FDD040 SERIES

Duplex low pressure filters
Sizes 630 to 1000 according to DIN 24550

USER TIPS

1. FILTER HEAD
2. INDICATOR
3. FIXING HOLES
4. DRAIN
5. SEAL KIT
6. FILTER BODY
7. FILTER ELEMENT
8. FILTER BOWL
9. VENT

INDICATOR TIGHTENING TORQUE

50 Nm

SPARE SEAL KIT PART NUMBER (5)

	NBR
XD630-1000	06.021.00326

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 (8) upward.
3. Secure to the frame the filter head (1) using the 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. Place through or drip pan underneath to collect leaving oil. Close pressure equalization valve.
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. Remove drain plug in housing bottom and drain oil.
4. Unscrew filter bowl counter-clockwise.
Warning: The shift and equalizing levers may not, from now until the screwing back in of the filter bowl, be activated under any circumstances!
5. Lift out filter element.
6. Check seal on filter bowl. We recommend replacement in any case.
⚠ 7. Make sure that the order number on the spare element corresponds to the order number of the filter name-plate. To ensure no contamination occurs during the exchange of the element, first open the plastic bag, then push the element over the spigot in the filter head. Now remove plastic bag.
8. Push the element carefully over the spigot and tight filter bowl until full stop. Back off the filter bowl 1/8 turn.
9. Tighten drain plug housing bottom.
10. To refill the filter chamber, operate only the pressure equalizing lever, until fluid emerges bubble-free from the drain cavity.
11. Tight vent screw. Check for leckage by actuating the equalizing lever again.

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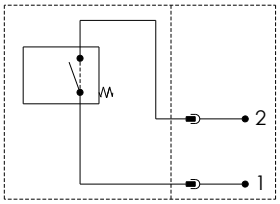
FDD315 SERIES
Duplex high pressure filters

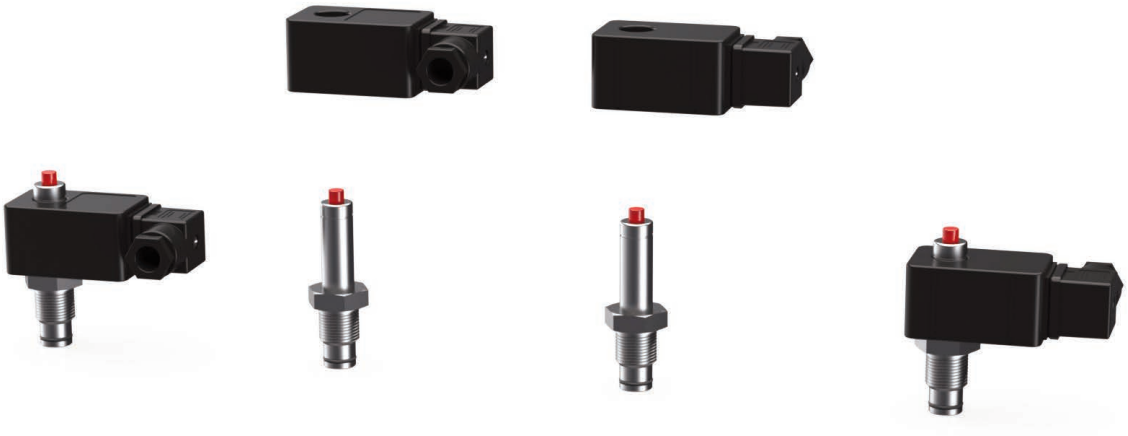
FG2 - FG5 - FG8 CLOGGING INDICATORS

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