

# FDM SERIES

Modular in-line high pressure filters



## USER TIPS



- 1 FILTER HEAD
- 2 INDICATOR PORT
- 3 MOUNTING INTERFACE
- 4 FILTER ELEMENT
- 5 FILTER BOWL
- 6 SEAL KIT
- 7 IDENTIFICATION LABEL
- 8 INDICATOR PLUG

### INDICATOR TIGHTENING TORQUE

90 Nm

### BOWL TIGHTENING TORQUE

FDM D108

FDM D111-12

70 Nm

### SPARE SEAL KIT PART NUMBER (6)

	NBR	FKM
FDM D108	06.021.00154	06.021.00124
FDM D111-12	06.021.00155	06.021.00125

## WARNING

- ⚠ Make sure that Personal Protective Equipment (PPE) is worn during installation and maintenance operation.

## DISPOSAL OF FILTER ELEMENT

- ⚠ The used filter elements and the filter parts dirty of oil are classified as "Dangerous waste material": they must be disposed according to the local laws by authorized Companies.

## INSTALLATION

- ⚠ 1. The filter head (1) must be properly mounted, facing correctly the corresponding components interface.
- 2. Secure the filter head (1) between valve and block, through the dedicated fixing holes.
- 3. Enough space must be available for filter element replacement.
- 4. The visual clogging indicator must be in a easily viewable position.
- 5. When an electrical indicator is used, make sure that is properly wired.
- ⚠ 6. Never run the system with no filter element fitted.
- ⚠ 7. Keep in stock a spare FILTREC filter element for timely replacement when required.
- 8. Filter housing should be earthed.

## OPERATION

- ⚠ 1. The filter must work within the operating conditions of pressure, temperature and compatibility given in the first page of this data sheet.
- 2. The filter element must be replaced as soon as the clogging indicator signals at working temperature (in cold start conditions, oil temperature lower than 30°C, a false alarm can be given due to oil viscosity).
- 3. If no clogging indicator is mounted, replace the element according to the system manufacturer's recommendations.

## MAINTENANCE

- ⚠ 1. Make sure that the system is switched off and there is no residual pressure in the filter.
- 2. Unscrew the bowl (5) by turning it anti-clockwise and remove it.
- 3. Remove the dirty element (4).
- 4. Fit a new FILTREC element (4), verifying the part number, particularly concerning the micron rating; open its plastic protection on the open-end side and insert it onto the spigot in the filter head, then remove completely the plastic protection.
- 5. Clean the bowl carefully; check condition of O- rings (6) and replace them if necessary.
- 6. Lubricate the bowl's thread (5) and screw it by hand into the filter head (1) by turning it clockwise.
- 7. Screw in the bowl to stop.
- ⚠ 8. The used filter elements cannot be cleaned and re-used.