



Dirt barriers in the invisible area

Air breathers play a central role in the filtration of transmission, lubricating and hydraulic oil by protecting the system from external contamination. The ambient air that passes through openings in hydraulic fluid reservoirs usually contains particles of dirt or moisture. These contaminants limit the performance of the sensitive components in the hydraulic system or damage them.

Filtration Group Industrial offers **efficient air breathers** in a variety of designs and configurations, equipped with filter elements for all specified operating conditions and any required degree of cleanliness. Filter housings made of corrosion-resistant sheet steel or fiberglass-reinforced plastic are available in many sizes and with various connection options to suit the respective application. All air breathers have one thing in common: They ensure that hydraulic systems run much longer in high-performance operation than with conventional filters.



FG Air Breathers
Picture source: Filtration Group Industrial

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FG Air breathers

The Pi 0101 through Pi 0126 breather filters have housings made of non-corrosive material. The air intake is located in the upper section, this prevents surface dust to be drawn in from the tank top. The cover is designed to prevent entry of splash-water. The disposable, pleated elements can be replaced in a matter of seconds. The Pi 0140 through Pi 0185 breather filters have a housing made of galvanized sheet metal. The built-in-o-ring provides accurate sealing at the tank connection. With the choice of Mic or Sm-L elements the CETOP RP 98 H requirements are fulfilled. These specify the same filtration degree for the breather filter as the systems utilizes. Mol-elements prevent oil mist from emerging the tank. The oil mist coagulate, forming drops within the pleated coalescer layer, which are turned to the tank.

Advantages at a glance

- robust and corrosion-resistant
- optional use of cellulose (MIC) or glass fibre (SML) elements; other filter mediasuch as meltblown (MLB) elements on request
- Additional option: Version with MOL element for protection against aerosol leakage
- various screw-on and mouting options
- Additional option: integrated maintenance indicator or vaccum switch to make optimum use of the filter elements
- extensive accessories: valves, oil slosh protection, filling adapter, oil stop or water splash protection on request
- can be printed with a customer logo if the batch size is appropriate

Options

The types Pi 0101 - 0185 may be equipped with a maintenance indicator for optimal filter element exploitation. They indicate when the filter element must be serviced and thus save unnecessary costs.



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Additional porfolio

Desiccant breathers from Filtration Group Industrial prevent moist air from entering the hydraulic system. Moisture is extracted from the ambient air, preventing premature wear and damage to the sensitive components.

Applications

- Totes
- Transformers
- Storage of fluids
- Hydraulics



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