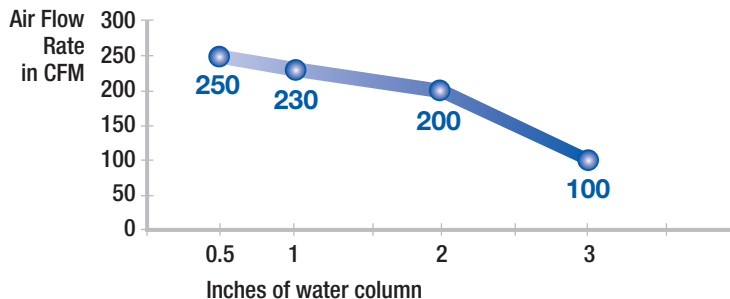
Unprotected reservoir



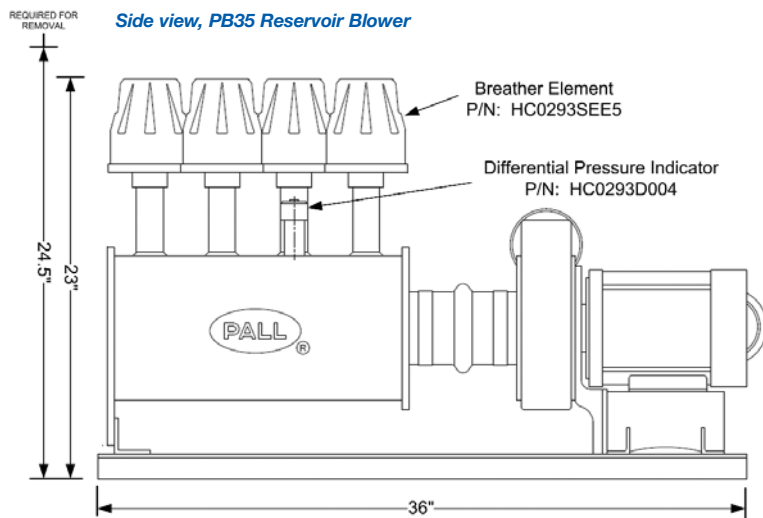
Protected reservoir



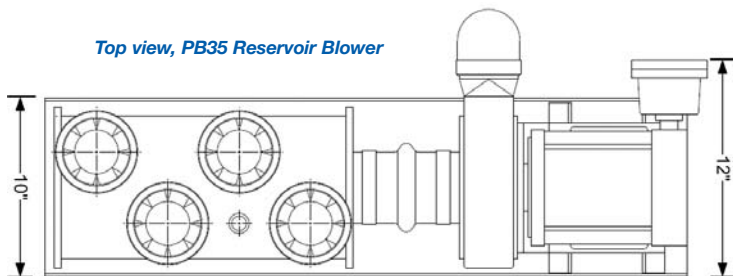
Flow Versus Backpressure



Side view, PB35 Reservoir Blower



Top view, PB35 Reservoir Blower



Ordering Information

PB35-■-▲-●

■ Voltage Options

W	230 or 480 / 3P / 60Hz
1	575 / 3P / 60Hz
R	380 / 3P / 50 Hz

▲ Breather Element

A	HC0293SEE5
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● Indicator

A	HC0293D004
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Specifications

Weight	180 lbs (81 kg)
Air Outlet Port	4 inches (10.16 cm) ID hose
Enclosure	TEFC/TENV*
Controls	No controls; Hard-wired from circuit breaker panel
Motor Rating	1/3 HP
Full Load Amps	230V 1.4 amps 380V 1.0 amps 480V 0.7 amps 575V 0.5 amps

Spare Parts

Pall Part Number

Breather element	HCO293SEE5
Indicator	HCO293D004

*TEFC = Totally Enclosed, Fan-Cooled
TENV = Totally Enclosed, Non-Ventilated



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