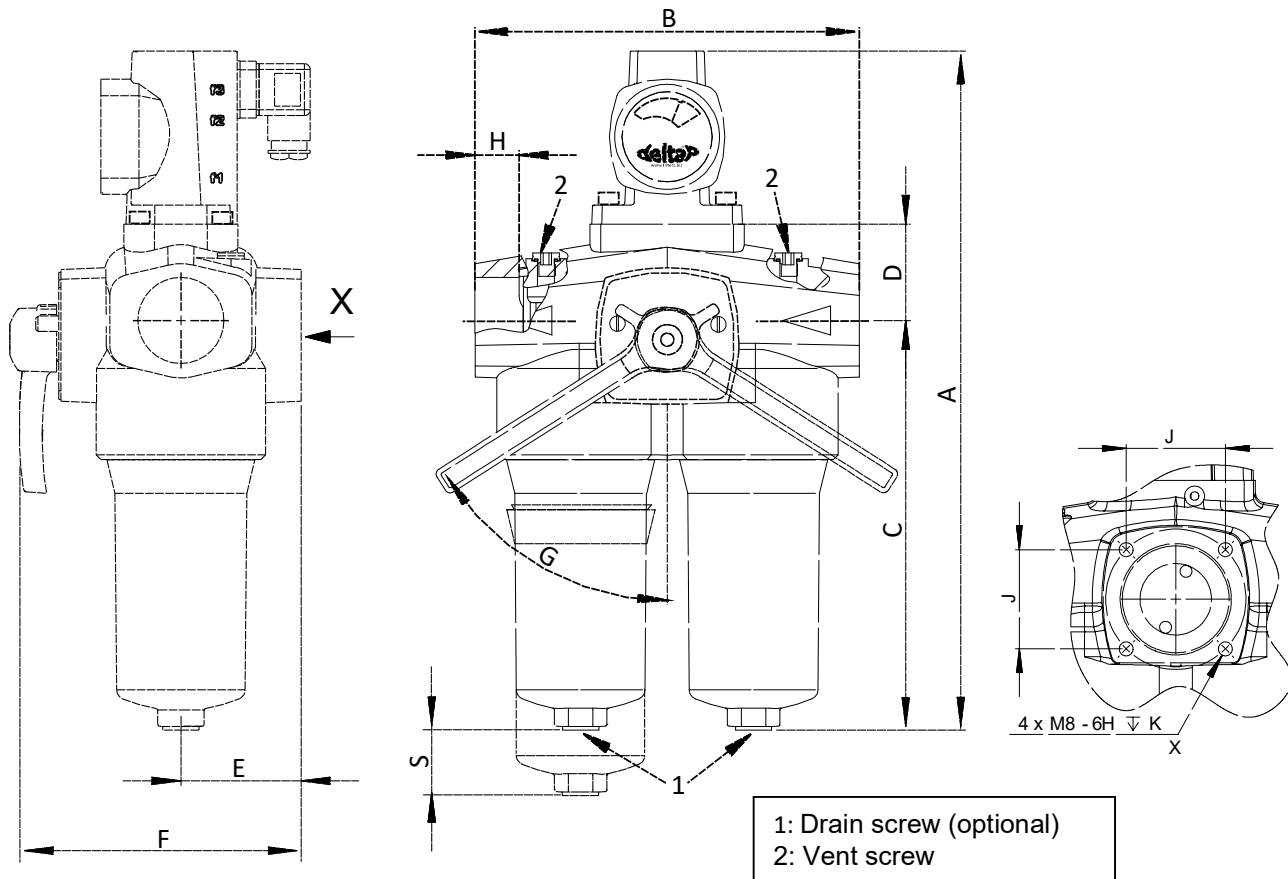


Series 4.222

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 ³] |
|-------|--------------------------|----------------------------------|---------------------------------|
| 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.

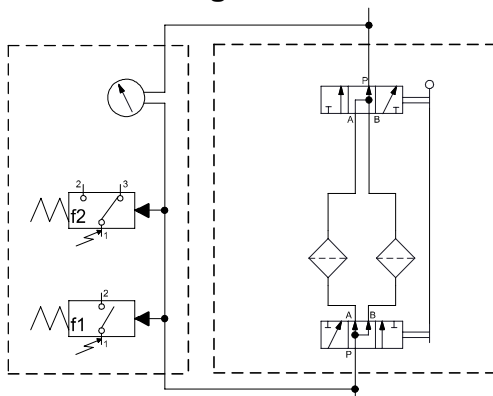
- Operating pressure: max. 16 bar (40 bar on request)
- Admissible operating temperature: -10 .. +120°C (fluid temperature when free of water content)
- Admissible environment temperature: +1 .. +80°C (transport / storage)
-10 ... +80°C (operational)

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



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

| | |
|--|--|
| deltaP® differential pressure indicator | |
| 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. |
| Direction of flow | |
| RL | Flow from right to left |
| LR | Flow from left to right |
| Sealing material | |
| P | NBR (standard) |
| V | FKM |
| Other materials on request | |
| Installation length code | |
| 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) | |
| Filter mesh/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] Typ A | |
| 25 / 40 / 50 | |
| Series | |
| DF 4.222 | fluidtech® double changeover filter type 4.222 |

fluidtech® Double Changeover Filter

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