

This operations and maintenance manual contains information to the tank breather filters BFD 98-130. They are made for air filtration in case of change of the filling volume in the liquid tank. They prevent the penetration of solid particles as well as air humidity from the ambient air into the hydraulic fluid. The incoming air first passes the Silica-Gel-Granulate for drying. Afterwards the dried air flows through a glass fiber element for separation of the solid particles.

### **1. Safety instructions**



Prior to operating the filter, operation and maintenance instructions need to be read carefully. Failure to follow these instructions implies various risks and endangerment of life and the physical condition of the operator. Eaton does not assume liability for any damage that occurs to due misuse of equipment.



When actions are executed differently as described, the safety of the breather filter is not warranted. The operating parameters in the data sheet must be followed in any case. Deviations from these parameters can lead to damages of the breather filter.

To ensure proper fit and function, only use Eaton spare parts.

### **2. Installation**

The breather filters should be installed vertically. There are different connection possibilities. Optional also a filter minder is available. The connection measurements, connection possibilities and options are described on the data sheet 6003. Pay attention to the thread connection between the breather filter and the tank which should be sealed in case of need with a sealing material like Loctite.

### **3. Commisioning**

Before commisioning the breather filter must be inspected for completeness and cleanliness. Furthermore the seal at the bottom side of the breather filter (air inlet side) must be removed.

### **4. Change of Silica-Gel-Granulate**

The saturation level respectively the absorbed humidity are indicated with a colour change of the indicator granulate. The colour changes from red to orange.



Active



Change

The granulate is completely exchangeable, not toxic and not carcinogen.

The change of the granulate is made like the following:

1. The spin-on cartridge has to be unscrewed of its fastening thread
2. Discharge old, wasted granulate
3. Fill in new granulate
4. Screws the spin-on cartridge again hand-tight

During the change pay attention that no dirt comes into the tank inlet, and the spin-on cartridge and the granulate are not contaminated with dirt.

### **5. Change of element**

The breather filters are equipped with spin-on cartridges. The spin-on cartridge has to be unscrewed of its fastening thread and replaced by a new cartridge and then screwed hand-tight. The cartridges are not cleanable.

During the change pay attention that no dirt comes into the tank inlet, and the spin-on cartridge and the granulate are not contaminated with dirt.

### **6. Spare parts**

Spare parts are described on the data sheet 6003.

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