

NEW PRODUCT



INFORMATION

AB-PX101

## Pulsarlube Desiccant Air Breather



### Extended Service Life

A greater volume of Silica Gel provides higher absorption rates over comparable products.



### Long Lasting Shelf Life

A non-permeable, triple layer film packaging guarantees a longer shelf life over comparable products.



### Effective Removal of Contaminants

The combination of an Activated Carbon Filter, advanced Electret Filter and Baffle Plate offers superior contamination control.



### Eco-Friendly Orange Indicating Silica Gel

The Eco-Friendly Silica Gel will turn dark green for easy visual reference when moisture is absorbed.



AUGUST 2023

**Pulsarlube AIR® Desiccant Breathers are a highly efficient and proactive maintenance countermeasure. It is one of your must-haves not only to keep the entire fluid system sound and clean, but to also extend the storage and service life of fluids.**

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

These unwelcome contaminants expedite the oxidation of oil, increases humidity which leads to condensation and free water accumulation, causes oil emulsion, sludge and acid formation, and corrosion. This in turn results in frequent fluid and filter changes, increased operating costs and downtime, and shortened equipment life, which greatly increases maintenance costs.

For all applications using hydraulic fluid and/or oil contained within fluid reservoirs, the use of desiccant air breathers is commonplace and can prevent possible contamination of fluids by absorbing moisture and filtering out other airborne contaminants.

The efficiency of the breather and competitive cost over the period in service is a key factor in selecting which breather to use.

### SPECIFICATIONS, FEATURES AND BENEFITS

- Maximum air flow 20cfm
- Maximum adsorption capacity 279ml
- Maximum reservoir fluid flow 150gpm
- 100% Silica desiccant gel - 660g
- Mounting connection 1" slip felt
- Height 17.2cm Diameter 14.07cm
- Extended service life
- Long lasting shelf life
- Effective removal of contaminants
- Electret Filter (particle size > 2) removes airborne dirt, dust, and other undesirable particles by electrostatic charge
- Activated Carbon Filter: Removes moisture, fumes and odour
- Desiccant: Silica gel will turn from orange to green as it absorbs moisture from incoming air
- Baffle Plate: Protects silica gel from oil mist contamination
- Oil Absorbent Foam: Absorbs oil mist drawn from reservoir

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## AB-PX101

## Pulsarlube Desiccant Air Breather

August 2023

## 1. Cross Section



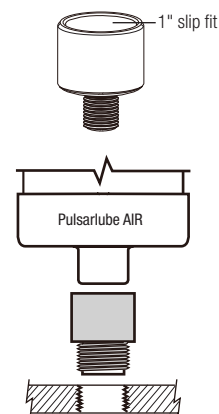
- A** Electret Filter (particle size > 2 $\mu$ m)
- B** Activated Carbon Filter
- C** Desiccant
- D** Baffle Plate
- E** Oil Absorbent Foam

## 2. Adaptor Selection Guide (adaptors sold separately)

Product Name	Specification
AB-PX01	1" x PT 3/8" Male
AB-PX02	1" x NPT 3/8" Male
AB-PX03	1" x PT 1/2" Male
AB-PX04	1" x NPT 1/2" Male
AB-PX05	1" x PT 1" Male
AB-PX06	1" x NPT 1" Male

**NOTE:**

Please contact us for other types and/or size adaptors.



## 3. Unit Selection Guide

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

**NOTE:**

- A variety of adaptors are available to connect to nearly all existing reservoir ports.

## 4. Special Notes on Mounting



Mount the breather using an adaptor best suited for your application, where it can easily be seen and maintained.



Use Teflon for an adapter to be tightly fitted on the tip of the breather.



Do not mount the breather on equipment that is too hot to touch. If the equipment reaches beyond 150°F(65°C), we recommend remote mounting the breather up and away from the heat source using an extension hose or pipe.



Do not mount the breather at an angle greater than 45°.



Do not mount the breather below the breather vent port on the equipment. This increases the chance of splashing or foaming oil getting into the breather.

## 5. Disposal Guide



Verify that all of the desiccant has turned from orange to dark green.



Remove breather from application.



Remove and save the adapter fitting to be used with a new breather.



Dispose of breather in accordance with all applicable federal, state and local regulations.



Review attached MSDS sheets.

**KIT ORDERING INFORMATION:****AB-PX101A:** 660g Desiccant Breather kit with 3/8" BSP Adaptor**AB-PX101B:** 660g Desiccant Breather kit with 1/2" BSP Adaptor**AB-PX101C:** 660g Desiccant Breather kit with 1" BSP Adaptor**OPTIONAL****AB-PX01:** Air breather Adaptor 1" Female X 3/8" Male BSP**AB-PX03:** Air breather Adaptor 1" Female X 1/2" Male BSP**AB-PX05:** Air breather Adaptor 1" Female X 1" Male BSP