Desiccant Breathers ITAHYDRAULIC DC-BB/-1/-2/-3/-4



1. Features

Desiccant breathers ventilating mobile and stationary hydraulic tanks

The DC desiccant breather ITAHYDRAULIC replaces the customary dust caps or breathers often found on new equipment. When contaminated air enters the top of the breather, it passes through layered filter media, preventing solid particles from entering the breather and causing undue wear to your equipment surfaces. Filtered air passes through a bed of Power Breather silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the equipment reservoir during service or shut-down, keeping the equipment dry. FG Desiccant breathers protect lubricants and equipment from damage due to moisture and particulate intrusion. Extends service cycles and equipment life resulting in lower lifetime operating costs. DC desiccant breather ITAHYDRAULIC are also optional available with a biasing valve (CV). Biasing valves reduce the air change to a necessary level and extend the desiccant breather service cycles.

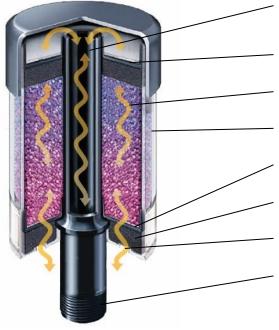
Applications and industries

- Tanks
- Transformers
- Storage of fluids
- Hydraulics
- Wind Energy
- Power Generation
- Mining
- Aviation
- Manufacturing
- Petrochemical
- Pulp and Paper
- Versions with biasing valve available
- Worldwide distribution

ATTENTION: Packaging unit contains 6 pieces per type!



2. Functional description



Center Tube

The center tube is constructed from rugged nylon material providing rigidity to the element and allowing for even airflow through the silica gel.

Secondary Filter Media

Second filter step prevents any possible migration of silica dust and is providing added system protection.

Moisture Absorbent

The silica gel provides industry leading moisture removal and holds up to 40 % of its weight.

Polycarbonate Outer Shell

Clear outer shell provides a visual indicator of silica gel condition allowing for optimum change out intervals.

Filter Media

3-micron absolute particulate filtration is provided by a multi-layer polyester filter media.

Oil Mist Collector

Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture absorbing silica gel.

Air Intakes

Air intakes are opened for operation. Breathers are delivered closed to provide moisture protection while being shipped/stored. **Connection**

Replaces filler/breather cap with versatile connection. Fits standard NPT and BSP.

3. Dimensions

Туре	Height in mm	Diameter in mm
DC-BB	99.06	- 64,0
DC-1	134.9	
DC-2	155.6	104,1
DC-3	206.4	
DC-4	257.3	

4. Technical Data

DC-2 to DC-4

Temperature range:	-29 °C to +93 °C (other temperature ranges on request)
Housing material: Cover Shell Center tube	Polycarbonate Polycarbonate, clear Nylon material
Filter material: Oil Mist Collector Filter media Moisture Absorbent Secondary Filter Media	Polyurethane foam Polyester filter media Silica gel Polyester fleece
Filter effiency: all	3 µm absolute
Connection threat: DC-BB and DC-1	3/""

max. max. air flow at water 1 psid/69 mbar retention Order [l/min] [ml] numbers Туре DC-BB OLELUB090 28 198 OLELUB091 OLELUB092 DC-1 60 DC-2 142 DC-3 510 264 OLELUB093 DC-4 OLELUB094 424

ئ» "1 (fits NPT, BSP or BSPP threads)