

SF2 250-350 series

Flow rate up to 160 l/min



FILTER SIZING

The correct filter sizing have to be based on the variable pressure drop depending by the application. For example, for the return filter the pressure drop have to be in the range 0.4 - 0.6 bar.

The pressure drop calculation is performed by adding together the value of the housing with the value of the filter element. The pressure drop in the housing is proportional to the fluid density (kg/dm^3); all the graphs in the catalogue are referred to mineral oil with density of $0.86 \text{ kg}/\text{dm}^3$.

The filter element pressure drop is proportional to its viscosity (mm^2/s), the corrective factor Y is related to an oil viscosity different than $30 \text{ mm}^2/\text{s}$.

Sizing data for single cartridge, head at top

Δp_c = Filter housing pressure drop [bar]

Δp_e = Filter element pressure drop [bar]

Y = Multiplication factor Y (see correspondent table), depending on the filter element size, on the filter element lenght and on the filter media

Q = flow rate (l/min)

V1 reference viscosity = $30 \text{ mm}^2/\text{s}$ (cSt)

V2 = operating viscosity in mm^2/s (cSt)

$\Delta p_e = Y : 1000 \times Q \times (V2/V1)$

$\Delta p_{\text{Tot.}} = \Delta p_c + \Delta p_e$

Calculation examples with HLP Mineral oil Variation in viscosity

Application data:

Top tank return filter

Filter with in-line connections

Pressure $P_{\text{max}} = 10 \text{ bar}$

Flow rate $Q = 120 \text{ l}/\text{min}$

Viscosity $V_2 = 46 \text{ mm}^2/\text{s}$ (cSt)

Oil viscosity = $0.86 \text{ kg}/\text{dm}^3$

Required filtration efficiency = $25 \mu\text{m}$ with absolute filtration

With bypass valve and $1 \frac{1}{4}$ " inlet connection

From the working pressure and the flow rate we understand it should be possible using the following top tank return filter series: MPT, MPH and FRI. Let's proceed with MPT series.

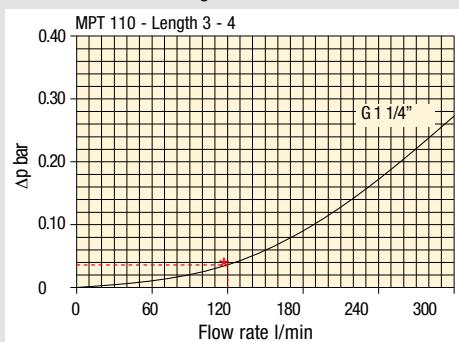
The size 20 doesn't achieve the required flow rate, therefore we have to consider the size 100. The final version of size 100 (101, 104, 110, 120 and 114) will be then defined in function of the mounting characteristics.

$\Delta p_c = 0.03 \text{ bar}$ (★ see graphic below, considering size 100 with the max available lenght to get the lowest pressure drop)

$\Delta p_e = (2.0 : 1000) \times 120 \times (46/30) = 0.37 \text{ bar}$

$\Delta p_{\text{Tot.}} = 0.03 + 0.37 = 0.4 \text{ bar}$

The selection is correct because the total pressure drop value is inside the admissible range for top tank return filters. It is of course possible trying to find a different solution, according to the mounting position or to other commercial need, repeating the previous steps while using a different series or lenght.



Filter housings Δp pressure drop.

The curves are plotted using mineral oil with density of $0.86 \text{ kg}/\text{dm}^3$ in compliance with ISO 3968. Δp varies proportionally with density.

Corrective factor

Corrective factor Y, to be used for the filter element pressure drop calculation.

The values depend to the filter size and lenght and to the filter media.

Reference viscosity $30 \text{ mm}^2/\text{s}$

Return filters

| Filter element | Absolute filtration H Series | | | | | Nominal filtration N Series | | | |
|---------------------------------|---------------------------------|-------|-------|-------|-------|--------------------------------|------|------|----------------|
| | Type | A03 | A06 | A10 | A16 | A25 | P10 | P25 | M25 M60 M90 |
| MF 020 | 1 | 74.00 | 50.08 | 20.00 | 16.00 | 9.00 | 6.43 | 5.51 | 4.40 |
| | 2 | 29.20 | 24.12 | 8.00 | 7.22 | 5.00 | 3.33 | 2.85 | 2.00 |
| | 3 | 22.00 | 19.00 | 6.56 | 5.33 | 4.33 | 1.68 | 1.44 | 1.30 |
| MF 030 MFX 030 | 1 | 74.00 | 50.08 | 20.00 | 16.00 | 9.00 | 6.43 | 5.51 | 3.40 |
| MF 100 MFX 100 | 1 | 28.20 | 24.40 | 8.67 | 8.17 | 6.88 | 4.62 | 3.96 | 1.25 |
| | 2 | 17.33 | 12.50 | 6.86 | 5.70 | 4.00 | 3.05 | 2.47 | 1.10 |
| | 3 | 10.25 | 9.00 | 3.65 | 3.33 | 2.50 | 1.63 | 1.32 | 0.96 |
| | 4 | 6.10 | 5.40 | 2.30 | 2.20 | 2.00 | 1.19 | 0.96 | 0.82 |
| MF 180 MFX 180 | 1 | 3.67 | 3.05 | 1.64 | 1.56 | 1.24 | 1.18 | 1.06 | 0.26 |
| MF 190 MFX 190 | 2 | 1.69 | 1.37 | 0.68 | 0.54 | 0.51 | 0.43 | 0.39 | 0.12 |
| | 1 | 1.69 | 1.37 | 0.60 | 0.49 | 0.44 | 0.35 | 0.31 | 0.11 |
| MF 400 MFX 400 | 1 | 3.20 | 2.75 | 1.39 | 1.33 | 1.06 | 0.96 | 0.87 | 0.22 |
| | 2 | 2.00 | 1.87 | 0.88 | 0.85 | 0.55 | 0.49 | 0.45 | 0.13 |
| | 3 | 1.90 | 1.60 | 0.63 | 0.51 | 0.49 | 0.39 | 0.35 | 0.11 |
| MF 750 MFX 750 | 1 | 1.08 | 0.84 | 0.49 | 0.36 | 0.26 | 0.21 | 0.19 | 0.06 |
| CU 025 | | 78.00 | 48.00 | 28.00 | 24.00 | 9.33 | 9.33 | 8.51 | 1.25 |
| CU 040 | | 25.88 | 20.88 | 10.44 | 10.00 | 3.78 | 3.78 | 3.30 | 1.25 |
| CU 100 | | 15.20 | 14.53 | 5.14 | 4.95 | 2.00 | 2.00 | 0.17 | 1.10 |
| CU 250 | | 3.25 | 2.55 | 1.55 | 1.35 | 0.71 | 0.71 | 0.59 | 0.25 |
| CU 630 | | 1.96 | 1.68 | 0.85 | 0.72 | 0.42 | 0.42 | 0.36 | 0.09 |
| CU 850 | | 1.06 | 0.84 | 0.42 | 0.33 | 0.17 | 0.17 | 0.13 | 0.04 |
| MR 100 | 1 | 19.00 | 17.00 | 6.90 | 6.30 | 4.60 | 2.94 | 2.52 | 1.60 |
| | 2 | 11.70 | 10.80 | 4.40 | 4.30 | 3.00 | 2.94 | 2.52 | 1.37 |
| | 3 | 7.80 | 6.87 | 3.70 | 3.10 | 2.70 | 2.14 | 1.84 | 1.34 |
| | 4 | 5.50 | 4.97 | 2.60 | 2.40 | 2.18 | 1.72 | 1.47 | 1.34 |
| | 5 | 4.20 | 3.84 | 2.36 | 2.15 | 1.90 | 1.60 | 1.37 | 1.34 |
| MR 250 | 1 | 5.35 | 4.85 | 2.32 | 1.92 | 1.50 | 1.38 | 1.20 | 0.15 |
| | 2 | 4.00 | 3.28 | 1.44 | 1.10 | 1.07 | 0.96 | 0.83 | 0.13 |
| | 3 | 2.60 | 2.20 | 1.08 | 1.00 | 0.86 | 0.77 | 0.64 | 0.12 |
| | 4 | 1.84 | 1.56 | 0.68 | 0.56 | 0.44 | 0.37 | 0.23 | 0.11 |
| MR 630 | 1 | 3.10 | 2.48 | 1.32 | 1.14 | 0.92 | 0.83 | 0.73 | 0.09 |
| | 2 | 2.06 | 1.92 | 0.82 | 0.76 | 0.38 | 0.33 | 0.27 | 0.08 |
| | 3 | 1.48 | 1.30 | 0.60 | 0.56 | 0.26 | 0.22 | 0.17 | 0.08 |
| | 4 | 1.30 | 1.20 | 0.48 | 0.40 | 0.25 | 0.21 | 0.16 | 0.08 |
| | 5 | 0.74 | 0.65 | 0.30 | 0.28 | 0.13 | 0.10 | 0.08 | 0.04 |
| MR 850 | 1 | 0.60 | 0.43 | 0.34 | 0.25 | 0.13 | 0.12 | 0.09 | 0.03 |
| | 2 | 0.37 | 0.26 | 0.23 | 0.21 | 0.11 | 0.08 | 0.07 | 0.03 |
| | 3 | 0.27 | 0.18 | 0.17 | 0.17 | 0.05 | 0.04 | 0.04 | 0.02 |
| | 4 | 0.23 | 0.16 | 0.13 | 0.12 | 0.04 | 0.03 | 0.03 | 0.02 |

Corrective factor Y, to be used for the filter element pressure drop calculation.

The values depend to the filter size and lenght and to the filter media.

Reference viscosity 30 mm²/s

Suction filters

| Filter element | Nominal filtration N Series | |
|----------------|-----------------------------|-----|
| | P10 | P25 |
| SF 250 | 65 | 21 |

Return / Suction filters

| Filter element | Absolute filtration | | |
|----------------|---------------------|------|------|
| | A10 | A16 | A25 |
| RSX 116 | 1 5.12 | 4.33 | 3.85 |
| | 2 2.22 | 1.87 | 1.22 |
| RSX 165 | 1 2.06 | 1.75 | 1.46 |
| | 2 1.24 | 1.05 | 0.96 |
| | 3 0.94 | 0.86 | 0.61 |

Low & Medium pressure filters

| Filter element | Absolute filtration N-W Series | | | | | Nominal filtration N Series | | |
|----------------|--------------------------------|-------|------|------|------|-----------------------------|------|------|
| | A03 | A06 | A10 | A16 | A25 | P10 | P25 | M25 |
| CU 110 | 1 16.25 | 15.16 | 8.75 | 8.14 | 5.87 | 2.86 | 2.65 | 0.14 |
| | 2 12.62 | 10.44 | 6.11 | 6.02 | 4.15 | 1.60 | 1.49 | 0.12 |
| | 3 8.57 | 7.95 | 5.07 | 4.07 | 2.40 | 1.24 | 1.15 | 0.11 |
| | 4 5.76 | 4.05 | 2.80 | 2.36 | 1.14 | 0.91 | 0.85 | 0.05 |
| CU 210 | 1 5.30 | 4.80 | 2.00 | 1.66 | 1.32 | 0.56 | 0.43 | 0.12 |
| | 2 3.44 | 2.95 | 1.24 | 1.09 | 0.70 | 0.42 | 0.35 | 0.09 |
| | 3 2.40 | 1.70 | 0.94 | 0.84 | 0.54 | 0.33 | 0.23 | 0.05 |
| DN | 016 7.95 | 7.20 | 3.00 | 2.49 | 1.98 | 0.84 | 0.65 | 0.18 |
| | 025 5.00 | 4.53 | 1.89 | 1.57 | 1.25 | 0.53 | 0.41 | 0.11 |
| | 040 3.13 | 2.66 | 1.12 | 0.98 | 0.63 | 0.38 | 0.32 | 0.08 |
| CU 400 | 2 3.13 | 2.55 | 1.46 | 1.22 | 0.78 | 0.75 | 0.64 | 0.19 |
| | 3 2.15 | 1.70 | 0.94 | 0.78 | 0.50 | 0.40 | 0.34 | 0.10 |
| | 4 1.60 | 1.28 | 0.71 | 0.61 | 0.40 | 0.34 | 0.27 | 0.08 |
| | 5 1.00 | 0.83 | 0.47 | 0.34 | 0.20 | 0.24 | 0.19 | 0.06 |
| | 6 0.82 | 0.58 | 0.30 | 0.27 | 0.17 | 0.22 | 0.18 | 0.05 |
| | CU 900 1 0.86 | 0.63 | 0.32 | 0.30 | 0.21 | - | - | 0.05 |
| CU 950 | 2 1.03 | 0.80 | 0.59 | 0.40 | 0.26 | - | - | 0.05 |
| | 3 0.44 | 0.40 | 0.27 | 0.18 | 0.15 | - | - | 0.02 |
| MR 630 | 7 0.88 | 0.78 | 0.36 | 0.34 | 0.16 | 0.12 | 0.96 | 0.47 |

FILTER SIZING Corrective factor

Corrective factor Y, to be used for the filter element pressure drop calculation.

The values depend to the filter size and lenght and to the filter media.

Reference viscosity 30 mm²/s

High pressure filters

| Filter element | Absolute filtration N - R Series | | | | | Nominal filtration N Series |
|----------------|----------------------------------|--------|--------|--------|--------|--------------------------------|
| | A03 | A06 | A10 | A16 | A25 | |
| Type | A03 | A06 | A10 | A16 | A25 | M25 |
| HP 011 | 1 332.71 | 250.07 | 184.32 | 152.36 | 128.36 | - |
| | 2 220.28 | 165.56 | 74.08 | 59.13 | 37.05 | - |
| | 3 123.24 | 92.68 | 41.48 | 33.08 | 20.72 | - |
| | 4 77.76 | 58.52 | 28.37 | 22.67 | 16.17 | - |
| HP 039 | 1 70.66 | 53.20 | 25.77 | 20.57 | 14.67 | 4.90 |
| | 2 36.57 | 32.28 | 18.00 | 13.38 | 8.00 | 2.90 |
| | 3 26.57 | 23.27 | 12.46 | 8.80 | 5.58 | 2.20 |
| | | | | | | |
| HP 050 | 1 31.75 | 30.30 | 13.16 | 12.3 | 7.29 | 1.60 |
| | 2 24.25 | 21.26 | 11.70 | 9.09 | 4.90 | 1.40 |
| | 3 17.37 | 16.25 | 8.90 | 7.18 | 3.63 | 1.25 |
| | 4 12.12 | 10.75 | 6.10 | 5.75 | 3.08 | 1.07 |
| | 5 7.00 | 6.56 | 3.60 | 3.10 | 2.25 | 0.80 |
| HP 065 | 1 58.50 | 43.46 | 23.16 | 19.66 | 10.71 | 1.28 |
| | 2 42.60 | 25.64 | 16.22 | 13.88 | 7.32 | 1.11 |
| | 3 20.50 | 15.88 | 8.18 | 6.81 | 3.91 | 0.58 |
| HP 135 | 1 20.33 | 18.80 | 9.71 | 8.66 | 4.78 | 2.78 |
| | 2 11.14 | 10.16 | 6.60 | 6.38 | 2.22 | 1.11 |
| | 3 6.48 | 6.33 | 3.38 | 3.16 | 2.14 | 1.01 |
| HP 320 | 1 10.88 | 9.73 | 5.02 | 3.73 | 2.54 | 1.04 |
| | 2 4.40 | 3.83 | 1.75 | 1.48 | 0.88 | 0.71 |
| | 3 2.75 | 2.11 | 1.05 | 0.87 | 0.77 | 0.61 |
| | 4 2.12 | 1.77 | 0.98 | 0.78 | 0.55 | 0.47 |
| HP 500 | 1 4.44 | 3.67 | 2.30 | 2.10 | 1.65 | 0.15 |
| | 2 3.37 | 2.77 | 1.78 | 1.68 | 1.24 | 0.10 |
| | 3 2.22 | 1.98 | 1.11 | 1.09 | 0.75 | 0.08 |
| | 4 1.81 | 1.33 | 0.93 | 0.86 | 0.68 | 0.05 |
| | 5 1.33 | 1.15 | 0.77 | 0.68 | 0.48 | 0.04 |

Stainless steel high pressure filters

| Filter element | Absolute filtration N Series | | | | |
|----------------|----------------------------------|--------|--------|--------|--------|
| | A03 | A06 | A10 | A16 | A25 |
| Type | A03 | A06 | A10 | A16 | A25 |
| HP 011 | 1 332.71 | 250.07 | 184.32 | 152.36 | 128.36 |
| | 2 220.28 | 165.56 | 74.08 | 59.13 | 37.05 |
| | 3 123.24 | 92.68 | 41.48 | 33.08 | 20.72 |
| | 4 77.76 | 58.52 | 28.37 | 22.67 | 16.17 |
| HP 039 | 2 70.66 | 53.20 | 25.77 | 20.57 | 14.67 |
| | 3 36.57 | 32.28 | 18.00 | 13.38 | 8.00 |
| | 4 26.57 | 23.27 | 12.46 | 8.80 | 5.58 |
| | | | | | |
| HP 050 | 1 31.75 | 30.30 | 13.16 | 12.3 | 7.29 |
| | 2 24.25 | 21.26 | 11.70 | 9.09 | 4.90 |
| | 3 17.37 | 16.25 | 8.90 | 7.18 | 3.63 |
| | 4 12.12 | 10.75 | 6.10 | 5.75 | 3.08 |
| | 5 7.00 | 6.56 | 3.60 | 3.10 | 2.25 |
| HP 135 | 1 20.33 | 18.80 | 9.71 | 8.66 | 4.78 |
| | 2 11.14 | 10.16 | 6.60 | 6.38 | 2.22 |
| | 3 6.48 | 6.33 | 3.38 | 3.16 | 2.14 |
| Filter element | Absolute filtration H - U Series | | | | |
| | A03 | A06 | A10 | A16 | A25 |
| | Type | A03 | A06 | A10 | A16 |
| | 1 424.58 | 319.74 | 235.17 | 194.44 | 163.78 |
| | 2 281.06 | 211.25 | 94.53 | 75.45 | 47.26 |
| HP 011 | 3 130.14 | 97.50 | 43.63 | 34.82 | 21.81 |
| | 4 109.39 | 82.25 | 36.79 | 29.37 | 18.40 |
| | | | | | |
| | | | | | |
| HP 039 | 2 70.66 | 53.20 | 25.77 | 20.57 | 14.67 |
| | 3 36.57 | 32.28 | 18.00 | 13.38 | 8.00 |
| | 4 26.57 | 23.27 | 12.46 | 8.80 | 5.58 |
| | | | | | |
| HP 050 | 1 47.33 | 34.25 | 21.50 | 20.50 | 14.71 |
| | 2 29.10 | 25.95 | 14.04 | 10.90 | 5.88 |
| | 3 20.85 | 19.50 | 10.68 | 8.61 | 4.36 |
| | 4 14.55 | 12.90 | 7.32 | 6.90 | 3.69 |
| | 5 9.86 | 9.34 | 6.40 | 4.80 | 2.50 |
| HP 135 | 1 29.16 | 25.33 | 13.00 | 12.47 | 5.92 |
| | 2 14.28 | 11.04 | 7.86 | 7.60 | 4.44 |
| | 3 8.96 | 7.46 | 4.89 | 4.16 | 3.07 |

| Filter element | Absolute filtration N Series | | | | | Nominal filtration N Series |
|----------------|------------------------------|------|------|------|------|--------------------------------|
| | A03 | A06 | A10 | A16 | A25 | |
| Type | A03 | A06 | A10 | A16 | A25 | M25 |
| HF 320 | 1 3.65 | 2.95 | 2.80 | 1.80 | 0.90 | 0.38 |
| | 2 2.03 | 1.73 | 1.61 | 1.35 | 0.85 | 0.36 |
| | 3 1.84 | 1.42 | 1.32 | 1.22 | 0.80 | 0.35 |

Selection Software FILTER SIZING

Step ① Select "FILTERS"



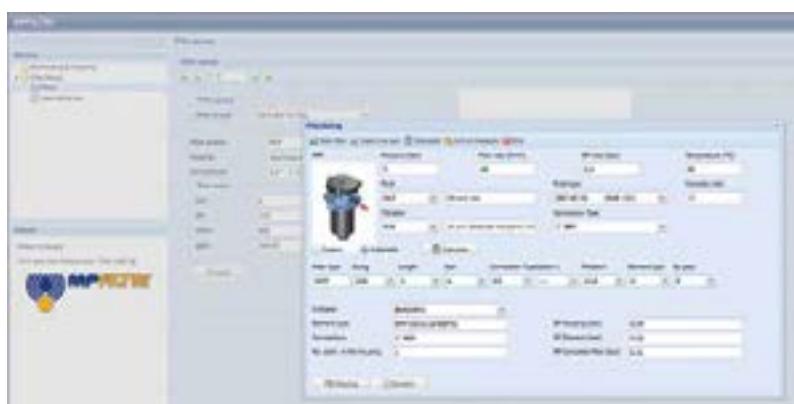
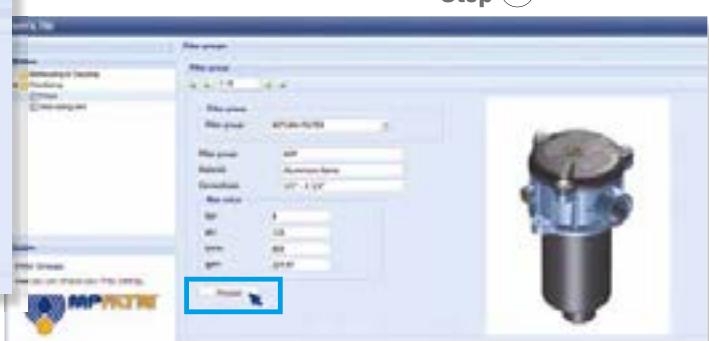
Step ② Choose filter group (Return Filter, Pressure Filter, etc.)



Step ③ Choose filter type (MPF, MPT, etc.) in function of the max working pressure and the max flow rate



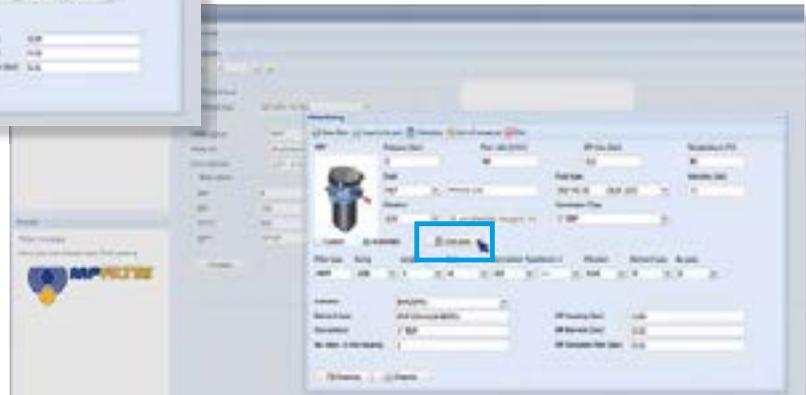
Step ④ Push "PROCEED"



Step ⑤

Insert all application data to calculate the filter size following the sequence:

- working pressure
- working flow rate
- working pressure drop
- working temperature
- fluid material and fluid type
- filtration media
- connection type



Step ⑥

Push "CALCULATE" to have result;
in case of any mistake, the system
will advice which parameter is out
of range to allow to modify/adjust
the selection



Step ⑦

Download PDF
Datasheet "Report.aspx" pushing the button "Drawing"

SF2 250-350 series

Flow rate up to 160 l/min



SF2 250-350 GENERAL INFORMATION

Technical data

Suction filters Flow rate up to 160 l/min

Filter housing materials

- Filter body: Aluminium
- Cover: Polyamide, GF reinforced
- Valve: Polyamide, GF reinforced - Steel
- Anti-Emptying valve: Steel

Seals

- Standard NBR series A
- Optional FPM series V

Temperature

From -25 °C to +110 °C

Bypass valve

Opening pressure 30 kPa (0.3 bar)

Elements

Fluid flow through the filter element from IN to OUT

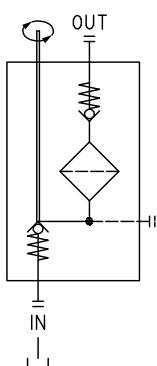
Note

SF2 250-350 filters mounting, see the drawings on page 39 and following.

Weights [kg]

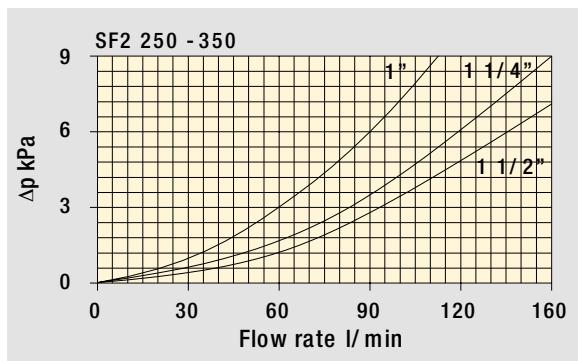
| SF2 250 | 2.6 |
|----------------|-----|
| SF2 350 | 2.6 |

Hydraulic symbols

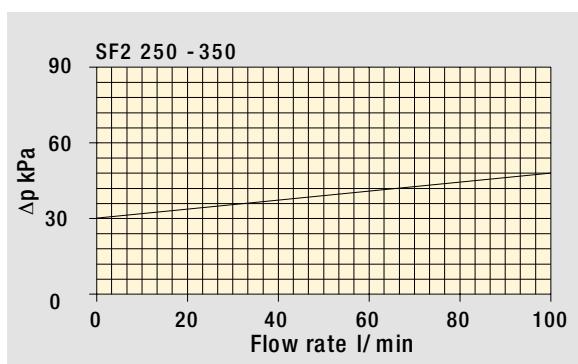


GENERAL INFORMATION SF2 250-350

The curves are plotted using mineral oil with density of 0.86 kg/dm³ in compliance with ISO 3968.
Δp varies proportionally with density.



Filter housings Δp pressure drop



Bypass valve pressure drop

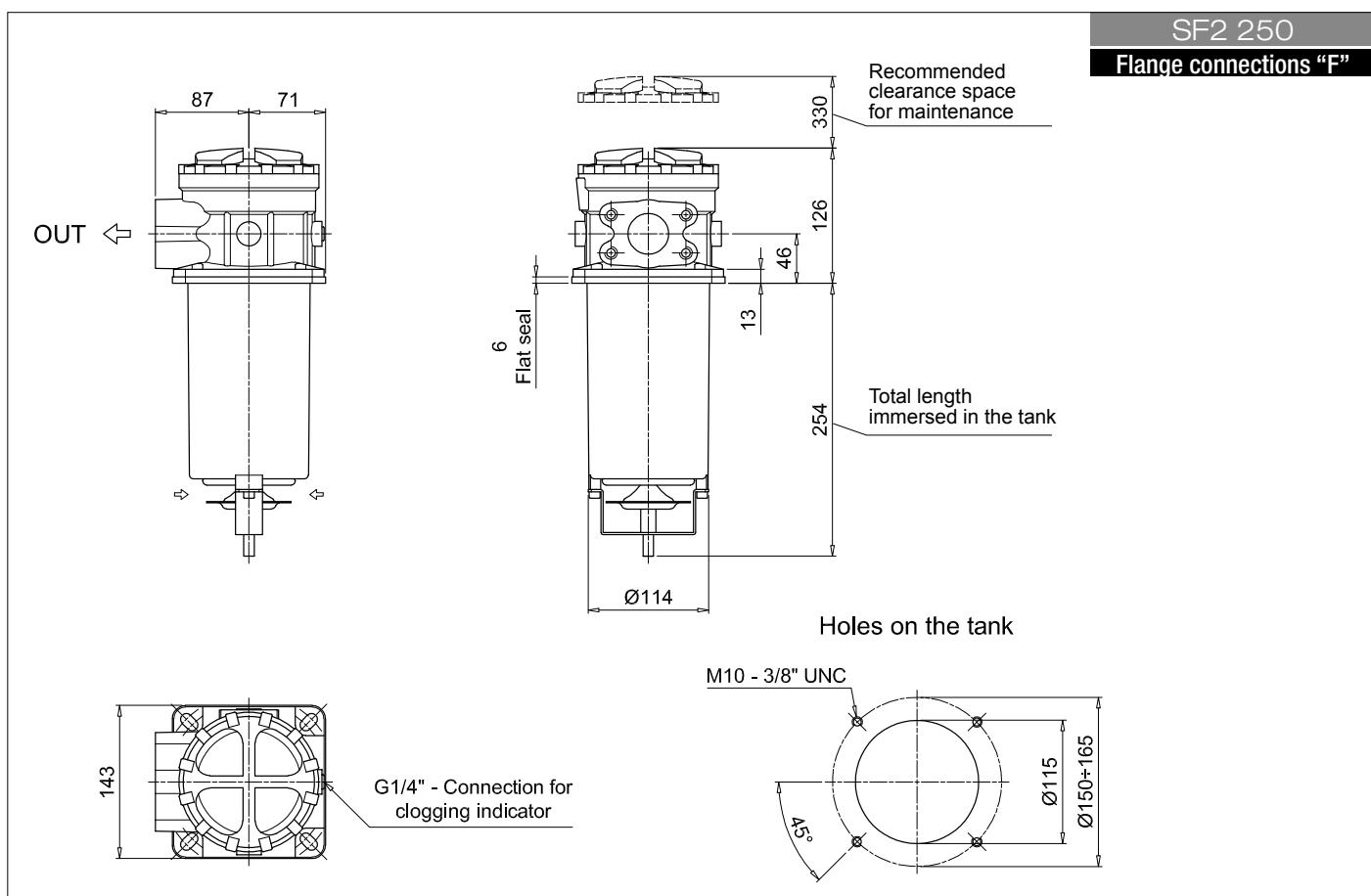
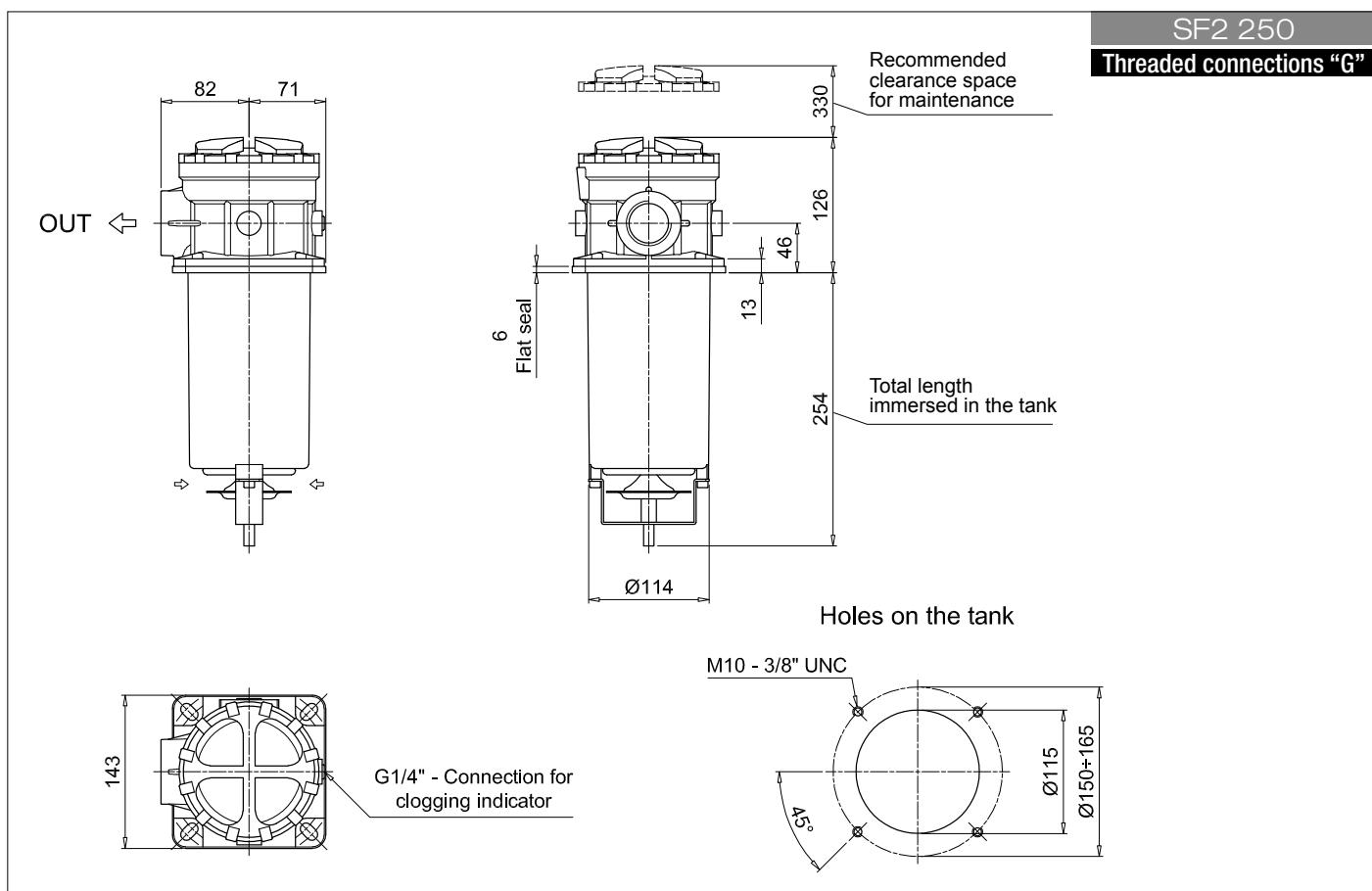
SF2 250-350

Designation & Ordering code

| COMPLETE FILTER | | | | | | | | | | |
|---|--|---|--|--------|--------------------------|--|-------------------------------|--|--|--|
| Series and size | | | | | Configuration example 1: | | | | | |
| SF2250 | | | | | SF2250 W F2 R M25 P01 | | | | | |
| SF2350 | | | | | Configuration example 2: | | | | | |
| | | | | | SF2350 A G1 S P25 P01 | | | | | |
| Seals and treatments | | | | | | | | | | |
| A | NBR | Filtration rating | | Mxx | Pxx | | | | | |
| V | FPM | | | ● | ● | | | | | |
| W | NBR compatible with fluids HFA-HFB-HFC | | | ● | | | | | | |
| Z | FPM compatible with fluids HFA-HFB-HFC | | | ● | | | | | | |
| Connections | | Aux (only SF2350) | | SF2250 | SF2350 | | | | | |
| G1 | G1 1/2" | G1" | | ● | ● | | | | | |
| G2 | 1 1/2" NPT | - | | | ● | | | | | |
| G3 | SAE 24 - 1 7/8" - 12 UN | SAE 16 - 1 5/16" - 12 UN | | ● | ● | | | | | |
| G4 | G1 1/4" | - | | | ● | | | | | |
| G5 | 1 1/4" NPT | - | | | ● | | | | | |
| G6 | SAE 20 - 1 5/8" - 12 UN | - | | | ● | | | | | |
| G7 | G1" | - | | | ● | | | | | |
| G8 | 1" NPT | - | | | ● | | | | | |
| G9 | SAE 16 - 1 5/16" - 12 UN | - | | | ● | | | | | |
| F1 | 1 1/2" SAE 3000 psi/M | - | | | ● | | | | | |
| F2 | 1 1/2" SAE 3000 psi/UNC | - | | | ● | | | | | |
| Bypass valve and magnetic column | | | | | | | | | | |
| R | With bypass, with magnetic column | Q Without bypass, with magnetic column | | | | | | | | |
| S | With bypass, without magnetic column | H Without bypass, without magnetic column | | | | | | | | |
| Filtration rating (filter media) | | | | | | | | | | |
| M25 | Wire mesh 25 µm | | | | | | Execution | | | |
| M60 | Wire mesh 60 µm | | | | | | P01 MP Filtri standard | | | |
| M90 | Wire mesh 90 µm | | | | | | | | | |
| M250 | Wire mesh 250 µm | | | | | | Pxx Customized | | | |

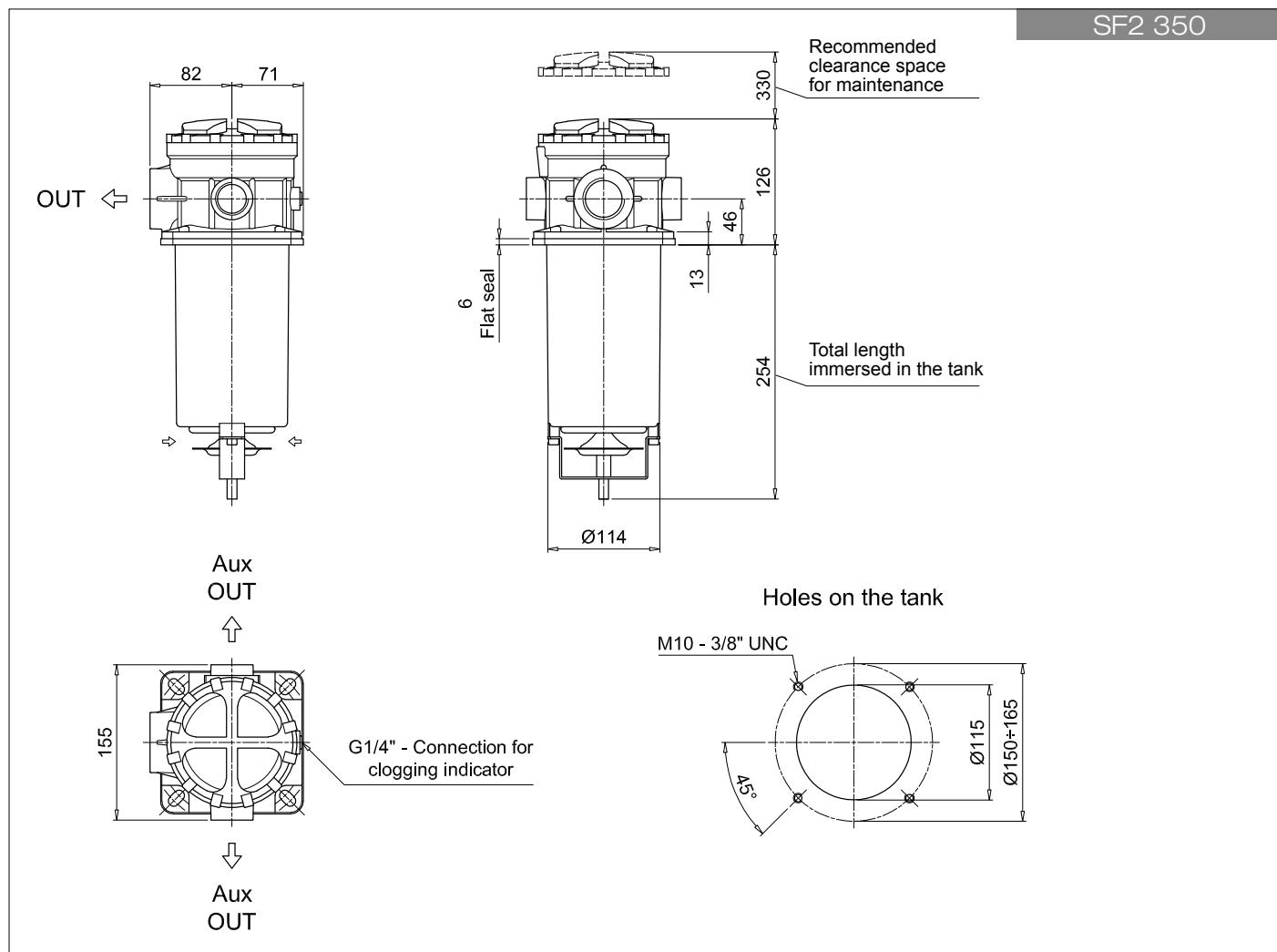
| FILTER ELEMENT | | | | | | | | | | | | | |
|---|--|-------------------|--|-----|------------------------|--|-------------------------------|--|--|--|--|--|--|
| Element series and size | | | | | Configuration example: | | | | | | | | |
| SF250 | | | | | SF250 M25 W P01 | | | | | | | | |
| Filtration rating (filter media) | | | | | | | | | | | | | |
| M25 | Wire mesh 25 µm | | | | | | Execution | | | | | | |
| M60 | Wire mesh 60 µm | | | | | | P01 MP Filtri standard | | | | | | |
| M90 | Wire mesh 90 µm | | | | | | | | | | | | |
| M250 | Wire mesh 250 µm | | | | | | Pxx Customized | | | | | | |
| Seals and treatments | | | | | | | | | | | | | |
| N | NBR | Filtration rating | | Mxx | Pxx | | | | | | | | |
| V | FPM | | | ● | ● | | | | | | | | |
| W | NBR compatible with fluids HFA-HFB-HFC | | | ● | | | | | | | | | |
| Z | FPM compatible with fluids HFA-HFB-HFC | | | ● | | | | | | | | | |

| ACCESSORIES | | | | | | | | | |
|---|--|--|--|--|------|--|--|--|--|
| Clogging indicators | | | | | page | | | | |
| VVA Axial vacuum gauge | | | | | 55 | | | | |
| VVR Radial vacuum gauge | | | | | 55 | | | | |
| VEA Electrical vacuum indicator | | | | | 54 | | | | |
| VLA Electrical / visual vacuum indicator | | | | | 54 | | | | |



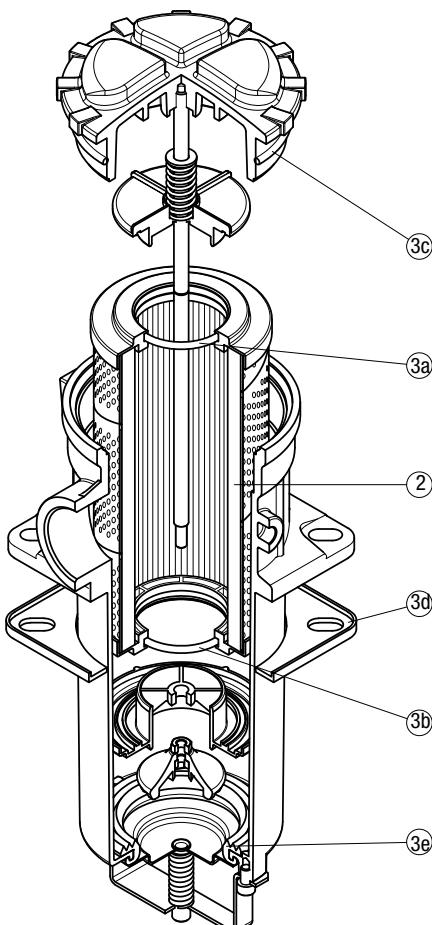
SF2 250-350

Dimensions



SPARE PARTS SF2 250-350

Order number for spare parts



| Item: | Q.ty: 1 pc. 2 | Q.ty: 1 pc. 3 (3a ÷ 3e) |
|---------------|-------------------------|-----------------------------------|
| Filter series | Filter element | Seal Kit code number NBR FPM |
| SF2 250 - 350 | See order table | 02050586 02050587 |