



HYDAC INTERNATIONAL

Filter Technology Area / 過濾科技領域

New Breather Dryer BDE for Extended Service Life

HYDAC Filter-
technik



乾燥式油箱、齒輪箱呼吸器
BDE



Description

The special feature of the filter are the two separated chambers storing two adsorbents with different water holding capacity and removal efficiency. Four valves are integrated in the filter bottom in order to eminently protect the adsorbent avoiding a saturation during system's downtime. The dirt holding capacity of the filter is increased through the integral and star-pleated air breather filter element.

All included new features contribute to an extended service life of the breather dryer. The entire design of the breather dryer accounts for no parts of the adsorbent can get into the tank or the gearbox. The filter is available in four sizes (80, 200, 400, 1000) and optionally with adapter flange fitting to the DIN 24557/T2 flange design. Through the high operation safety and its product features it supports the smooth control of motion sequences.



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Replacement cartridges:



BDE 200 BDE 400 BDE 1000

尺寸大小

Application

Applicable for all hydraulic tank and gearbox applications where problems with water ingress can occur.

Function

- Removes particle and humidity from the air which is inhaled by the gearbox.
- Helps to keep the air in the gearbox and the gear oil dry.
- Protects the gearbox.

齒輪箱乾燥式呼吸器，移除齒輪箱內部空氣當中的顆粒及濕氣。

Product Advantages

- **Increase of separation performance and water separation capacity** through the use of two high-performance adsorbents
- **Increased dirt holding capacity** through integral 2 µm star pleated air breather filter element
- **Protection of the adsorbent against splash water** through the integral valves (as an option)
- **Optimized filling volume depending on the application**, since four sizes are available
- **Reliable and comfortable indication of the Filter replacement** through the colour indication from deep red to light orange: 
- **Special waste disposal is not required**

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