



STAUFF  
Filtri  
In-line filters

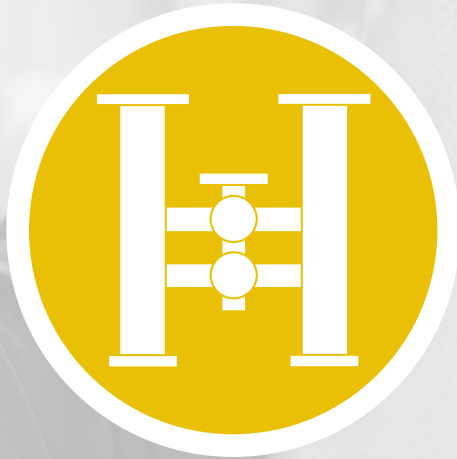


 HYDRAULIC  
COMPONENTS  
& FLUID CONTAMINATION  
CONTROL



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 STALFF

**Overview In-Line Filters** 128

SRFL-S / SRFL-D / SRFL-SW



<b>In-Line Filters</b>	<b>SRFL-S / SRFL-D</b>	<b>129 - 142</b>
Max. 14 bar / 200 PSI		
Max. 7000 l/min / 1850 US GPM		

Technical Data / Dimensions 130 - 139

Order Code - In-Line Filter 140

Order Code - Filter Elements 140

**Differential Pressure Switch with Visual Gauge Indicator** 141

**Flow Characteristics** 142



<b>In-Line Filters</b>	<b>SRFL-SW</b>	<b>143 - 147</b>
Max. 16 bar / 232 PSI		
Max. 13330 l/min / 3521 US GPM		

Technical Data / Dimensions 144 - 145

Order Code - In-Line Filter 146

Order Code - Filter Elements 146

**Differential Pressure Switch with Visual Gauge Indicator** 147

**E**



**Description**

STAUFF In-Line Simplex Filters SRFL-S and Duplex Filters SRFL-D are designed for in-line hydraulic applications. With its compact construction and the easy maintain assembly the SRFL-S and SRFL-D Filters are suitable for flow rates up to 7000 l/min / 1850 US GPM.

The two housings of the Duplex Filter SRFL-D are connected with a special gate valve that is operated with a level or hand wheel. Therefore the filter may be serviced without shutting down the hydraulic system.

The STAUFF In-Line Filter SRFL-SW is designed for installation in water circulations. This filter can be used for cleaning of e.g. industrial water of descaling systems. The filter elements are designed as basket strainers, which keep the dirt during the element change.

**Media Compatibility**

- Mineral oils, lubrication oils and water, others on request

**Options and Accessories**

**Valves (except REL Filter Elements)**

- Bypass valve (integrated in the filter element)

**Clogging Indicators**

- On request with visual and electrical differential pressure indicator
- The SRFL-SW is also available with an visual-electrical differential pressure indicator



**Type SRFL-S**

- Version: Simplex
- Operating pressure: max. 14 bar / 200 PSI
- Nominal flow rate: max. 7000 l/min / 1850 US GPM
- Materials: Filter housing: Carbon Steel, Stainless Steel (on request)
- Connections: ANSI, DIN or SAE flange (ISO 6162-1/2)



**Type SRFL-SW**

- Version: Simplex, suitable for water Duplex on request
- Operating pressure: max. 16 bar / 232 PSI
- Nominal flow rate: max. 13330 l/min / 3521 US GPM
- Materials: Filter housing: Carbon Steel, Stainless Steel (on request)
- Connections: ANSI or DIN flange



**Type SRFL-D**

- Version: Duplex
- With switch control for maintenance of the system without stoppage
- Operating pressure: max. 14 bar / 200 PSI
- Nominal flow rate: max. 7000 l/min / 1850 US GPM
- Materials: Filter housing: Carbon Steel, Stainless Steel (on request)
- Connections: ANSI, DIN or SAE flange (ISO 6162-1/2)



**In-Line Filters ■ Type SRFL-S / D**

**Product Description**

STAUFF In-Line Simplex Filters SRFL-S and Duplex Filters SRFL-D are designed for in-line hydraulic applications. With its compact construction and the easy maintain assembly the SRFL-S and SRFL-D Filters are suitable for flow rates up to 7000 l/min / 1850 US GPM. The two housings of the Duplex Filter SRFL-D are connected with a special gate valve that is operated with a level or hand wheel. Therefore the filter may be serviced without shutting down the hydraulic system. A high efficiency of contaminant removal is assured by using STAUFF RE series Replacement Filter Elements. The high dirt-hold capacity of STAUFF Elements ensure a long service life and, as a result, reduced maintenance costs.

**Technical Data**
**Construction**

- In-line assembly, base mounted

**Materials**

- Filter housing: Carbon Steel  
Stainless Steel (on request)
- Sealings: NBR (Buna-N®)  
FKM (Viton®)  
Other sealing materials on request

**Port Connections**

- DIN flange
- ANSI flange
- SAE flange

**Operating Pressure**

- Max. 14 bar / 200 PSI

**Flow Rating**

- Up to 7000 l/min / 1850 US GPM

**Temperature Range**

- -10 °C ... +100 °C / +14 °F ... +212 °F

**Filter Elements**

- Specifications see page 140

**Media Compatibility**

- Mineral oils, lubrication oils, other fluids on request

**Options and Accessories**
**Valve**

- Bypass valve: Opening pressure 3 bar ± 0,3 bar / 43.5 PSI ± 4.35 PSI  
(integrated in the filter element) Other settings available on request

**Clogging Indicators**

- Differential pressure switch incl. visual indicator, setting 1,6 bar / 23 PSI  
Other clogging indicators available on request

Filter Size	Flow l/min/ US GPM	Flange			Filter Element quantity		Arrangement of filter elements	Page
		DIN 2501	ANSI B 16.5	SAE 3000 PSI	SRFL-S	SRFL-D		
SRFL-S/D-160	900/240	DN 40	1-1/2	1-1/2	1x RE-160	2x RE-160		130 / 134
SRFL-S/D-200	900/240	DN 50	2	2	1x RE-200	2x RE-200		
SRFL-S/D-300	1400/370	DN 65	2-1/2	2-1/2	1x RE-300	2x RE-300		
SRFL-S/D-600	1400/370	DN 80	3	3	1x RE-600	2x RE-600		132 / 136
SRFL-S/D-1200	4000/1050	DN 100	4	4	2x RE-600	4x RE-600		
SRFL-S/D-1800	4000/1050	DN 125	5	5	3x RE-600	6x RE-600		132 / 136
SRFL-S/D-2400	6000/1580	DN 150	6	6	4x RE-600	8x RE-600		
SRFL-S/D-3600	7000/1850	DN 200	8	8	6x RE-600	12x RE-600		132 / 138

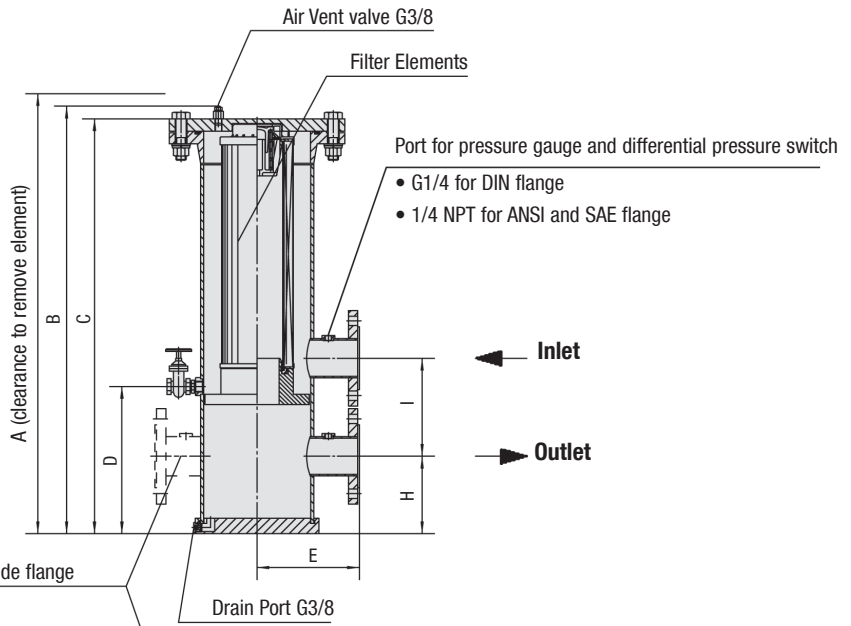
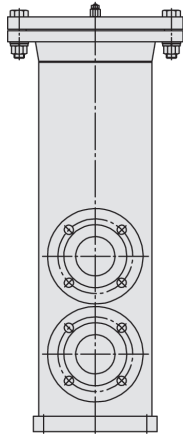


In-Line Filters ■ Type SRFL-S-160 / 200 / 300 / 600

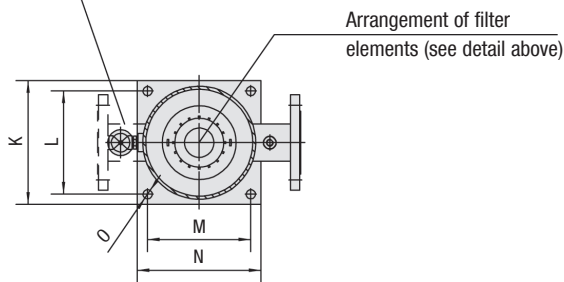
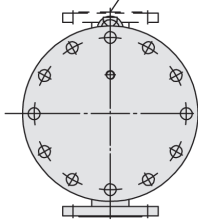
Detail arrangement of filter elements



SRFL-S-160 / 200 / 300 / 600

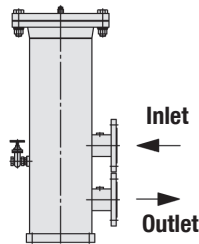


Option: Opposite side flange  
see detail

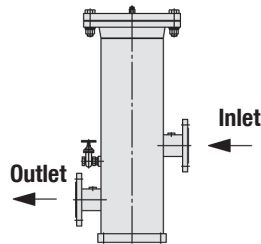


Option: Connection location

S (same side)



O (opposite side)



E



**In-Line Filters ■ Type SRFL-S-160 / 200 / 300 / 600**

Flange Connection	Filter Size SRFL-S			
	160	200	300	600
DIN	DN 40	DN 50	DN 65	DN 80
ANSI	1-1/2	2	2-1/2	3
SAE	1-1/2	2	2-1/2	3

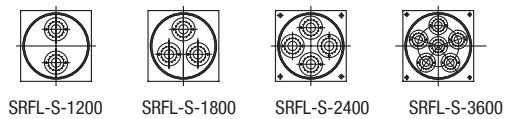
Dimensions (mm/in)	Filter Size SRFL-S			
	160	200	300	600
A	885,8	1045,8	1248,7	2126,7
	34.87	41.17	49.16	83.73
B	607,6	688,7	828,6	1267,6
	23.92	27.12	32.63	49.91
C	584	664	803,9	1242,9
	22.99	26.14	31.65	48.93
D	214	214	285	285
	8.43	8.43	11.22	11.22
E	148	148	198	198
	5.83	5.83	7.80	7.80
H	130	140	150	160
	5.12	5.51	5.91	6.30
I	155	190	190	220
	6.10	7.48	7.48	8.66
K	150	150	240	240
	5.91	5.91	9.45	9.45
L	125	125	200	200
	4.92	4.92	7.87	7.87
M	125	125	200	200
	4.92	4.92	7.87	7.87
N	150	150	240	240
	5.91	5.91	9.45	9.45
O	11	11	18	18
	.43	.43	.71	.71
Total Oil Capacity (l/gal)	6,0	7,1	22,2	37,1
	1.59	1.86	5.87	9.80
Weight (kg/lbs)	14,5	15,9	29	34,5
	32	35	64	76
Filter Elements	Designation	RE-160 ...	RE-200 ...	RE-300 ...
	Quantity	1 x 1	1 x 1	1 x 1

**E**

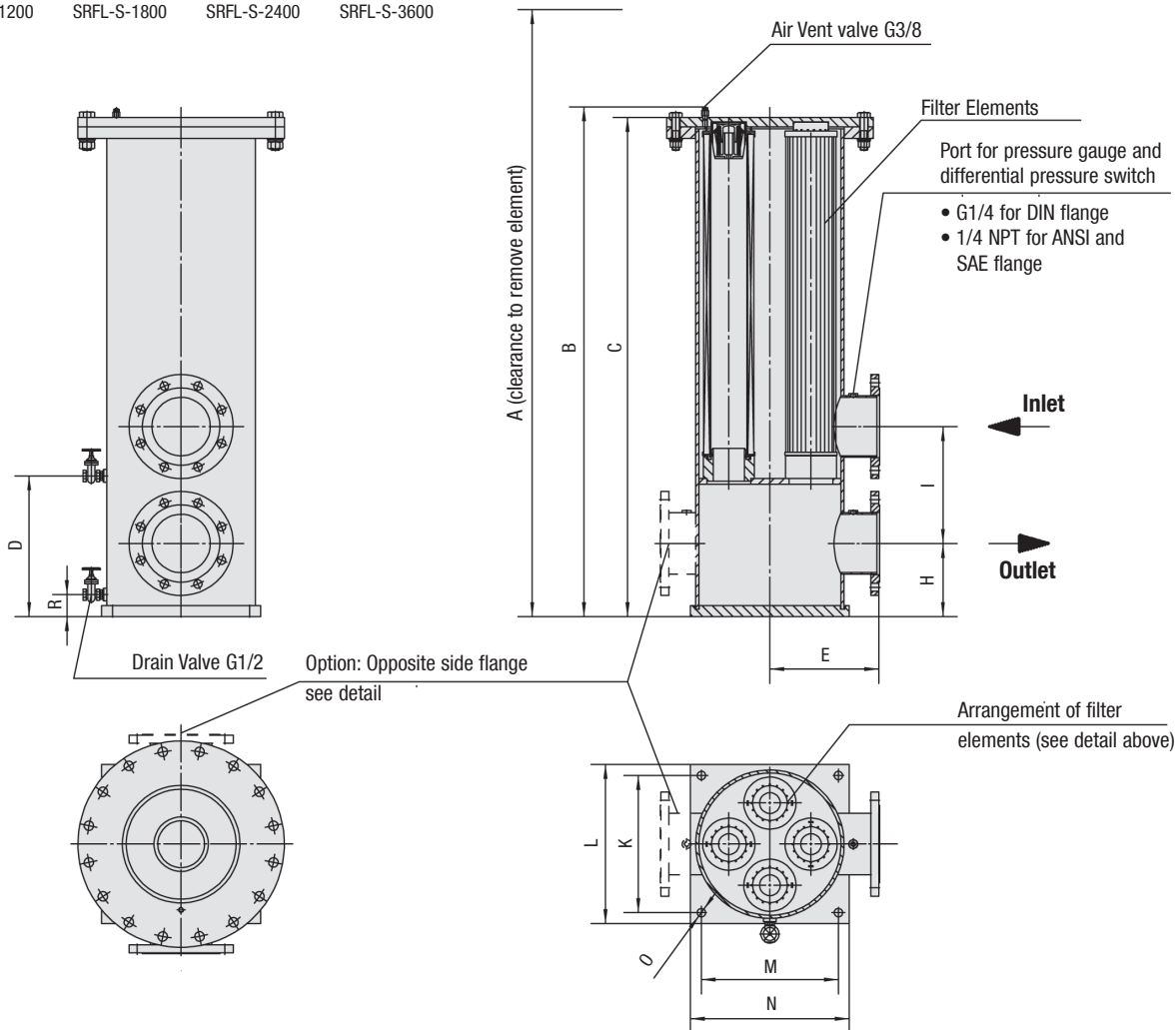



In-Line Filters ■ Type SRFL-S-1200 / 1800 / 2400 / 3600

Detail arrangement of filter elements

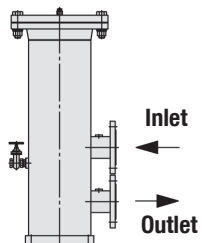


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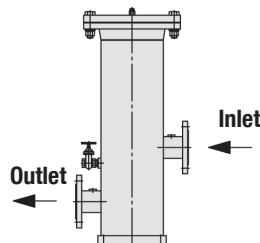


Option: Connection location

S (same side)



O (opposite side)



**In-Line Filters ■ Type SRFL-S-1200 / 1800 / 2400 / 3600**

Flange Connection	Filter Size SRFL-S			
	1200	1800	2400	3600
DIN	DN 100	DN 125	DN 150	DN 200
ANSI	4	5	6	8
SAE	4	5	6	8

Dimensions (mm/in)	Filter Size SRFL-S			
	1200	1800	2400	3600
A	2176,7	2176,7	2249,1	2249,1
	85.70	85.70	88.55	88.55
B	1319,6	1323,6	1394,8	1392,8
	51.96	52.11	54.92	54.84
C	1294,6	1294,9	1366,1	1368,1
	50.98	50.98	53.78	53.86
D	275	275	325	325
	10.83	10.83	12.80	12.80
E	273	273	298	398
	10.75	10.75	11.73	15.67
H	190	190	200	252
	7.48	7.48	7.87	9.92
I	250	280	320	425
	9.84	11.02	12.6	16.73
K	385	385	435	540
	15.16	15.16	17.13	21.26
L	325	325	375	480
	12.80	12.80	14.76	18.90
M	325	325	375	480
	12.80	12.80	14.76	18.90
N	385	385	435	540
	15.16	15.16	17.13	21.26
O	23	23	23	23
	.91	.91	.91	.91
R	60	60	60	60
	2.36	2.36	2.36	2.36
Total Oil Capacity (l/gal)	103	103	149	232
	27.21	27.21	39.37	61.30
Weight (kg/lbs)	86,2	90,7	105,2	154,2
	190	200	232	340
Filter Elements	Designation	RE-600 ...	RE-600 ...	RE-600 ...
	Quantity	1 x 2	1 x 3	1 x 4

**E**

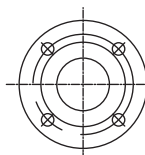

In-Line Filters ■ Type SRFL-D-160 / 200 / 300 / 600

Detail arrangement of filter elements

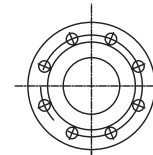


SRFL-D-160 / 200 / 300 / 600

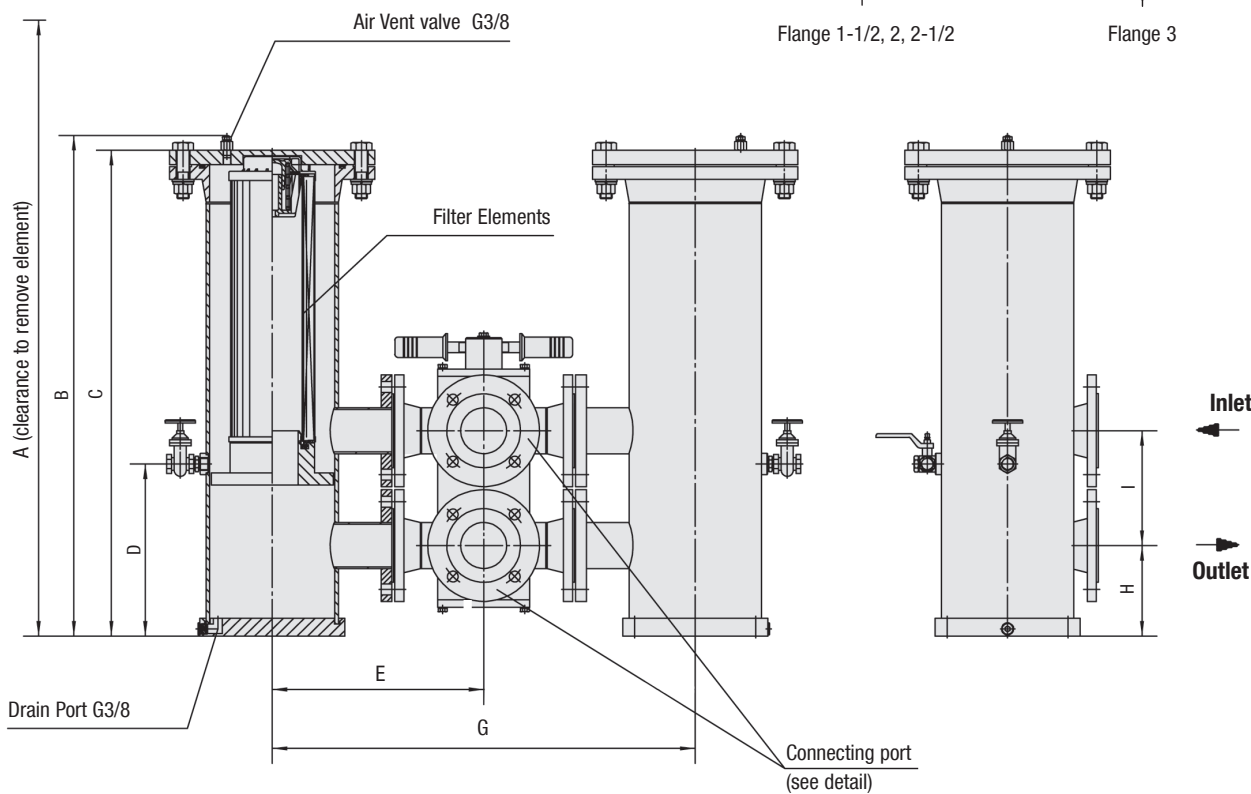
Detail connecting ports



Flange 1-1/2, 2, 2-1/2

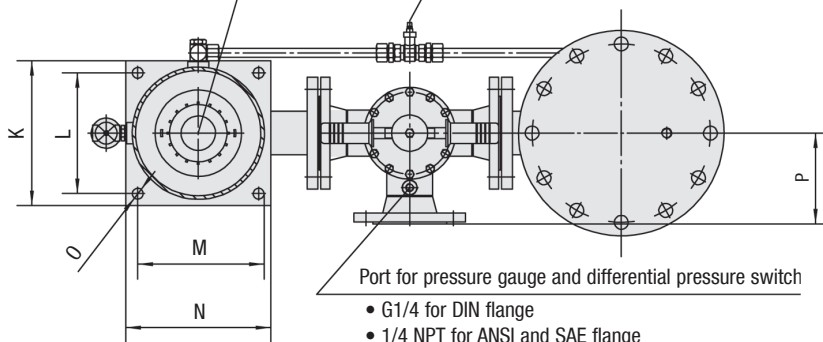


Flange 3



Arrangement of filter elements (see detail above)

Pressure tap  
Balance line 1/2"



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**In-Line Filters ■ Type SRFL-D-160 / 200 / 300 / 600**

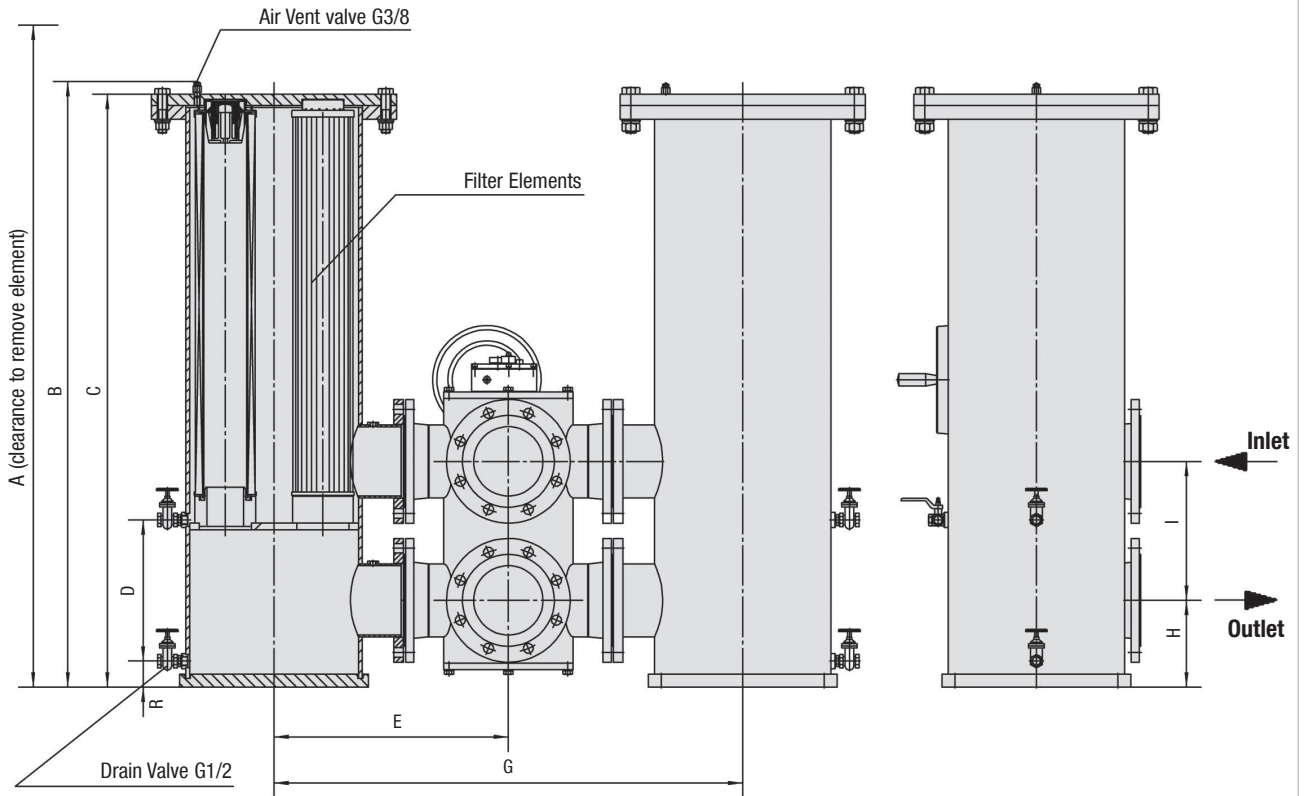
Flange Connection	Filter Size SRFL-D			
	160	200	300	600
DIN	DN 40	DN 50	DN 65	DN 80
ANSI	1-1/2	2	2-1/2	3

Dimensions (mm/in)	Filter Size SRFL-D				
	160	200	300	600	
A	885,8	1045,8	1248,7	2126,7	
	34.87	41.17	49.16	83.73	
B	607,6	688,7	828,6	1267,6	
	23.92	27.12	32.63	49.91	
C	584	642	803,9	1242,9	
	22.99	25.28	31.65	48.93	
D	214	214	285	285	
	8.43	8.43	11.22	11.22	
E	260	300	350	375	
	10.24	11.81	13.78	14.76	
G	520	600	700	750	
	20.47	23.62	27.56	29.53	
H	130	140	150	160	
	5.12	5.51	5.91	6.30	
I	155	190	190	220	
	6.10	7.48	7.48	8.66	
K	150	150	240	240	
	5.91	5.91	9.45	9.45	
L	125	125	200	200	
	4.92	4.92	7.87	7.87	
M	125	125	200	200	
	4.92	4.92	7.87	7.87	
N	150	150	240	240	
	5.91	5.91	9.45	9.45	
O	11	11	18	18	
	.43	.43	.71	.71	
P	110	150	150	175	
	4.33	5.91	5.91	6.89	
Total Oil Capacity (l/gal)	6	7,1	22,2	37,1	
	1.59	1.86	5.87	9.80	
Weight (kg/lbs)	43	56,7	84	104	
	95	125	185	230	
Filter Elements	Designation	RE-160 ...	RE-200 ...	RE-300 ...	RE-600 ...
	Quantity	2 x 1	2 x 1	2 x 1	2 x 1

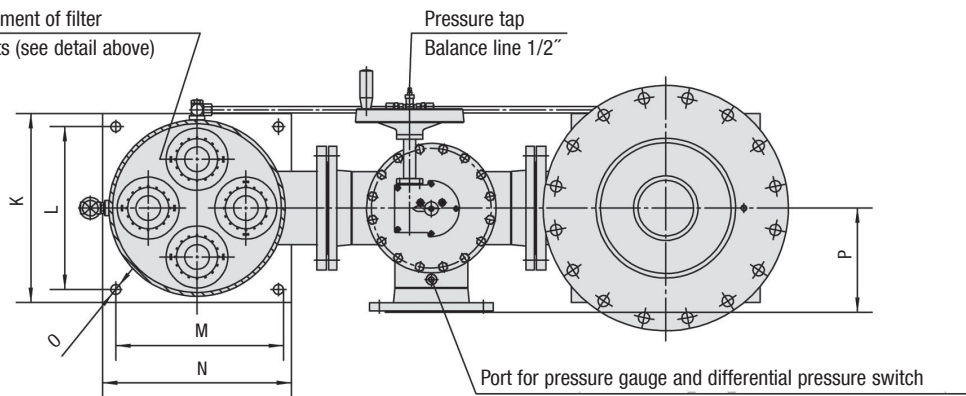
**E**


In-Line Filters ■ Type SRFL-D-1200 / 1800 / 2400

Detail arrangement of filter elements



Arrangement of filter elements (see detail above)



Port for pressure gauge and differential pressure switch

- G1/4 for DIN flange
- 1/4 NPT for ANSI and SAE flange

E



**In-Line Filters ■ Type SRFL-D-1200 / 1800 / 2400**

Flange Connection	Filter Size SRFL-D		
	1200	1800	2400
DIN	DN 100	DN 125	DN 150
ANSI	4	5	6

Dimensions (mm/in)	Filter Size SRFL-D		
	1200	1800	2400
A	2176,7	2176,7	2249,1
	85.70	85.70	88.55
B	1319,6	1323,6	1394,8
	51.96	52.11	54.92
C	1294,9	1294,9	1366,1
	50.98	50.98	53.78
D	275	275	325
	10.83	10.83	12.80
E	475	500	540
	18.70	19.69	21.26
G	950	1000	1080
	37.40	39.37	42.52
H	190	190	200
	7.48	7.48	7.87
I	250	280	320
	9.84	11.02	12.60
K	385	385	435
	15.16	15.16	17.13
L	325	325	375
	12.80	12.80	14.76
M	325	325	375
	12.80	12.80	14.76
N	385	385	435
	15.16	15.16	17.13
O	23	23	23
	.91	.91	.91
P	200	225	240
	7.87	8.86	9.45
R	60	60	60
	2.36	2.36	2.36
Total Oil Capacity (l/gal)	103	103	149
	27.20	27.20	39.30
Weight (kg/lbs)	215	233	263
	475	515	580
Filter Elements	Designation	RE-600 ...	RE-600 ...
	Quantity	2 x 2	2 x 3
			RE-600 ...
			2 x 4

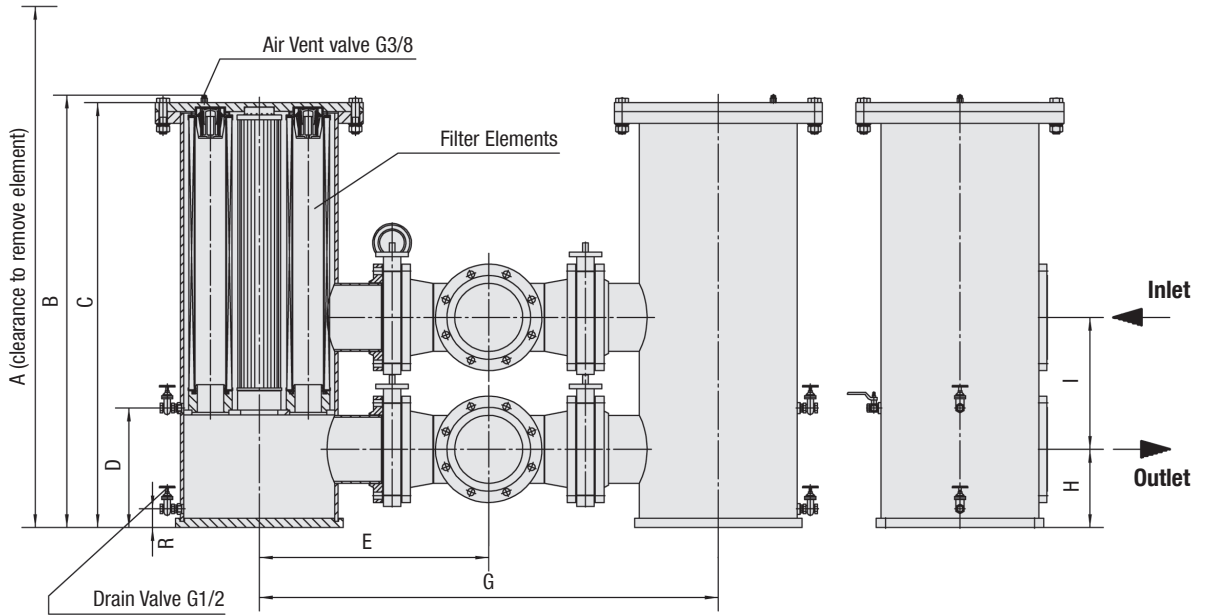
**E**


In-Line Filters ▪ Type SRFL-D-3600

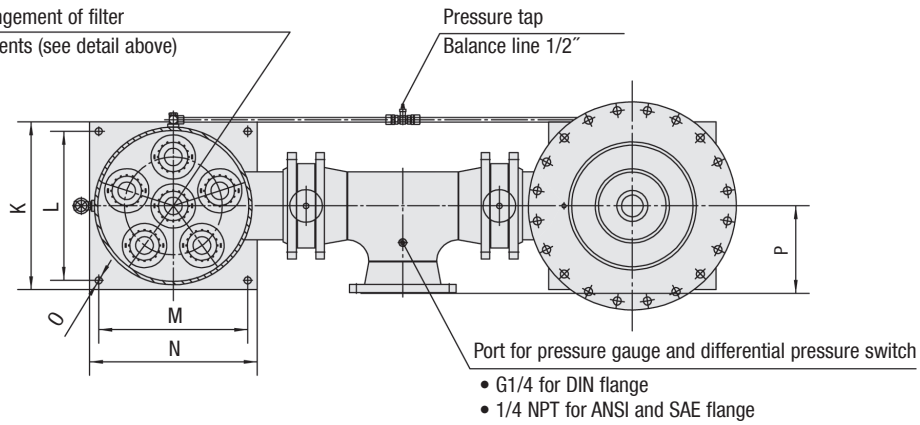
Detail arrangement of filter elements



SRFL-D-3600



Arrangement of filter elements (see detail above)



E



**In-Line Filters ▪ Type SRFL-D-3600**

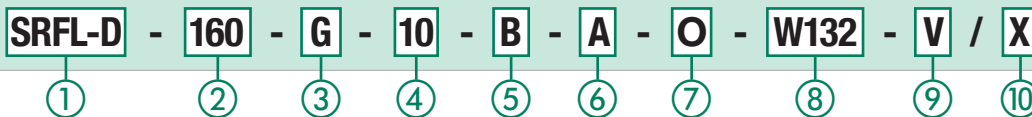
Flange Connection	Filter Size SRFL-D
	<b>3600</b>
DIN	DN 200
ANSI	8

Dimensions (mm/in)	Filter Size SRFL-D	
	<b>3600</b>	
A	2249,1 88.55	
B	1392,8 54.84	
C	1368,1 53.86	
D	325 12.80	
E	739 29.11	
G	1479 58.22	
H	252 9.92	
I	425 16.73	
K	540 21.26	
L	480 18.90	
M	480 18.90	
N	540 21.26	
O	23 .91	
P	281,4 11.08	
R	60 2.36	
Total Oil Capacity (l/gal)	233 61.3	
Weight (kg/lbs)	390 860	
Filter Elements	Designation	RE-600 ...
	Quantity	2 x 6

**E**




In-Line Filter Housings / Complete Filters ▪ Type SRFL-S / D



① Type

In-Line Simplex Housing	<b>SRFL-S</b>
In-Line Duplex Housing	<b>SRFL-D</b>

② Group

Flow	Size
900 l/min / 240 US GPM	<b>160</b>
900 l/min / 240 US GPM	<b>200</b>
1400 l/min / 370 US GPM	<b>300</b>
1400 l/min / 370 US GPM	<b>600</b>
4000 l/min / 1050 US GPM	<b>1200</b>
4000 l/min / 1050 US GPM	<b>1800</b>
6000 l/min / 1580 US GPM	<b>2400</b>
7000 l/min / 1850 US GPM	<b>3600</b>

③ Filter Material

Material	Max. Δp*collapse	Micron ratings available	Code
Without filter element	-	-	<b>O</b>
Inorg. glass fibre	25 bar / 363 PSI	3, 5, 10, 20	<b>G</b>
Stainless fibre	30 bar / 435 PSI		<b>A</b>
Filter paper	10 bar / 145 PSI	10, 20	<b>N</b>
Stainless mesh	30 bar / 435 PSI	25, 50, 100, 200	<b>S</b>

\* Note: Collapse/burst resistance as per ISO 2941. Other materials on request.

④ Micron Rating

3 µm	<b>03</b>
5 µm	<b>05</b>
10 µm	<b>10</b>
20 µm	<b>20</b>
25 µm	<b>25</b>
50 µm	<b>50</b>
100 µm	<b>100</b>
200 µm	<b>200</b>

Note: Other micron ratings on request.

⑤ Sealing Material

NBR (Buna®)	<b>B</b>
FKM (Viton®)	<b>V</b>

Note: Other sealing materials on request.

⑥ Connection Style

Connection Style	Group								Code
	160	200	300	600	1200	1800	2400	3600	
DIN Flange	DN 40	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150	DN 200	<b>D</b>
ANSI Flange	1-1/2	2	2-1/2	3	4	5	6	8	<b>A</b>
SAE Flange	1-1/2	2	2-1/2	3	4	5	-	-	<b>S</b>

⑦ Connection Location

Opposite side*	<b>O</b>
Same side	<b>S</b>

\* Note: Not for SRFL-D series

⑧ Housing Material

Carbon Steel	<b>W132</b>
Stainless Steel	<b>W4</b>

⑨ Clogging Indicator

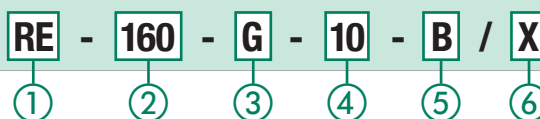
Without Clogging Indicator	<b>O</b>
Differential Pressure Switch with Visual Gauge Indicator	<b>V</b>

Note: Other indicators on request.

⑩ Design Code

Only for information	<b>X</b>
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Filter Elements ▪ Type RE



① Type

Filter Element Series	<b>RE</b>
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② Group

Designation	Filter Element Quantity		Size
	SRFL-S	SRFL-D	
RE-160	1x1	2x1	<b>160</b>
RE-200	1x1	2x1	<b>200</b>
RE-300	1x1	2x1	<b>300</b>
RE-600	1x1	2x1	<b>600</b>
RE-600	1x2	2x2	<b>1200</b>
RE-600	1x3	2x3	<b>1800</b>
RE-600	1x4	2x4	<b>2400</b>
RE-600	1x6	2x6	<b>3600</b>

③ Filter Material

Material	Max. Δp*collapse	Micron ratings available	Code
Inorg. glass fibre	25 bar / 363 PSI	3, 5, 10, 20	<b>G</b>
Stainless fibre	30 bar / 435 PSI		<b>A</b>
Filter paper	10 bar / 145 PSI	10, 20	<b>N</b>
Stainless mesh	30 bar / 435 PSI	25, 50, 100, 200	<b>S</b>

\* Note: Collapse/burst resistance as per ISO 2941. Other materials on request.

④ Micron Rating

3 µm	<b>03</b>
5 µm	<b>05</b>
10 µm	<b>10</b>
20 µm	<b>20</b>
25 µm	<b>25</b>
50 µm	<b>50</b>
100 µm	<b>100</b>
200 µm	<b>200</b>

Note: Other micron ratings on request.

⑤ Sealing Material

NBR (Buna®)	<b>B</b>
FKM (Viton®)	<b>V</b>

Note: Other sealing materials on request

⑥ Design Code

Only for information	<b>X</b>
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## Return-Line Filters ■ Type SRFL-S / D

**Differential Pressure Switch with Visual Gauge Indicator**

The switch is used to indicate when the elements need to be changed. The switch can turn on a light, shut down the machine or any further function controlled by an electrical signal. The gauge visually indicates the differential pressure across the filter elements.

**Diameter**

- 100 mm / 3.94 in

**Scale**

- 0 ... 1,6 kg/cm<sup>2</sup>

**Connection Thread**

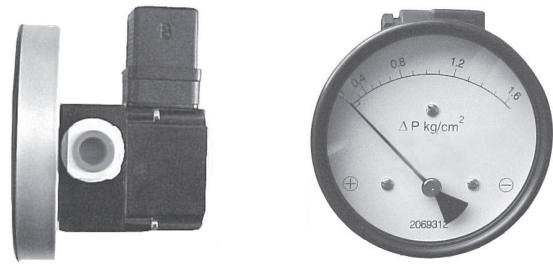
- G1/4

**Operating Pressure**

- Max. 200 bar / 2900 PSI

**Temperature Range**

- -20 °C ... +80 °C / -4 °F ... +176 °F


**Materials**

- Body: Aluminium
- Lens: Glass
- Sealing Material: NBR (Buna-N®)  
FKM (Viton®)

**Protection Rating**

- IP 65: Dust tight and protected against water jets.

**Switch Voltage**

- Max. 28 V AC/DC

**Current On Contact**

- Max. 0,25 A

**Contact Rating**

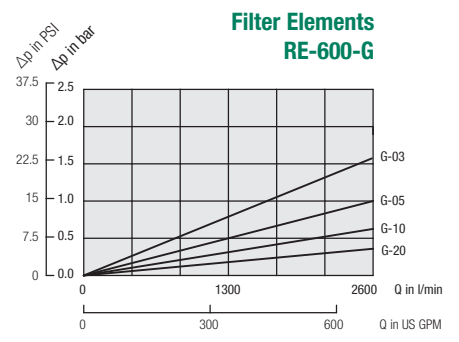
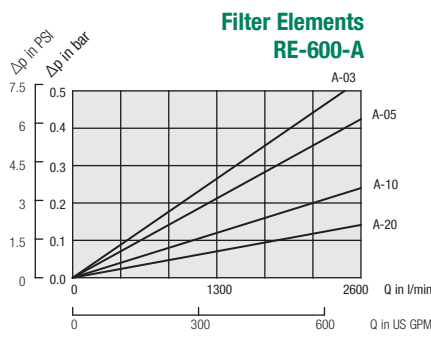
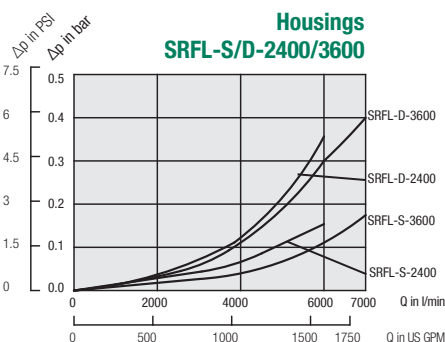
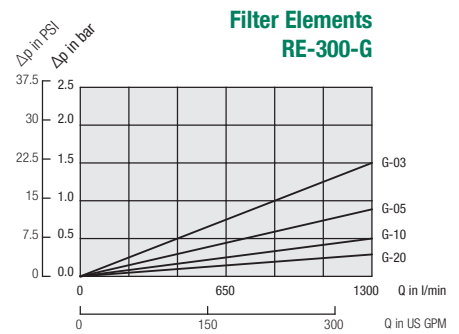
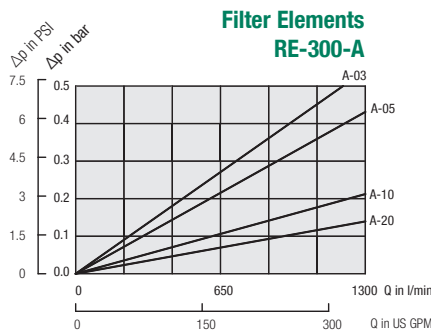
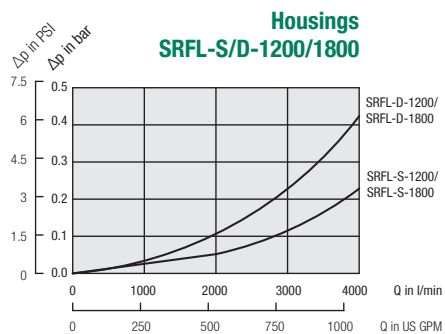
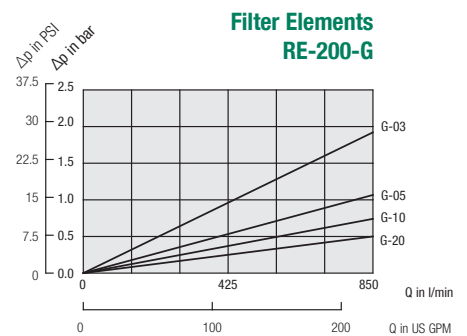
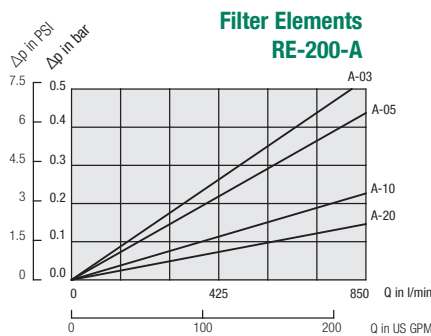
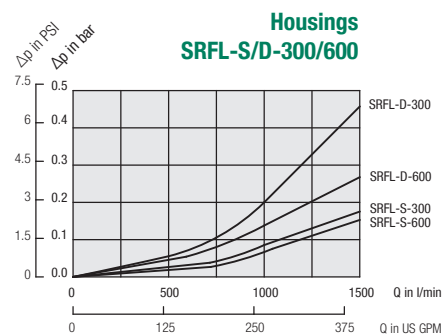
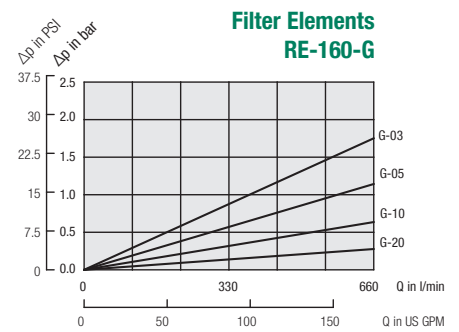
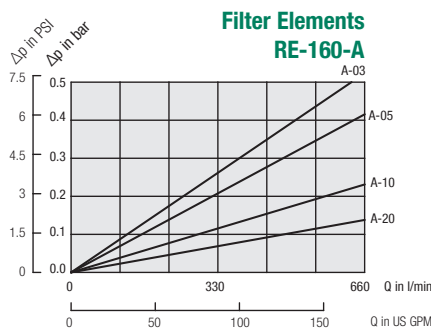
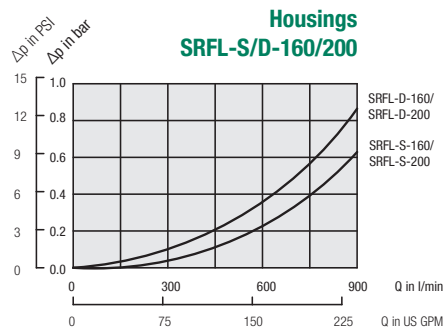
- 5 VA AC/DC



## In-Line Filters ■ Type SRFL-S / D Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm<sup>3</sup> and the kinematic viscosity of 30 mm<sup>2</sup>/s (30cSt). The characteristics have been determined in accordance to ISO 3968. Multipass filter ratings have been obtained in accordance to ISO 16889. The housing pressure drop is directly proportional to the oil density. Contact STAUFF for details.

E



### Pressure drop of housing including filter elements

General:  $\Delta p_{total} = \Delta p_{housing} + \Delta p_{Element} \times (\text{operating viscosity [mm}^2\text{/s]} / 30\text{mm}^2\text{/s})$

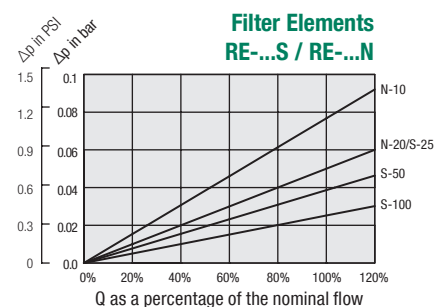
with  $\Delta p_{housing}$  = See diagrams above

$\Delta p_{Element}$  = pressure drop of element at a flow Q/n (at a viscosity of 30 mm<sup>2</sup>/s and n = numbers of elements as listed in ordering code filter elements see page 140 and diagrams above.)

### Example

Data given  $Q_{max}$  = 6000 l/min / 1585 US GPM, SRFL-D-2400 with filter elements RE-600-S-25-B;  
 operating viscosity = 100 mm<sup>2</sup>/s  
 $Q_{max}$  = 6000 l/min; n=4 elements (SRFL-D-2400) Q/n=1500 l/min / 396 gal  
 $\Delta p_{housing}$  = 0,35 bar / 5.07 PSI,  $\Delta p_{Element}$  = 0,03 bar / 0.44 PSI

Pressure drop:  $\Delta p_{total} = 0,35 \text{ bar} + 0,03 \text{ bar} \times (100 \text{ mm}^2\text{/s} / 30\text{mm}^2\text{/s})$   
 = 0,45 bar / 6.53 PSI



**In-Line Filters ■ Type SRFL-SW**

**E**
**Product Description**

STAUFF In-Line Filters SRFL-SW are specially developed for direct installation into the pipelines of industrial water cycles. Depending on their size, SRFL-SW filter housings are suitable for nominal flow rates up to 13330 l/min / 3521 US GPM at a maximum operating pressure of 16 bar / 232 PSI. The SRFL-SW have been designed to be used in the steel industry for pre-filtering or coarse filtering in descaling plants. For use with demineralised water we recommend the In-Line Filters SRFL-SW in Stainless Steel. The filter element construction as a Stainless Steel basket screen filter ensures a long service life.

**Technical Data**
**Construction**

- Designed for direct installation into pipelines
- Simplex version, Duplex on request

**Materials**

- Filter housing: Carbon Steel  
Stainless Steel (on request)
- Sealing: PTFE / NBR (Buna-N®)  
PTFE / FKM (Viton®)

**Port Connections**

- ANSI or DIN flange

**Operating Pressure**

- Max. 16 bar / 232 PSI

**Flow Rating**

- Max. 13330 l/min / 3521 US GPM

**Temperature Range**

- -10 °C ... +100 °C / +14 °F ... +212 °F

**Media Compatibility**

- Water
- Coolant
- Others on request

**Options and Accessories**
**Filter Elements**

Stainless Steel basket screen filters from STAUFF's REL product line are used as filter elements, which are designed for flow from the inside to the outside. The filter elements are available in micron ratings between 50 µm and 200 µm. Solid particles collected in the basket are prevented from reaching the clean side of the water cycle when being replaced.

**Clogging Indicator**

- Differential Pressure Gauge
- visual / electrical / visual-electrical (see page 54)

**Drain Valve**

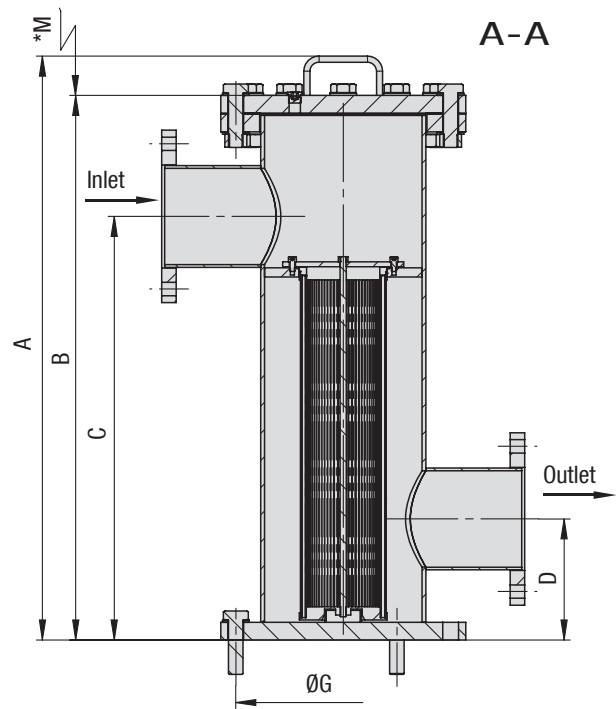
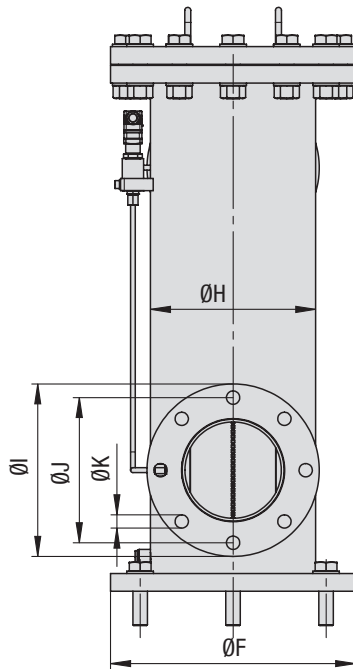
- Available as an option: Integrated into the filter housing



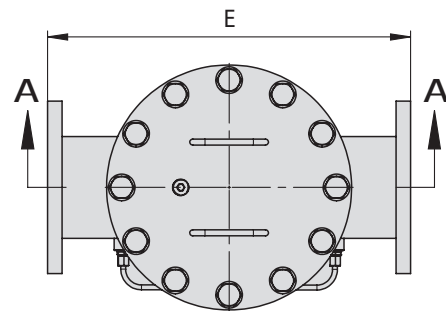
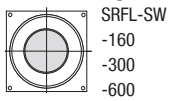
In-Line Filters ■ Type SRFL-SW-160 /-300 /-600

Version with handle

\* recommended space for element change



Detail arrangement of filter elements



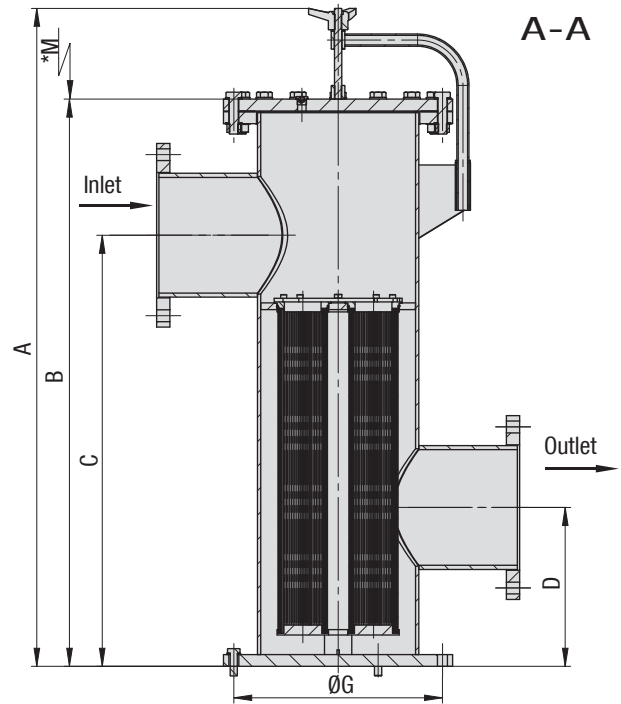
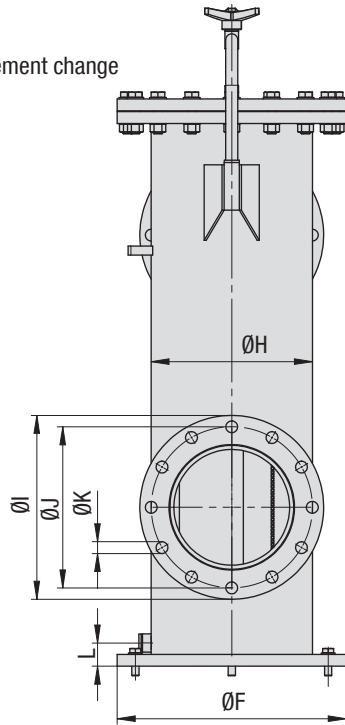
Flange Connection	Filter Size SRFL-SW		
	160	300	600
DIN	DN80	DN100	DN150
	DN50	DN125	-
ANSI	2	4	6
	3	5	-

Dimensions (mm/in)	Filter Size SRFL-SW		
	160	300	600
Filter Housing Material	CS/SS	CS/SS	CS/SS
A	840 33.07	965 38.00	965 38.00
B	775 30.51	900 35.43	900 35.43
C	600 23.62	700 27.56	700 27.56
D	250 9.84	200 7.87	200 7.87
E	440 17.32	500 19.69	600 23.62
ØF	340 13.39	340 13.39	405 15.94
ØG	295 11.61	295 11.61	355 13.98
ØH	219,1 8.63	219,1 8.63	273 10.75
ØI	200 7.87	220 8.66	285 11.22
ØJ	160 6.30	180 7.09	240 9.45
ØK	18 .71	18 .71	22 .87
M	400 15.75	650 25.60	650 25.60
Housing Capacity (l / US GPM)	26,2	31,3	52,9
	6.9	8.3	14
Filter Elements	Designation	REL-100	REL-100
	Quantity	1	1



**In-Line Filters ■ Type SRFL-SW-850 /-1000 /-1250**
**Version with lifting device**

\* recommended space for element change

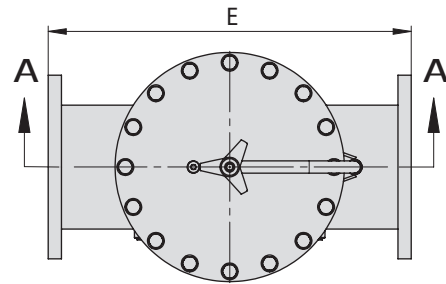

**Detail arrangement for filter elements**


SRFL-SW-850

SRFL-SW-1000

SRFL-SW-1250

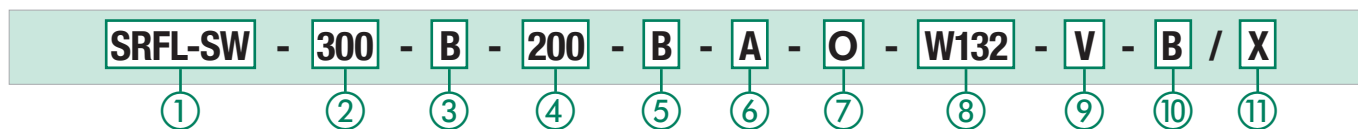
Flange Connection	Filter Size SRFL-SW		
	850	1000	1250
DIN	DN200	DN250	DN300
	DN150	-	-
ANSI	8	10	12
	-	-	-



Dimensions (mm/in)	Filter Size SRFL-SW					
	850		1000		1250	
Filter Housing Material	CS	SS	CS	SS		
A	1154	1150	1442	1450	1950	
	45.43	45.28	56.77	57.09	76.77	
B	962	950	1250	1250	1740	
	37.87	37.40	49.21	49.21	68.50	
C	750	750	950	950	1400	
	29.53	29.53	37.40	37.40	55.12	
D	300	300	350	350	400	
	11.81	11.81	13.78	13.78	15.75	
E	700	700	800	800	1100	
	27.56	27.56	31.50	31.50	43.31	
ØF	520	505	520	505	640	
	20.47	19.88	20.47	19.88	25.20	
ØG	470	460	470	460	585	
	18.50	18.11	18.50	18.11	23.03	
ØH	355,6	355,6	355,6	355,6	508	
	14.00	14.00	14.00	14.00	20.00	
ØI	340	340	405	405	460	
	13.39	13.39	15.94	15.94	18.11	
ØJ	295	295	355	355	410	
	11.61	11.61	13.98	13.98	16.14	
ØK	22	22	26	26	26	
	.87	.87	1.02	1.02	1.02	
M	650	650	850	850	850	
	25.59	25.59	33.46	33.46	33.46	
L	55	51	55	51	82	
	2.17	2.01	2.17	2.01	3.23	
Housing Capacity (l / US GPM)	96,5	96,5	138,6	138,6	392	
	25,5	25,5	36,6	36,6	103,6	
Filter Elements	Designation	REL-150	REL-150	REL-250	REL-250	REL-250
	Quantity	2	2	3	3	5



In-Line Filter Housing / Complete Filters ■ Type SRFL-SW



① Type

In-Line Filter Simplex Water **SRFL-SW**

② Group

Flow	Size
650 l/min / 160 US GPM	<b>160</b>
1200 l/min / 300 US GPM	<b>300</b>
2500 l/min / 600 US GPM	<b>600</b>
6000 l/min / 1500 US GPM	<b>850</b>
8300 l/min / 2000 US GPM	<b>1000</b>
13330 l/min / 3300 US GPM	<b>1250</b>

③ Filter Material

Material	Micron Ratings Available	Code
Without filter element	-	<b>0</b>
Stainless mesh	50, 80, 100, 125, 200	<b>B</b>

④ Micron Rating

50 µm	<b>50</b>
80 µm	<b>80</b>
100 µm	<b>100</b>
125 µm	<b>125</b>
200 µm	<b>200</b>

Note: Other micron ratings on request.

⑤ Sealing Material

PTFE / NBR (Buna®)	<b>B</b>
PTFE / FKM (Viton®)	<b>V</b>

Note: Other sealing materials on request.

⑥ Connection Style

Connection Style	Group						Code
	160	300	600	850	1000	1250	
DIN flange	DN80	DN100	DN150	DN200	DN250	DN300	<b>D</b>
	DN50	DN125	-	DN150	-	-	<b>D1</b>
ANSI flange	2"	4"	6"	8"	10"	12"	<b>A</b>
	3"	5"	-	-	-	-	<b>A1</b>

⑦ Connection Location

Opposite side	<b>0</b>
---------------	----------

⑧ Housing Material

Carbon Steel	<b>W132</b>
Stainless Steel	<b>W4</b>

⑨ Clogging Indicator

Without Clogging Indicator	<b>0</b>
Differential Pressure Gauge	<b>V</b>

Note: Other clogging indicators on request.

⑩ Drain Valve

Closed	<b>0</b>
Ball Valve	<b>B</b>

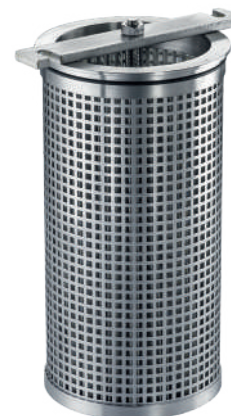
⑪ Design Code

Only for information	<b>X</b>
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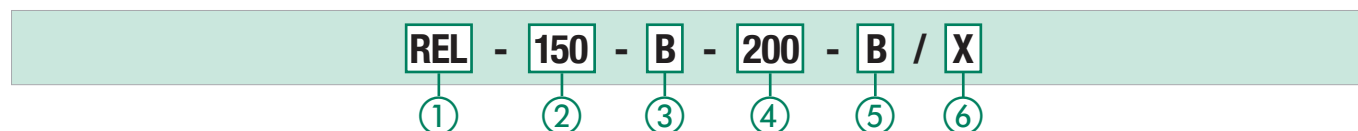
Filter Elements ■ Type REL

Product Description

Stainless Steel basket screen filters from STAUFF's REL product line are used as filter elements, which are designed for flow from the inside to the outside. Micron ratings ranging from 50 µm to 200 µm are available. Solid particles collected in the basket are prevented from reaching the clean side of the water cycle when being replaced. The filter element construction as a Stainless Steel basket screen filter ensures a long service life.



Order Code



① Type

Filter Element Series **REL**

② Group

Designation	Number of Filter Elements	Size
<b>REL-100</b>	1	160
<b>REL-150</b>	1	300
<b>REL-150</b>	1	600
<b>REL-150</b>	2	850
<b>REL-250</b>	3	1000
<b>REL-250</b>	5	1250

③ Filter Material

Material	Max. Δp*Collapse	Micron Ratings Available	Code
Stainless mesh	10 bar / 145 PSI	50, 80, 100, 125, 200	<b>B</b>

④ Micron Rating

50 µm	<b>50</b>
80 µm	<b>80</b>
100 µm	<b>100</b>
125 µm	<b>125</b>
200 µm	<b>200</b>

⑤ Sealing Material

NBR (Buna®)	<b>B</b>
FKM (Viton®)	<b>V</b>

⑥ Design Code

Only for information	<b>X</b>
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### Differential Pressure Gauge

A visual clogging indicator, the function of which is based on the differential pressure between the contaminated and clean side of the filter elements, is available as an option, and enables a convenient determination of the condition of the basket filter.

#### Nominal Size

- 80 mm / 3.15 in

#### Range of Scale

- 0 ... 1 bar / 0 ... 14.5 PSI

#### Operating Pressure

- Max. 100 bar / 1450 PSI

#### Permissible Temperatures

- Ambient: 0 ... +60 °C / 0 ... +140 °F
- Media: up to +100 °C / +212 °F

#### Material

- Housing: Die-cast Aluminium, black
- Sight glass: Acrylic
- Indicator: Aluminium, black

#### Protection Rating

- IP 54 protection rating: Dust protected and protected against splashing water







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