

**HIGHLY EFFICIENT & COMPETITIVE  
DESICCANT BREATHER**

Pulsarlube **AIR**

# PULSARLUBE AIR® AB-PX SERIES

Advanced protection even in high humidity & dust areas

Whenever pressure or fluid levels inside a reservoir fluctuates, airborne contaminants such as dust/dirt, moisture, and oxygen are drawn in through the breather vent port from the ambient environment.

These unwanted contaminants can expedite oxidation and corrosion, increase humidity leading to condensation and free water accumulation, cause oil emulsion, and lead to sludge or acid formation. This in turn results in frequent fluid and filter changes, increased operating and maintenance costs, and shortened equipment life.

Using desiccant breathers on reservoirs containing hydraulic fluid, oil, or other fluids can prevent possible contamination by filtering out dust, other airborne contaminants, and moisture.

**The Pulsarlube PX Breather is a proactive and effective maintenance countermeasure to keep the entire fluid system clean and to extend the storage and service life of fluids, even in high humidity and dust areas.**



### Protection Against Ambient Air Exchange

Intake check valves limit air exchange with the environment until air flow is required, extending desiccant service life.



### Superior Filtering Performance

The combination of an activated carbon filter, advanced electret filter, and baffle plate offers effective contamination control.



### Extended Service Life

A larger volume of silica gel provides higher adsorption rates over comparable competitor products.



### Longer Shelf Life

Premium packaging using a non-permeable, triple layer film guarantees long lasting shelf life.



### Easy Maintenance

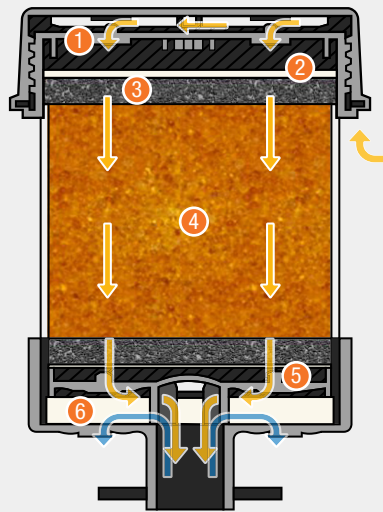
Simply replace the breather when the orange silica gel turns dark green.

### Design & Features

Filters airborne contaminants

Dehumidifies

Prevents oil mist contamination from reservoir



- 1 Check Valve**  
prolongs life of desiccant by limiting ambient air exchange until air flow is required
- 2 Electret Filter (particle size > 2µm)**  
captures airborne dirt, dust, and other undesirable particles by electrostatic charge
- 3 Activated Carbon Filter**  
removes fumes and odor
- 4 Desiccant Silica Gel**  
turns from orange to green as it adsorbs moisture from incoming air
- 5 Baffle Plate**  
protects silica gel from oil mist contamination by providing a one-way barrier between the reservoir and silica gel
- 6 Oil Absorbent Foam**  
absorbs oil mist drawn in from reservoir

### Typical Industries and Applications



· Hydraulic Reservoirs



· Industrial Gearboxes



· Transformers



· IBC & Fluid Tanks



· Mobile Equipment

### Product Specifications

	AB-PX100	AB-PX101	AB-PX102
<b>Diameter</b>	5.54" / 14.07cm	5.54" / 14.07cm	5.54" / 14.07cm
<b>Height</b>	5.51" / 14cm	6.77" / 17.2cm	10.28" / 26.1cm
<b>Silica Gel</b>	440g	660g	1320g
<b>Mounting Connection</b>	1" slip fit	1" slip fit	1" slip fit
<b>Max. Adsorption Capacity</b>	160ml	279ml	538ml
<b>Max. Air Flow</b>	20cfm	20cfm	20cfm
<b>Max. Reservoir Fluid Flow</b>	150gpm	150gpm	150gpm
<b>Type of Desiccant</b>	100% Silica Gel	100% Silica Gel	100% Silica Gel

▼ From the left AB-PX102, 101, 100



#### NOTE

A variety of adaptors are available to connect Pulsarlube Air to most reservoir ports.