DF 4.212

DOUBLE FILTER FOR HIGH PRESSURE

DESCRIPTION

Double changeover filter for high pressure applications

MATERIALS

Housing: CrNi-Steel
Filter hood: CrNi-Steel
Filter element: see separately available data sheet (FE A)
Seals: NBR Nitrile (FKM Fluor elastomer - on request)
Special materials on request

PRESSURE

Max. working: 1,6 MPa (16 bar) (40 bar on request)
Collapse differential pressure of the filter element 6 to 30 bar, depending on the diameter.

BYPASS VALVE

Not available

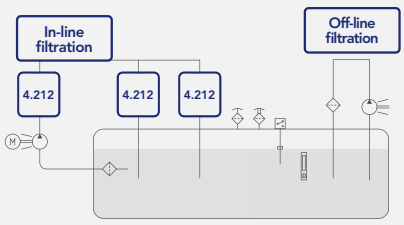
FLOW RATE

Form 60 up to 120 l/min

WORKING TEMPERATURE

From -10° to +120°C

HYDRAULIC DIAGRAM



Is this datasheet the latest release? Please check on our website.

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OREDERING AND OPTION CHART

Type code (ordering example). The type code can be found on the type plate.

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Sealing material	
V	FKM (standard)
P	NBR
Other materials on request	

Length code	
L2	Standard length
L3	50% increased filtration area (compared to L2)
Other installation lengths on request	

Filter fineness/medium	
005	optimesh® wire mesh 5µm nominal, 10µm absolute
010	optimesh® wire mesh 10µm nominal, 25µm absolute
015	optimesh® wire mesh 15µm nominal, 34µm absolute
020	optimesh® wire mesh 20µm nominal, 40µm absolute
025	optimesh® wire mesh 25µm nominal, 60µm absolute
040	optimesh® wire mesh 40µm nominal, 80µm absolute
060	optimesh® wire mesh 60µm nominal, 100µm absolute
080	precimesh® wire mesh 80µm nominal, 150µm absolute
100	precimesh® wire mesh 100µm nominal, 200µm absolute
120	precimesh® wire mesh 120µm nominal, 250µm absolute
150	precimesh® wire mesh 150µm nominal, 300µm absolute
xxx	Paper, glass fibre paper

Connection nominal diameter / installation size DN [mm]
25

Series	
DF 4.212	fluidtech® double changeover filter type 4.212

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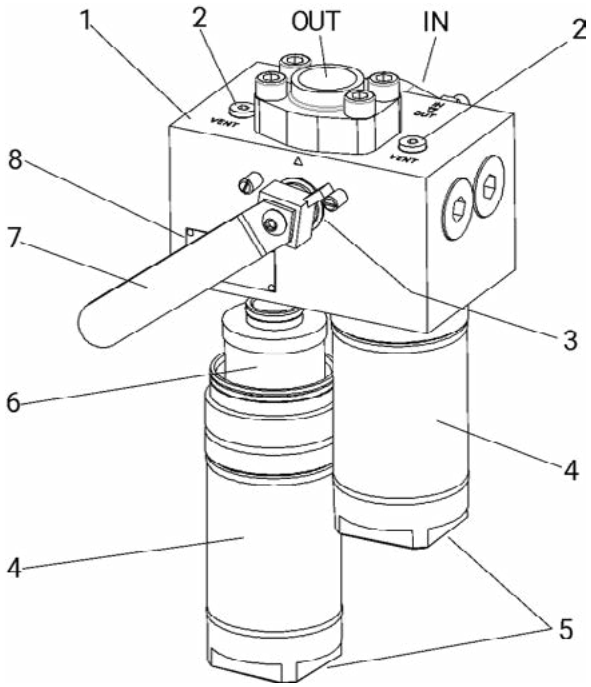
SPARE PARTS



LEGEND:

IN: Inlet Flange
OUT: Outlet Flange
1: Body
2: Vent Plug Screw (w/ gasket)
3: Rotary Slide Valve (internal)
4: Filter Hood w/ O-ring gasket
5: Drain Plug Screw (w/ gasket)
6: Filter Element w/ O-Ring gasket
7: Changeover lever, fitted to Rotary Slide Valve
8: Type Plate

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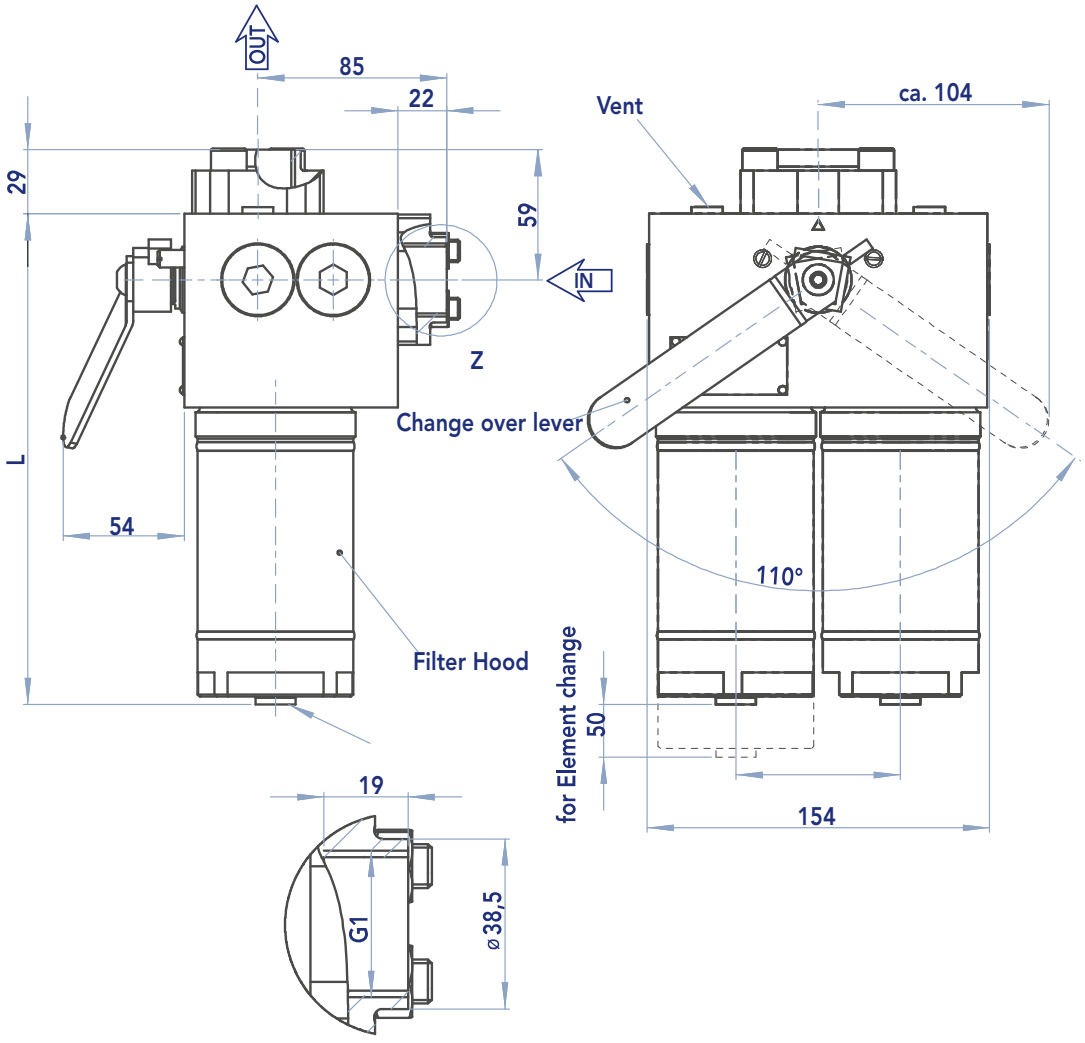
DIMENSIONS

Dimensions in mm



Lenght key	L [mm]
L2	223
L3	290

DESIGN DATA

The filter unit is designed, built and tested in compliance with the European Pressure Equipment Directive 2014/68/EU and the German Equipment Safety Law.

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WORKING PRINCIPLE

The filter is used to separate contaminant particles from the operating fluid in the hydraulic system (e.g. lubricating oil) and is designed for continuous filtration. Normally one filter chamber is in use, while the other one is in standby, filled with fluid and fitted with a clean filter element. In the event of heavy contamination of the operating element, the standby element can be manually switched to.
An overlapping changeover between the two filter chambers can ensure uninterrupted media flow. After changeover, the contaminated filter element must be removed, cleaned or replaced and reinstalled to provide a standby chamber for the next changeover

SCHEMATIC DIAGRAM