



4.225

DOUBLE CHANGEOVER FILTER

DESCRIPTION

Double Changeover Filter with sideways arrangement and 90° connection

MATERIALS

Housing, switchover element and hoods: GK-Al Aluminium
Bypass valve: n.a.
Seals: NBR Nitrile (FKM Fluor elastomer - on request)
Filter elements: see separately available data sheet (Filter elements Type B)
Differential pressure indicator housing: AISi 10 (Mg) hard-coated
Special materials upon request

PRESSURE

Max. working: 1,6 MPa (16 bar)
Collapse differential pressure of the filter element 14 bar

FLOW RATE

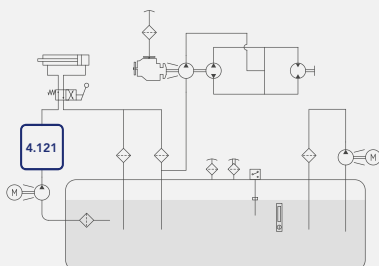
From 30 to 70 l/min depending on the specification

WORKING TEMPERATURE

From -10° to +120°C



HYDRAULIC DIAGRAM

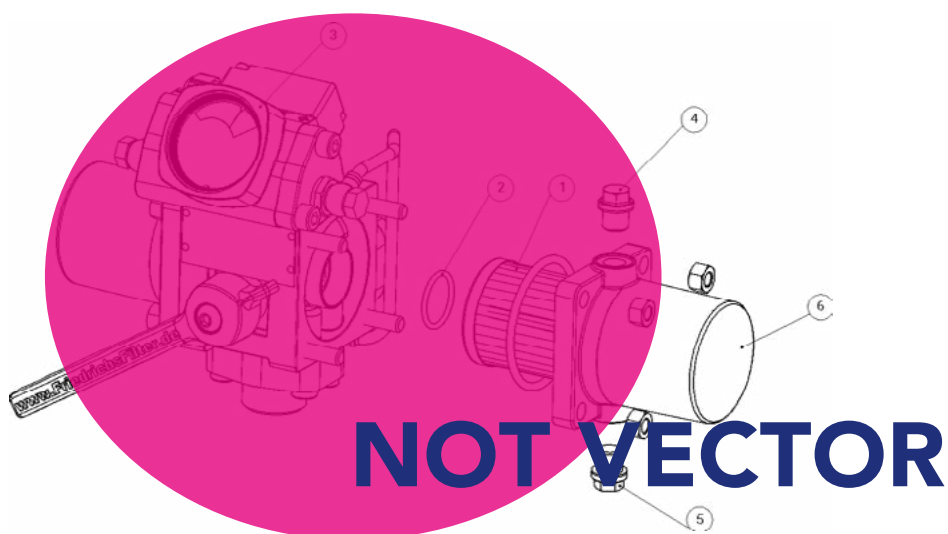


Is this datasheet the latest release? Please check on our website.

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SPARE PARTS



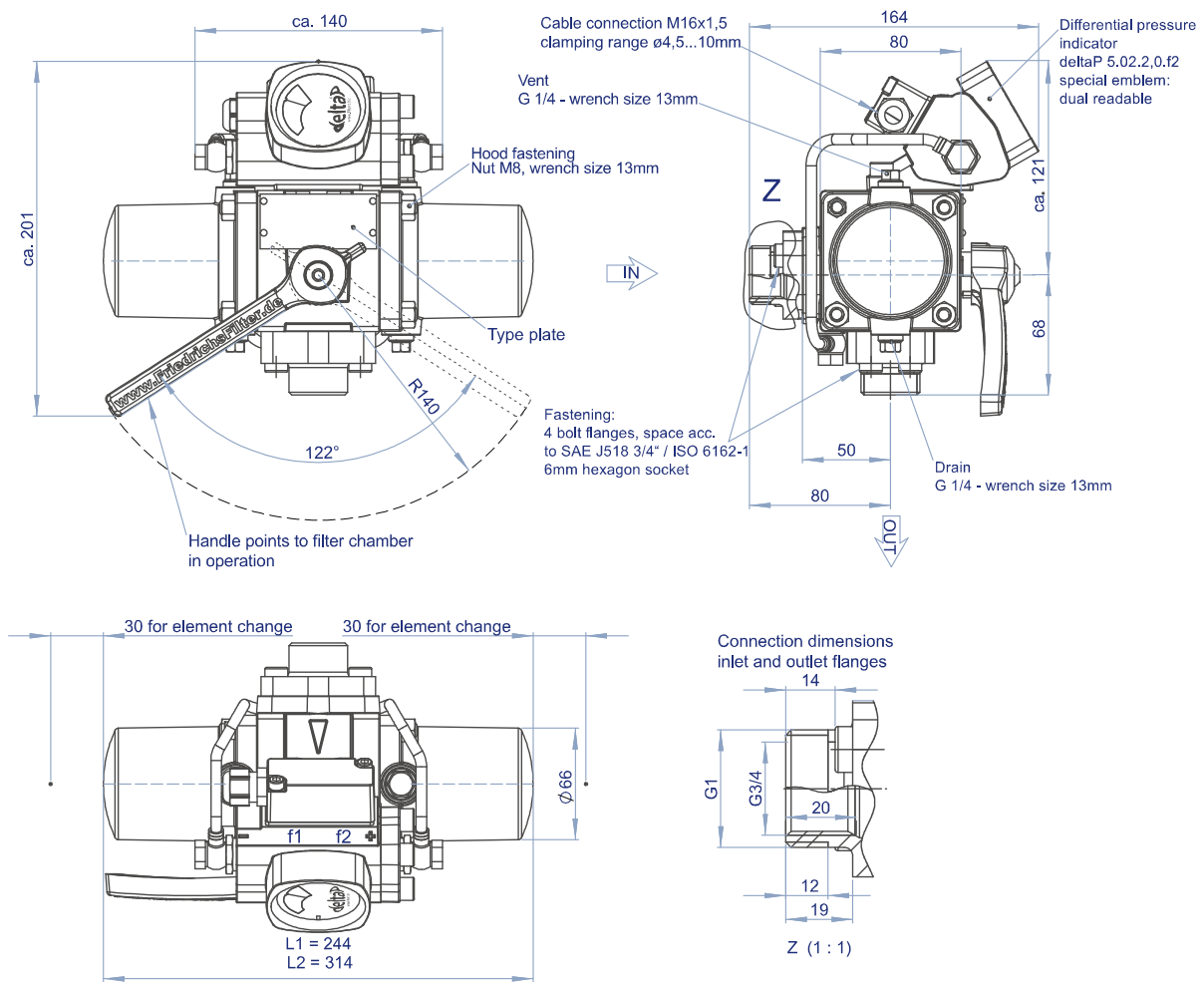
Pos.	Description	Quantity	DN20
1	Filter element	2	Order no. written on the filter element
2	Gasket for filter element	1	no.120
3	Differential pressure indicator	1	Type, measuring range and switch from display to specify
4	Vent screw	2	DIN 910 – G1/4
5	Drain screw	2	DIN 910 – G1/4
6	Filter hood	2	L1 or L2 to specify (Standard L1)
7*	Gasket set NBR	1	Order no: 135321
7.1*	Gasket set FPM	1	Order no: 137928

*not depicted

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DIMENSIONS



FILTER DATA

DN	Length code	Flow rate* V [l/min]	Filter area per filter element [cm ²]	Weight of empty filter incl. filter elements [kg]
20	L1	70	434	3.2

*applies for recommended max. flow speed of 3m/s at the nominal width.

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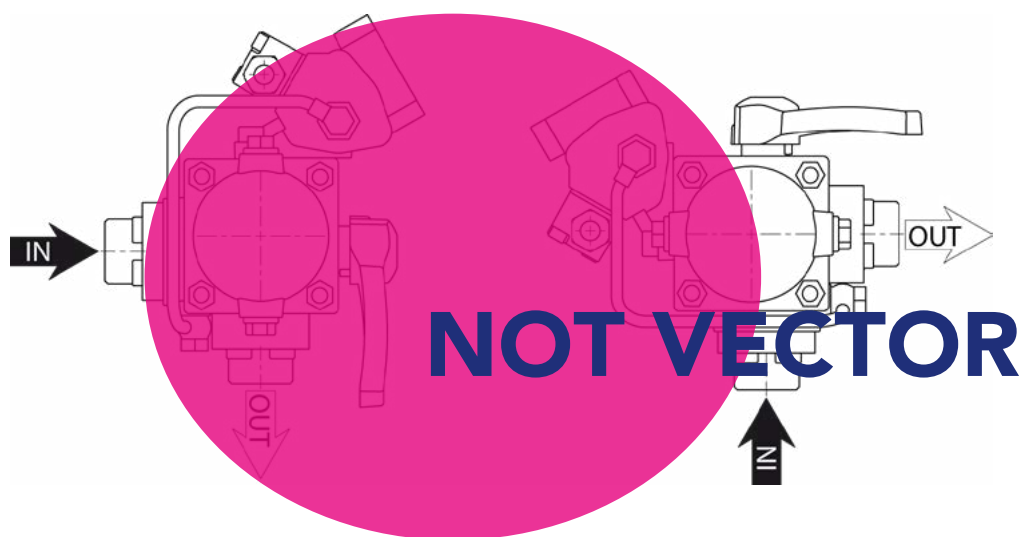
DESIGN DATA

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

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.

INSTALLATION DRAWING



The differential pressure indicator can be read in both installation positions. Fastening only takes place by means of the flanges at the connection pipes. A separate fastening to the housing is not provided for.

SCHEMATIC DIAGRAM

