



Filters . Accumulators

Application

Filtration of pressurised liquids and lubricants.

Filtration of liquids and gases.

Direct installation in pipelines.

Direct wear protection of subsequent components and systems.

Design

Two filter housings in welded steel design, connected by a change-over valve.

Connections lying one on top of the other at the front side of the change-over valve.

Material: as per spare parts list.

Filter Element

Pleated design with optimised pleat density and various filter media. The filter element is the most important component of the filter in view of prolonged life and wear protection of the system. Oil cleanliness, the initial pressure drop and the dirt holding capacity are the most important criteria for selection.

For further detailed information please refer our "Filter Elements" brochure.

Accessories

Bypass Valve

To protect the filter element during start up and over pressurisation due to clogging.

Indicator

For monitoring the filter element's contamination status.

Vent

For removing air from filter during starting and for safe depressurisation.

Drain

For removing contamination retained in the filter housing.

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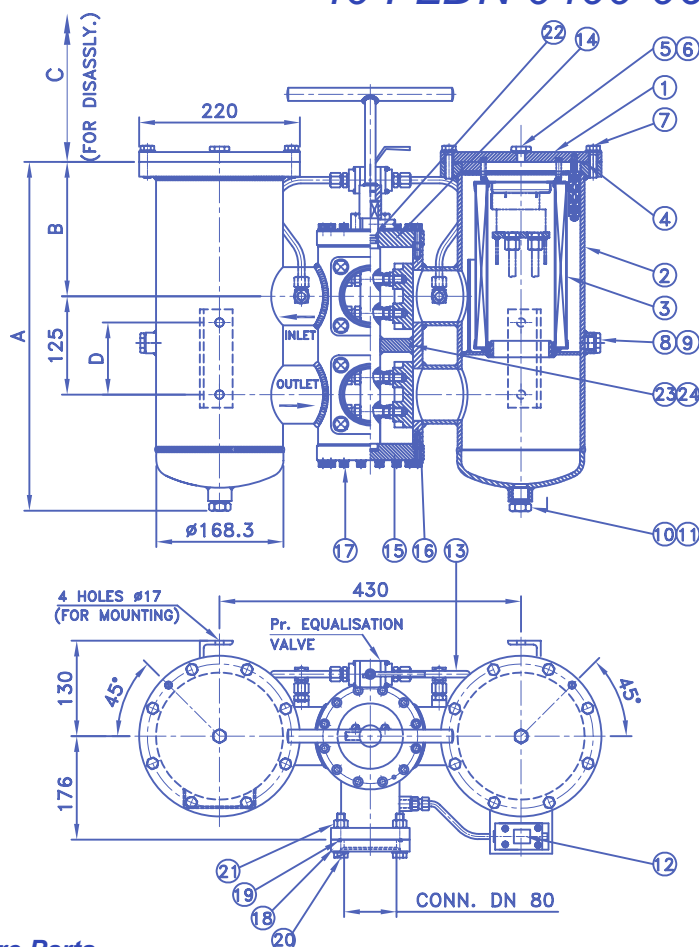
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Duplex Filter

40 FLD 0060-0120

40 FLDN 0400-0630



Spare Parts

Pos	Quantity	Designation	Material	Ordering information
1	2	Filter cover	St	Please indicate ord.inf. "Filter"
2	1	Filter housing	St	Please indicate ord.inf. "Filter"
3	2	Filter element	Various	Please indicate ord.inf. "Filter element"
4	2	O-ring	Buna N	Part. No.261
5	2	Air ventilate screw or vent valve	St	Part. No.4158
6	2	Sealing ring	Soft iron	Part.No.848
7	16	Hexagon screw	8.8	Part. No.595
8	2	Blanking plug	St	Part. No.789
9	2	Sealing ring	Soft iron	Part. No.833
10	2	Blanking plug	St	Part. No.790
11	2	Sealing ring	Soft iron	Part. No.834
12	1	Maintenance indicator	Various	Refer selection "Maintenance indicator"
13	1	Pressure equalisation line	Various	Please indicate ord.inf. "Filter"
14	1	Cover	St	Part. No.4052
15	1	Bottom	St	Part. No.4051
16	2	Sealing	IT	Part. No.1089
17	32	Hexagon socket head cap screw	8.8	Part. No.639
18	2	Counter flange	St	Part. No.4359
19	2	O-ring	Buna N	Part. No.219
20	8	Hexagon screw	8.8	Part. No.597
21	8	Hexagon nut	St	Part. No.683
22	2	O-ring	Buna N	Part. No.126
23	1	O-ring	Buna N	Part. No.235
24	1	Guide ring	PTFE	Part. No.4044

Dimensions

Type	Capacity in l	Weight in kg ¹⁾	A	B	C ²⁾	D
40 FLD 0060	2x8	84	485	205	270	110
40 FLD 0095	2x11	86	635	355	420	110
40 FLD 0120	2x18	99	992	712	780	250
40 FLDN 0400	2x8	84	485	205	270	110
40 FLDN 0630	2x11	86	635	355	420	110

1)= Weight including standard filter element and maintenance indicator

2)= Construction dimension for filter element change



Ordering Information

Special designs available on request.

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Special designs available on request.

Filter Type

FLD= Duplex Filter with EPE standard filter element

FLDN= Duplex Filter with filter element acc.to DIN 24550

Magnet

0 = without

Maintenance Indicator

0 = without

A.. = visual indicator

B.. = combined visual/electrical Indicator with electric plug

D.. = combined visual/electrical indicator with signal lights and two switching points

Standard switch pressure 2,5 bar

See illustrations of maintenance indicator for detailed information and technical data.

Connection

F0 = standard

Material

0 = standard

Filter Assembly →

40

FLD

0060

H10XL

A

00

0

6

A2.5

0

F0

P

0

0

Seal Kit →

D 40

FLD

0060

-

A

-

F0

P

0

Pressure	Nominal Size	Filter Media & Filtration Grade	Diff. Pressure	Element Model	Bypass Valve	Seal	Addl. Info
40 bar	40 FLD.... 0060 0095 0120	Nominal filtration grade in µm G= stainless steel wire mesh, cleanable G10 G25 G40 G60 G80 G100 VS= bonded fabric, not cleanable VS 25 VS 40 VS 60 P= paper, not cleanable P5 P10 P25 Absolute filtration grade (ISO16889) in µm H..XL= micro glass, not cleanable H1XL H3XL H6XL H10XL H20XL AS= micro glass-fibre, water absorbing, not cleanable AS1 AS3 AS6 AS10 AS20	Maximum allowable differential pressure drop across the filter element A = 30 Bar	0.. = Standard adhesive T=100°C E.. = Special adhesive T=160°C	Opening Pressure 0 = without 6 = 3.0 Bar	P = Buna-N V = Viton E = Ethylene-Propylene N = Neoprene	0 = without A = pressure equalisation line E = Vent Valve Z = Certificates 5 = Silicon free
Filter Element	40 FLDN.... 0400 0630			..0 = Standard material ..V = stainless steel 1.4571	For Filter Element always 0		5 = Silicon free Z = Certificates
Type:	1.						

Filter Element →

1.

0060

H10XL

-

A

00

-

0

P

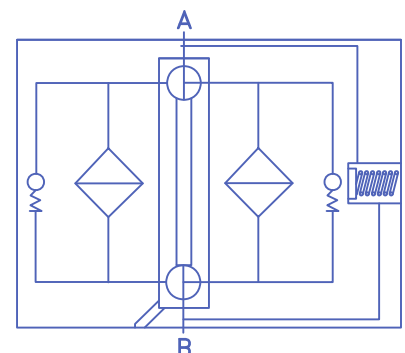
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Maintenance Indicator

Maintenance indicators used for monitoring the filter element's contamination status. They are available as visual/electrical indicators. For technical data refer our brochure "Maintenance Indicators".

A...Optical	B.... Optical/electrical	D... Optical/electrical with three 24 V diodes and two switch points
Ordering information A2,5 = F2,5 A0 00 00P* A5,0 = F5, 0 A0 00 00P*	Ordering information B2,5 = F2,5 GW 02 00P* B5,0 = F5,0 GW 02 00P*	Ordering information D2,5 = R2,5 GW 09 ZOP* D5,0 = R5,0 GW 09 ZOP*
	Switch Symbol 	Switch Symbol

Filter Switching Symbol



* Buna N / Nitrile, V = Viton, E = Ethylene propylene; N = Neoprene possible