

Breathers: Extreme Duty

Des-Case's most versatile breather solution



Applications:

- Mobile/off-road equipment
- Harsh environments with vibration
- Nautical applications



ESCO PRODUCTS, INC.

The Overview

XD Breathers: The Highlights

- Excellent vibration and impact resistance
- Broad temperature range and chemical compatibility
- Quality check-valves isolate system while accomodating high air flow
- Filter efficiency down to 0.3μ ($\beta_{0.3} \geq 200$)
- Provides longer oil and filter life

By The Numbers

1-Quad Check Valves

Check-valves provide system pressurization, protecting system integrity and extending product life.

2-Filter Element

ePTFE filter removes airborne contamination to 0.3-micron absolute. Stops free water.

3-Water Vapor Adsorbent

Color-indicating silica gel adsorbs water from incoming air. Replace when color changes from blue to pink.

4-Filter Element

Second particulate filter element protects against migration of desiccant.

5-Visual Indicator

Windows on two sides of breather allow for easy monitoring of desiccant.

6-Rugged Housing

Constructed from a PC/PBT alloy that maximizes chemical compatibility at the surface and impact resistance at the core.

7-Foam Pad

Foam filter captures any oil mist and disperses incoming air evenly over filtration and drying areas.

8-Integrated Standpipe

Resilient construction provides durability and allows oil mist to coalesce and drain back into the reservoir.

How It Works:

As wet, contaminated air is drawn through the unit, multiple 0.3 micron filter elements remove solid particulate while the color-indicating silica gel extracts moisture. When air is expelled from the container, the top foam pad prevents oil mist from contacting silica gel or entering the atmosphere.

Dimensions & Connections:

Product Specs	DC-XD-6
Unit Height	6.5"/16.5cm
Unit Diameter	5.1"/12.95cm
Shipping Weight Dry Weight (unit/case)	3.03lb/19.97lbs 1.37kg/9.06kg
Amount of Desiccant	1.75lbs/0.79kg
Max. Adsorption Capacity (fl oz./ml)	10.65 fl. oz/315mL
Max. Air Flow Rate (cfm)	16 @ 1psid
Max. Fluid Flow Rate (lpm/gpm)	456/120
Filtration	0.3 μ absolute ($\beta_{0.3} \geq 200$)
Operating Temp. Range	-40°F-300°F/ -40°C-149°C
Hydrophilic Agent	Silica gel
Filter Media	ePTFE
Connection Size	1 1/2" x 16 UN female thread
Body Material	Polycarbonate/Polybutylene Terephthalate (PC/PBT), Polytetrafluoroethylene, Alu- minum, Polyurethane, Polycar- bonate

