

1. Fields of Application

The breather filters of the series NBF, BF-WP, BF, EBF and TBF are tank breather filters. They are made for air filtration in case of change of the filling volume of the liquid tank. These filters prevent the penetration of contamination from the ambient air in the hydraulic fluid.

In addition, some breather filters are equipped with a filler filter. So when filling the tank only coarse contamination can be retained.

For filters being used in hazardous locations the Eaton documentation N° 41269 "Supplementation of the Operating Manual for the use of filters in potential explosive areas.

2. Installation

The installation position of the breather filter with a filling filter is vertical. A breather filter without filling filter can be installed in any position if its entrance to the tank should not be used for filling. The connection sizes of the breather filters can be taken from the corresponding data sheet.

Pay attention to the thread connection between the breather filter and the tank which should in case of need be sealed with a sealing material like Loctite (penetration of another fluid like water).

3. Initiation

Before any initiation the filter must be controlled of completeness and cleanliness (filter elements, sealing elements).

4. Change of elements

Change of elements for breather filters of the series NBF

- Releasing and removal of the wing screw
- Removal of the protection cap and the contaminated filter elements
- Setting in of the new filter element and placing of the protection cap
- Screwing in and tightening of the wing screw (finger tight fastening)

Change of elements for the breather filter of the series BF-WP

These filters are equipped with spin-on cartridges.

The spin-on cartridge has to be unscrewed of its fastening thread, replaced by a new cartridge and then fastened finger tight.

The filters of the series EBF, TBF and BF are complete filters which can be changed completely and mounted according to the mounting instructions.

During the change of the filter elements or filters one has to take care that no dirt comes into the tank inlet and that the filter element respectively the filter or the spin-on cartridge is not contaminated by dirt.

5. Cleaning of the filter elements

Filter elements and spin-on cartridges are not to be cleaned.

The filling filters of the filters NBF, BF-WP and EBF can be cleaned by usual solvents and by blowing through with air after dismounting the tank.

6. Measuring connections

A measuring connection is only foreseen for the breather filter BF-WP which can be equipped with a user-specific measuring instrument.