



HYDAC INTERNATIONAL

Filter Technology Area / 過濾科技領域

HYDAC Filter-
technik



Breather Filter BF DRY 6 /-RV with Water Repellent Effect



BF DRY 6 G 5 W 1.0 /-RV

Description

More and more, existing breather filter solutions do not meet customer requirements any longer. Therefore, further developments in this product field are taking place constantly.

The latest development of HYDAC is the BF DRY 6 /-RV, which contains a hydrophobic filter material. The term „hydrophobic“ means "water repellent". Hydrophobic substances are for example nonpolar substances, such as greases and waxes, which do not mix with water. Referring to surfaces „hydrophobic“ means, that the contact angle between the water drop and the surface is bigger than 90°. Water drips off literally. Thus protects the system against splash water (e.g. during the machine wash). The risk of well-known dangers through water in oil can be significantly reduced.

The surface of a 5 µm filter is approx. 1,500 cm². Also, the BF DRY 6 /-RV integrates four check valves in order to achieve a pre-charging of the tank.

The new breather is optionally available with customer label print to increase the spare parts business.



Hydrophobic filter material with water-beading effect

Technical Data:

- Qmax: 1,000 – 1,500 l/min
- Water repellent filter element (5 µm) with approx. 1,500 cm² filter surface (hydrophobic DRY material)
- Material: Plastic (PA 6)
- Seal material: NBR
- Connections: G3/4" inside (outside as option)
- Precharging valves integrated (option: also available without precharging valves)

Product Advantages

- Dangers that may be caused by splash water ingress in the oil (e.g. sludge formation, corrosion of metal parts in the oil, faster oil ageing, oil film break, etc.) can be avoided, thanks to the hydrophobic filter element
- Precharging of the tank is possible
- Increase of spare element business thanks to optional customer label print

Application

The BF DRY 6 /-RV can be used in mobile and in stationary hydraulic systems.

具備防水效果空氣過濾器BF DRY 6/-RV 行動車輛與液靜壓系統應用