

FDD040 SERIES

Duplex low pressure filters

Sizes 040 to 400 according to DIN 24550



USER TIPS



INDICATOR TIGHTENING TORQUE

50 Nm

SPARE SEAL KIT PART NUMBER

	NBR
XD040-063-100	06.021.00322
XD160-250-400	06.021.00324

BOWL TIGHTENING TORQUE

screw up filter bowl till end

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 IN and OUT ports must be connected to the hoses in the correct flow direction (an arrow shows on the filter head (1)).
2. The filter housing should be preferably mounted with the bowl (6) downward.
3. Secure to the frame the filter head (1) using the threaded fixing holes (3).
4. Verify that no tension is present on the filter after mounting.
5. Enough space must be available for filter element replacement.
6. The visual clogging indicator must be in a easily viewable position.
7. When a electrical indicator is used, make sure that it is properly wired.
8. Never run the system with no filter element fitted.
9. Keep in stock a spare FILTREC filter element for timely replacement when required.
10. 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. Operate and hold pressure equalizing lever located behind switching lever. Pull catch knob and swivel switching lever. Engage the catch on the clear filter side. Place through or drip pan underneath to collect leaving oil.
2. Loosen vent screw of the filter side not in use by 2-3 turns; max. until contact is made with the safety stop.
3. Unscrew filter bowl by rotating same counter-clockwise and clean with a suitable medium.
- Warning: The shift lever may not, from now until the screwing back in of the filter bowl, be activated under any circumstances!
4. Remove filter element with a side-to-side motion.
5. Check O-ring on the filter bowl for damage and replace, if necessary.
6. Make sure that the order number on the spare element corresponds to the order number of the filter name-plate.
7. Lightly lubricate the threads of the filter bowl and screw into the filter head.
8. To refill the filter chamber, operate only the pressure equalizing lever (leave the switching lever arrested in its catch) long enough for the medium to emerge bubble-free from the vent bore.
9. Tighten vent screw and check filter for leaks by operating the pressure equalizing lever once again.

FDD315 SERIES

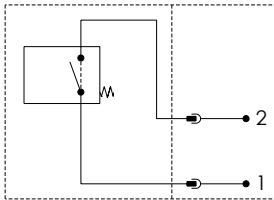
Duplex high pressure filters



FG2 - FG5 - FG8 CLOGGING INDICATORS

Max. voltage:	250 V AC / 200 V DC
Max. current:	1 A
Contact load:	70 W
Type of protection:	IP 65 in inserted and secured status
Contact type:	normally open / normally closed
Cable sleeve:	M20X1,5
Wiring box:	DIN EN 175 301-803
Setting:	2,2 bar – FG2 INDICATOR 5 bar – FG5 INDICATOR 8 bar – FG8 INDICATOR

ELECTRICAL CONNECTION SCHEME



The FG2, FG5 and FG8 are differential pressure indicators specific for FDD filter series.

These devices give both a visual and electrical alarm when the filter element clogs.

The visual alarm is provided by a red pop-up button that need to be pressed for reset after element replacement.

The electric alarm is provided with a SPST connection through a plug according to DIN EN 175301-803.

The indicator is provided in normally closed contact condition; the condition can be switched to normally open contact following the instruction below.



- 1 STATE OF DELIVERY – NORMALLY CLOSED CONTACT
- 2 REMOVE THE ELECTRIC UPPER PART
- 3 TURN BY 180° THE ELECTRIC UPPER PART
- 4 FIT THE ELECTRIC UPPER PART ON THE BASE – NORMALLY OPEN CONTACT