

### **1. Mounting and Operating Instructions**

Our Reservoir-mounted return line filters type TEF have pipe thread connections up to type TEF 320, the filter type TEFB up to TEFB 310. From size TEF 425 with SAE-flange connections, in doing so generally, the counter flange for direct welding - in for the connection pipe will be supplied by us.

Flowing-through of the filter element will be from outside to inside, so that maintenance of the filter element is relatively easy. Where filters are equipped with clogging indicators of visual or electrical type, cleaning intervals will be given by this equipment. If this is not so, the first maintenance should take place after 10 hours of operation starting-up. Further cleaning periods for the filter element may be determined according to the degree of pollution. The filters of the series TEFB have in additional a breather filter for the air-connection of the tank.

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

### **2. Servicing Instructions**

Basically, there are two types of our filter elements

- A) throw-away elements Interpor-fleece or paper-fleece
- B) cleanable wire-mesh (inox) filter elements

Principally, the cover of the top part the filter housing must be removed when maintaining the filter element. Following this, the filter element will be taken from the installation, together with the filter bowl and the unfiltered oil must be emptied.

Where the throw-away filter element is concerned, the filter element will just be replaced by a new one.

The maintenance of the wire-mesh filter elements according to the following cleaning recommendation.

First of all, the outer rough dirt should be washed down with conventional detergents as far as possible. After this initial cleaning, the filter element should be dipped into clean cleaning liquid and turned around in it, to allow the dirt, deposited on the surface, to loosen. Then blow filter element through with compressed air from inside to outside.

This cleaning process (flushing and blowing through) is to be repeated surface until of the element does not show any dirt anymore or the cleaning liquid remains clean.

It is important to be observed during the cleaning process that no dirt particals get into the inside of the element (clean-Oil side). Furthermore, it must be observed that filter mesh must not be damaged due to improper handling.

For changing the air-filter element, the wire clamp is fold up, the plastic-cap is removed and the dirty air-filter element taken out, replaced by a new air-filter element and locked with the plastic-cap and the wire clamp.

Air filter elements can't be used twice.

The sealing of the air-filter elements is effected through the sealings that are integrated in the elastic end caps.