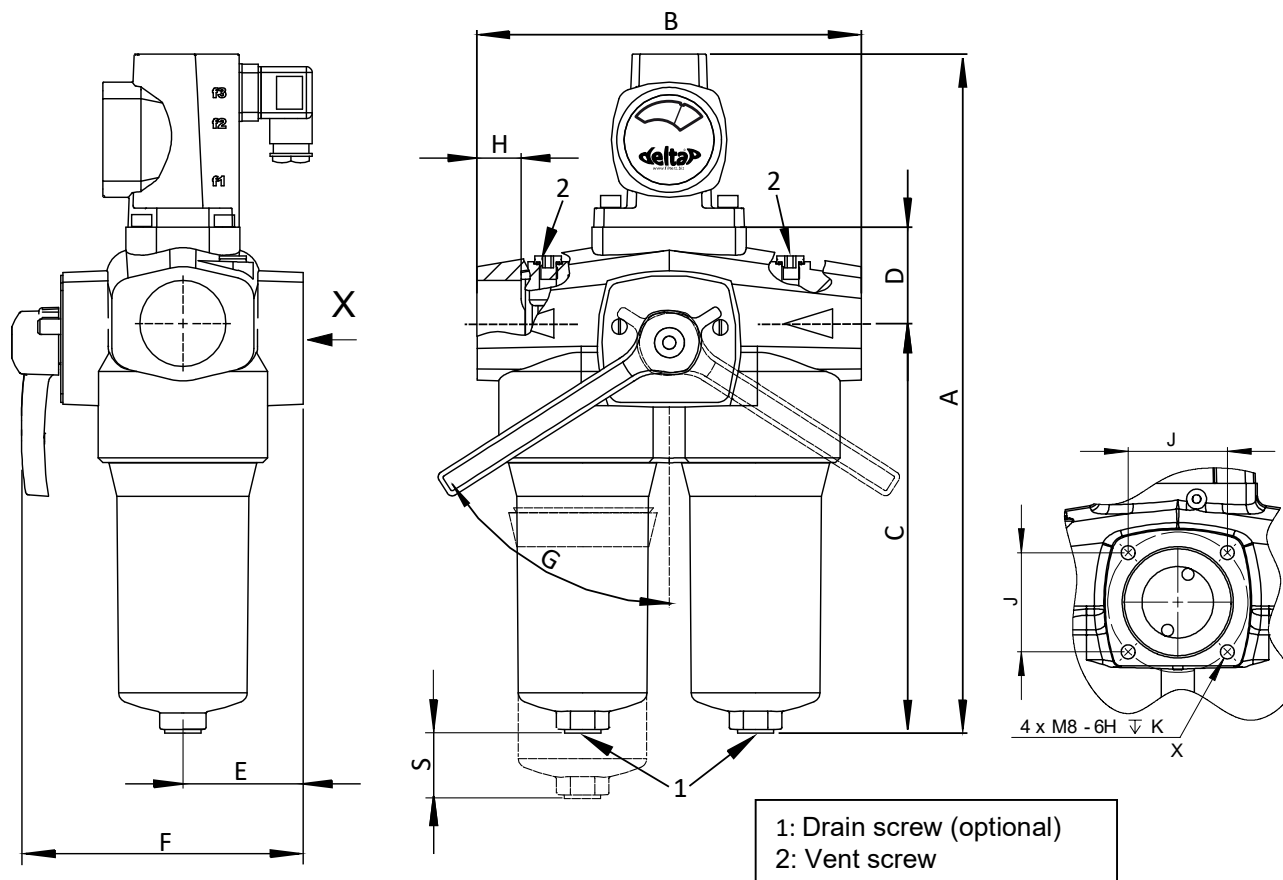


# Series 4.222

## Technical Data Sheet



### Dimensions



### Connection dimensions

	DN25	DN40	DN50/65
connection	Thread G1 ½ (Standard) for flange SAEJ518DN25-3 (optional)	for flange SAEJ518DN51-3	for flange SAEJ518DN64-3
Hole	26,2 x 54,4	42,9 x 77,8	50,8 x 88,9
Thread	M10x20	M12x24	M12x24

\*Standard

### Filter dimensions

DN	Model	Flow rate* Q [l/min]		A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [°]	H Thread depth [mm]	J [mm]	K [mm]	S≈ [mm]	Mass [kg]
		B1	B2												
25	L2	-	65	351	200	211	50	62.5	153	57.5°	25	50	10	60	9
25	L3	-	90	418	200	278	50	62.5	153	57.5°	25	50	10	60	10
40	L2	150	230	500	280	333	77	85	227	57.5°	N/A	60	12	70	19
50/65	L2	290	-	517	300	339	87.5	93.5	248	60°	N/A	65	12	70	21.5
50/65	L3	-	360	635	300	463	87.5	93.5	248	60°	N/A	65	12	70	24.9

\*These specifications refer to the oil medium ISO VG 460 with a grade filtration of 25µm. Pressure loss Δp ca. 0,6bar at clean conditions.

# Series 4.222

## Technical Data Sheet



### Description

The filter is used to separate foreign particles from the particular medium (e.g. lubricating oil) and is designed for continuous filtration.

As a rule one filter chamber is operating while the other one stands full of liquid and has a clean filter element in reserve. If the operating filter element is very soiled, you can manually switch to the reserve filter element. An overlapping changeover between the two filter chambers ensures a continuous media flow.

After the changeover the soiled filter element must be removed, cleaned or replaced and re-inserted so that a reserve chamber is available for the next changeover process.

### 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.

DN	Installation length code	Smallest flow cross-section [mm]	Total volume [dm <sup>3</sup> ]
25	L2	∅ 23.20	1.40
25	L3	∅ 23.20	2.00
40	L2	∅ 39.80	4.70
50/65	L2	∅ 49.10	7.10

Alternative installation lengths, with different sieve lengths on request.

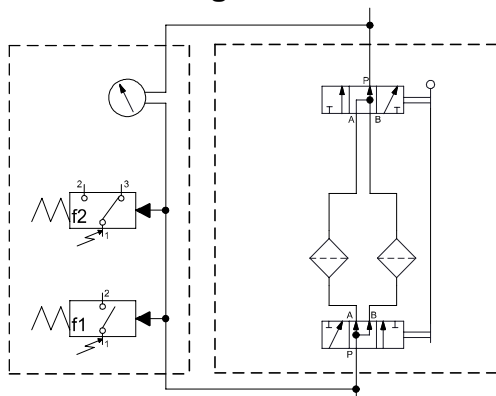
- Operating pressure: max. 16 bar (40 bar on request)
- Admissible operating temperature: -10 .. +120°C (fluid temperature when free of water content)
- Admissible environment temperature: +1 .. +80°C (transport / storage)  
-10 ... +80°C (operational)

Environment and medium must not have a negative influence on the materials used!

### Materials

- Housing: EN-GJL-250
- Filter hood: GK-AlSi12 (Cu)
- Filter element: see data sheet available separately (Filterelemente\_TypeA--TDB)
- Differential pressure indicator: see data sheet available separately (5.22-TDB)
- Seals: NBR (alternatively FKM)
- Special materials on request

### Schematic diagram



fluidtech® Double Changeover Filter

# Series 4.222

## Technical Data Sheet



### Type code (order example)

The type code can be found on the type plate.

DF 4.222 - A50 - 060 - L2 - V - RL - 5.22-2.0

<b>deltaP® differential pressure indicator</b>	
5.22-2.0	In their standard version the filters feature a deltaP® differential pressure indicator type 5.22 (the designation can be found in the separate data sheet). Other deltaP® types on request - please request our brochure.
<b>Direction of flow</b>	
RL	Flow from right to left
LR	Flow from left to right
<b>Sealing material</b>	
P	NBR (standard)
V	FKM
Other materials on request	
<b>Installation length code</b>	
L2	Standard installation length all sizes (cast aluminium filter hoods)
L3	Installation length currently available for DN 25 (cast aluminium filter hoods)
Other installation lengths on request (welded filter hoods)	
<b>Filter mesh/medium</b>	
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
<b>Connection nominal diameter / installation size DN [mm] Typ A</b>	
25 / 40 / 50	
<b>Series</b>	
DF 4.222	fluidtech® double changeover filter type 4.222

fluidtech® Double Changeover Filter

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