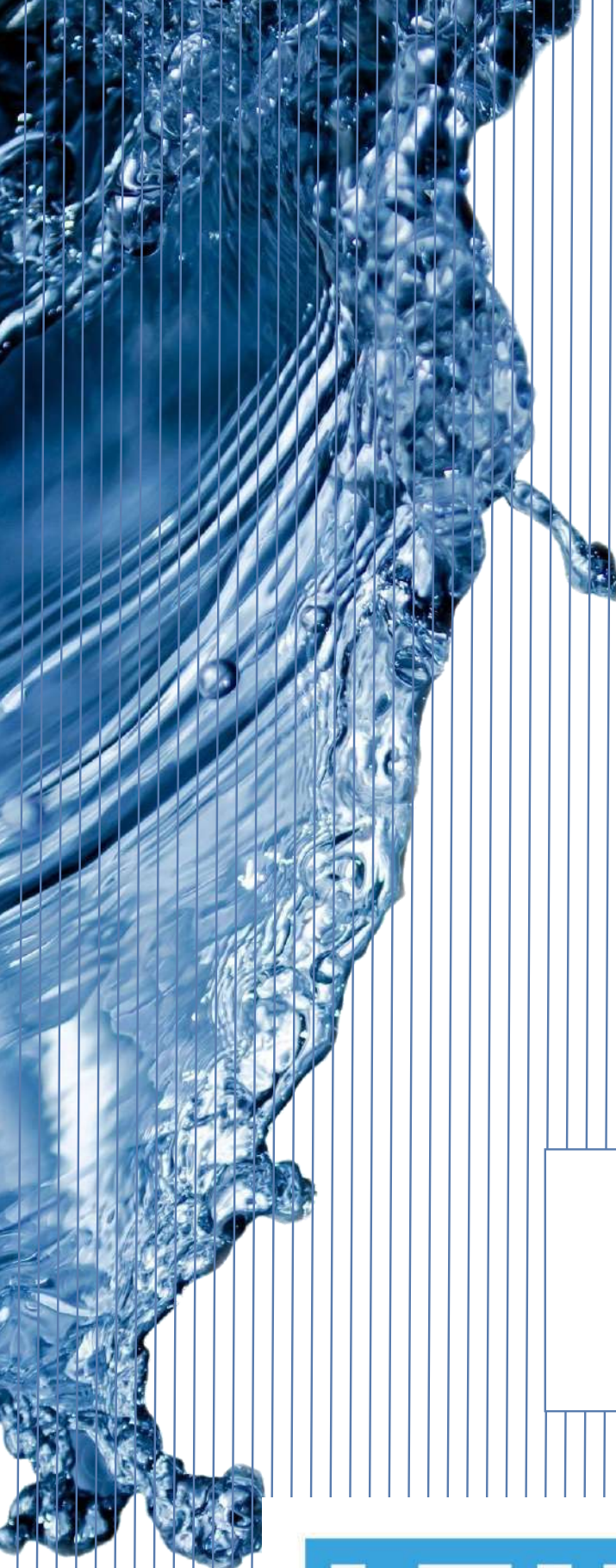




STAUFF
Return-line filters
RTF-10/15/25



 HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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Return-Line Filters ■ Type RTF-10/15/25



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Product Description

STAUFF RTF-10/15/25 Return-Line Filters are designed as tank top filters with a maximum operating pressure of 3,4 bar / 49 PSI.

Technical Data

Construction

- Tank Top flange mounting

Materials

- Filter head: Aluminium
- Filter bowl: Polyamide
- Sealings: NBR (Buna-N®)
FKM (Viton®)
Other sealing materials on request

Port Connections

- BSP
- NPT
- SAE O-ring thread

Flow Rating

- Up to 95 l/min / 25 US GPM

Operating Pressure

- Max. 3,4 bar / 49 PSI

Burst Pressure

- Min. 10 bar / 145 PSI

Temperature Range

- -25 °C ... +95 °C / -13 °F ... +203 °F

Filter Elements

- Specifications see page 106

Media Compatibility

- Mineral oils, other fluids on request

Options and Accessories

Valve

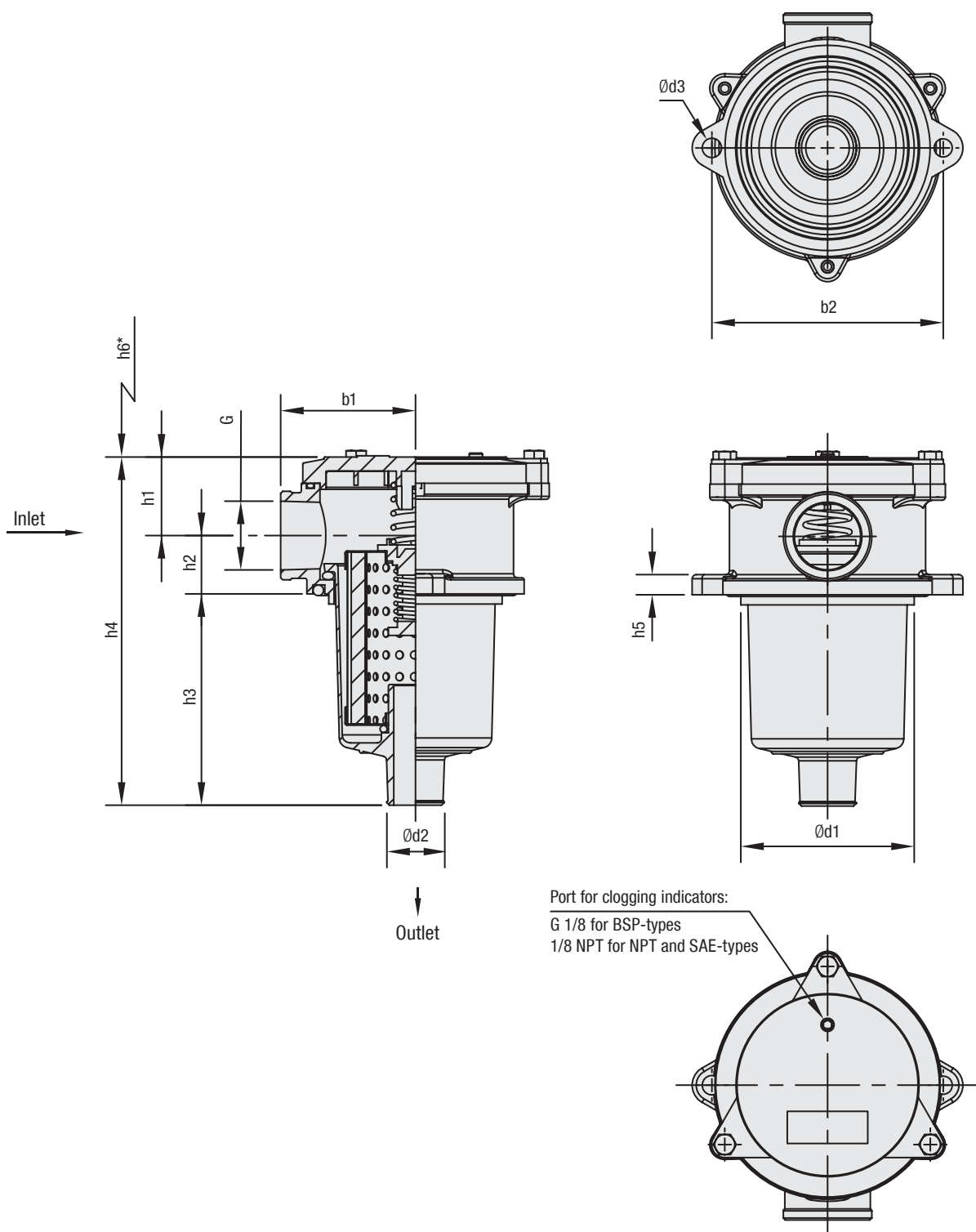
- Bypass valve: Opening pressure 1,7 bar / 25 PSI
(integrated in the
filter element) Other settings available on request

Clogging Indicators

- For clogging indicator types please see page 125



Return-Line Filters ■ Type RTF-10/15/25



* recommended space for element change



Return-Line Filters ■ Type RTF-10/15/25

Thread Connection G	Filter Size RTF		
	10	15	25
BSP	1/2	1	1
NPT	1/2	1	1
SAE O-ring	-	1-5/16-12	1-5/16-12

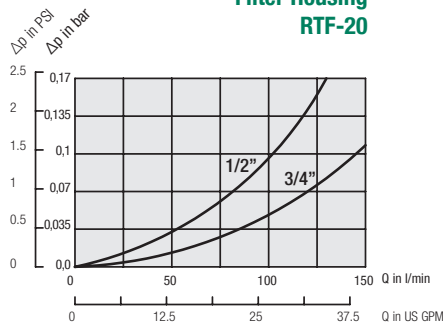
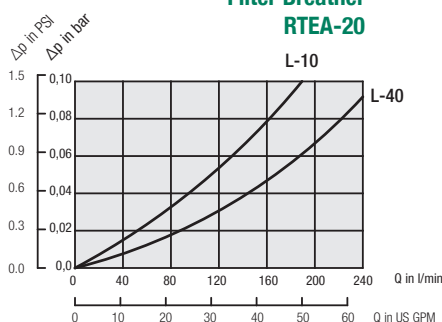
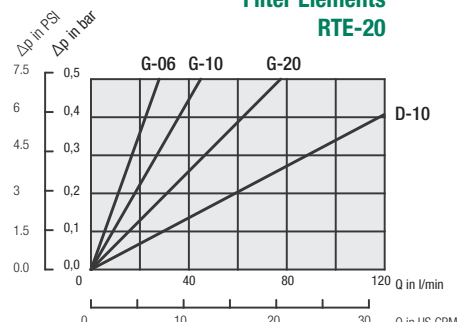
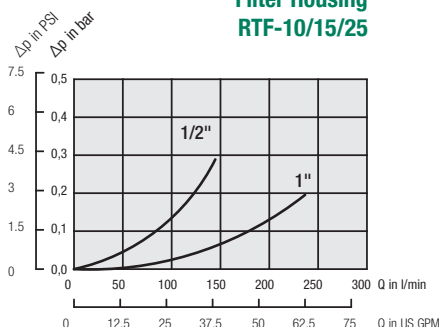
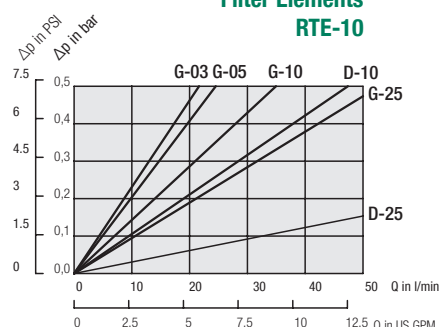
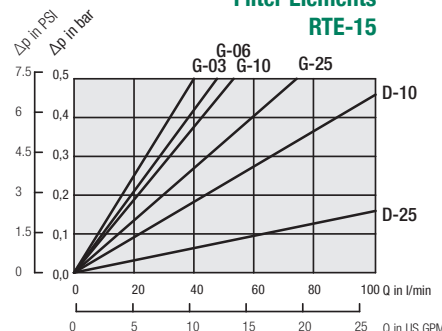
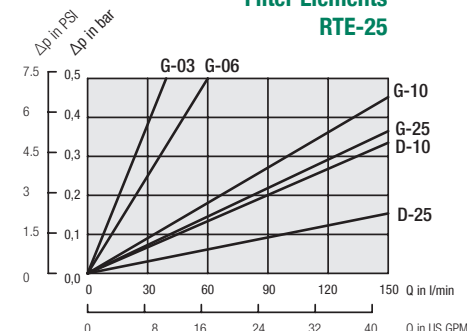
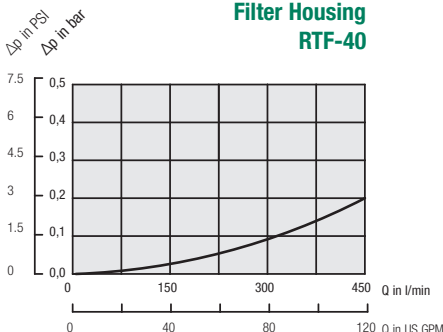
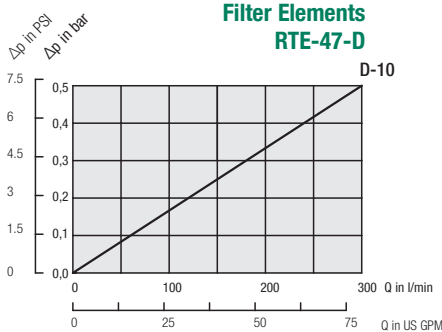
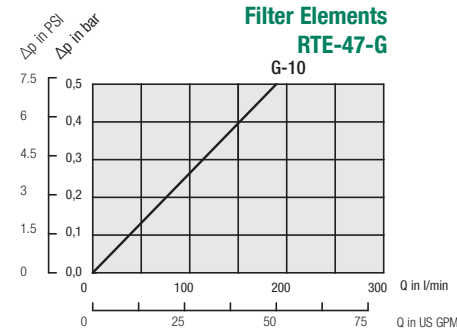
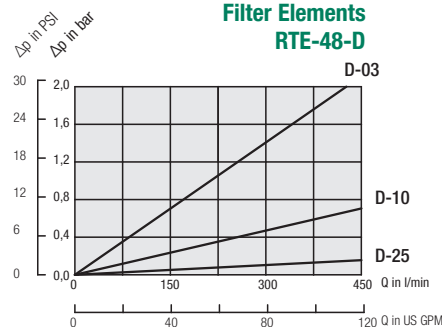
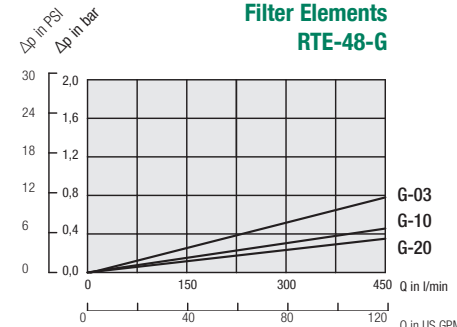
Dimensions (mm/in)	Filter Size RTF		
	10	15	25
h1	26	34	34
	1.02	1.34	1.34
h2	21	29	29
	.83	1.14	1.14
h3	89	103	149
	3.50	4.05	5.87
h4	136	166	212
	5.35	6.53	8.35
h5	8	10	10
	.32	.39	.39
h6	110	130	175
	4.33	5.12	6.89
b1	50	67	67
	1.97	2.64	2.64
b2	90	115	115
	3.54	4.52	4.52
d1	66	86	86
	2.60	3.39	3.39
d2	24	28	28
	.94	1.10	1.10
d3	7	9	9
	.28	.35	.35
Weight (kg/lbs)	0,45	0,9	1
	1	2	2.2

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Return-Line Filters • Type RTF Flow Characteristics

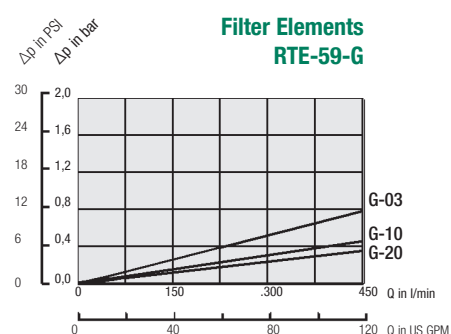
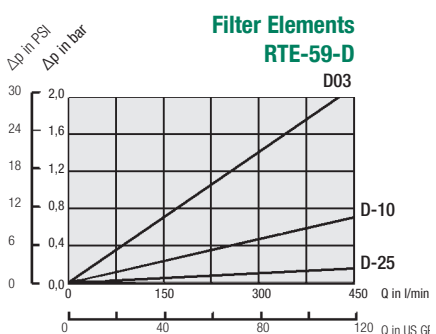
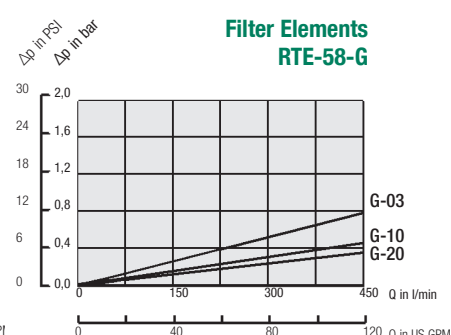
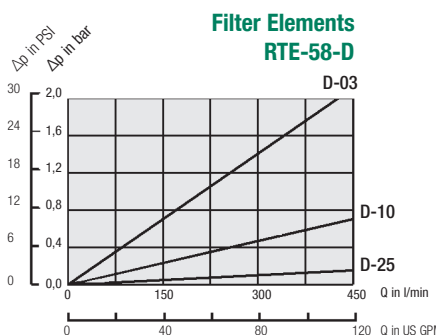
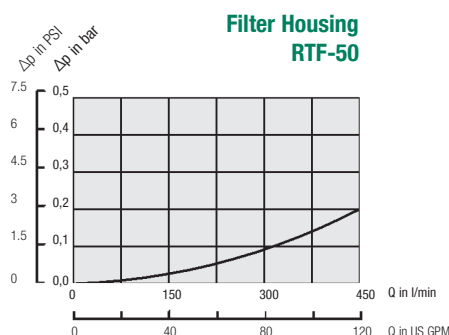
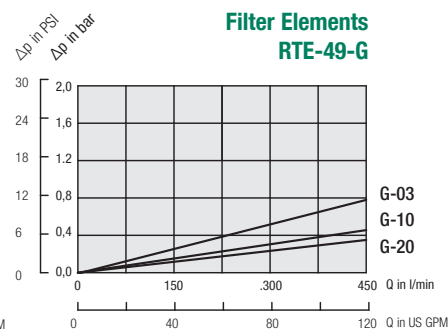
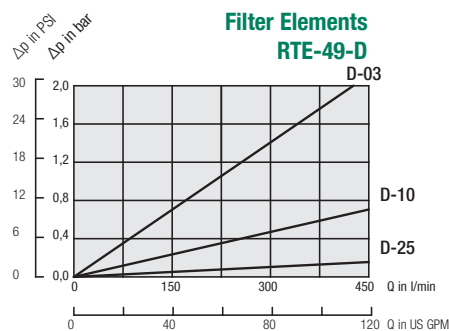
The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s (30cSt). The characteristics have been determined in accordance to ISO 3968. Multipass filter ratings have been obtained in accordance to ISO 16889. The housing pressure drop is directly proportional to the oil density. Contact STAUFF for details.

Filter Housing
RTF-20

Filter Breather
RTEA-20

Filter Elements
RTE-20

Filter Housing
RTF-10/15/25

Filter Elements
RTE-10

Filter Elements
RTE-15

Filter Elements
RTE-25

Filter Housing
RTF-40

Filter Elements
RTE-47-D
Filter Elements
RTE-47-G
Filter Elements
RTE-48-D
Filter Elements
RTE-48-G

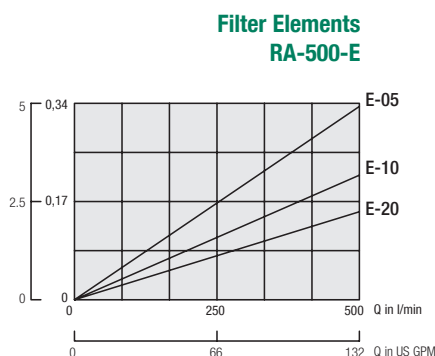
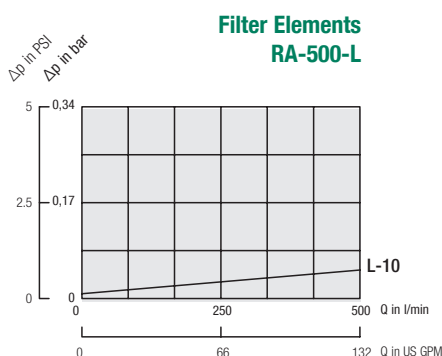
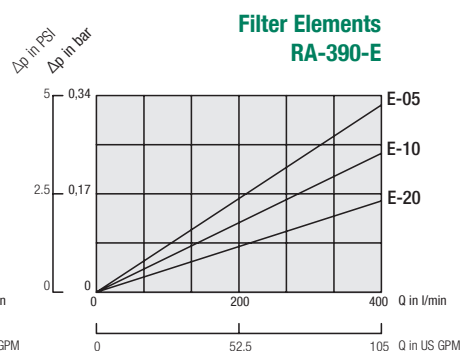
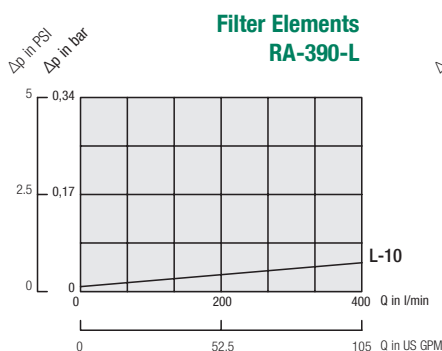
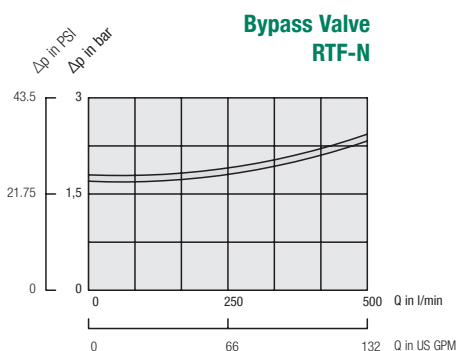
Return-Line Filters ■ Type RTF Flow Characteristics

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Note: Element pressure drop curves are for "S1" single elements. For "S2" double elements use 50% of the "S1" Value.



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