



STAUFF
Return-line filters
RTF-N



 HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



All trademarks belong to their respective owners; third party trademarks, product names, trade names, corporate names and company names mentioned may be trademarks of their respective owners or registered trademarks of other companies and are used for instructional purposes and for the benefit of the owner, without any end of Copyright infringement in force.

Tutti i marchi riportati appartengono ai legittimi proprietari; marchi di terzi, nomi di prodotti, nomi commerciali, nomi corporativi e società citati possono essere di proprietà dei rispettivi titolari o registrati da altre società e sono stati utilizzati a puro scopo esplicativo e a beneficio del possessore, senza alcun fine di violazione dei diritti di Copyright vigenti.

Return-Line Filters ■ Type RTF-N



D

Product Description

STAUFF RTF-N Return-Line Insert Filters allow for a choice of installation configurations which permits custom reservoir design with an in tank filtering system. The filters are installed semi-immersed or totally immersed into a reservoir. The filtration flow is from inside to the outside of the element which ensures that all the contaminant is collected inside the element itself avoiding contact with the reservoir fluid during element change. The combination of magnetic pre-filtration and high filtration efficiency results in a cost effective and versatile filtration system.

Technical Data

Construction

- Insert filter

Materials

- Flange plate: Aluminium
- Magnet rod: Steel
- Bypass: Steel
- Diffuser: Steel
- Sealings: NBR (Buna-N®)
FKM (Viton®)
Other sealing materials on request

Flow Rating

- Up to 500 l/min / 132 US GPM

Operating Pressure

- Max. 10 bar / 145 PSI

Temperature Range

- -29 °C ...+107 °C / -20 °F ... +225 °F

Filter Elements

- Specifications see page 122

Media Compatibility

- Mineral oils, other fluids on request

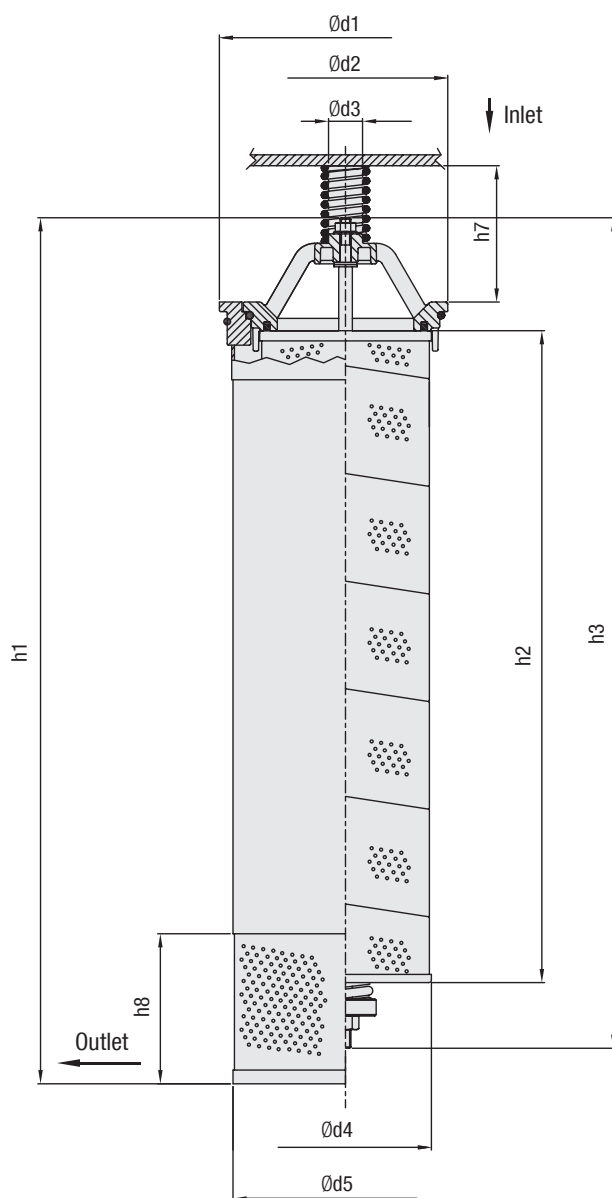
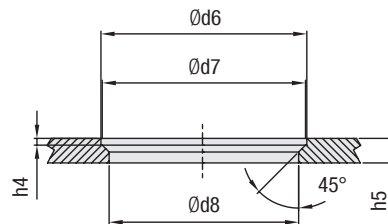
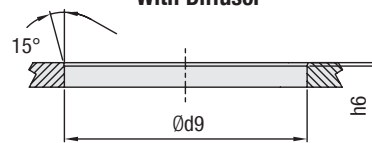
Options and Accessories

Valve

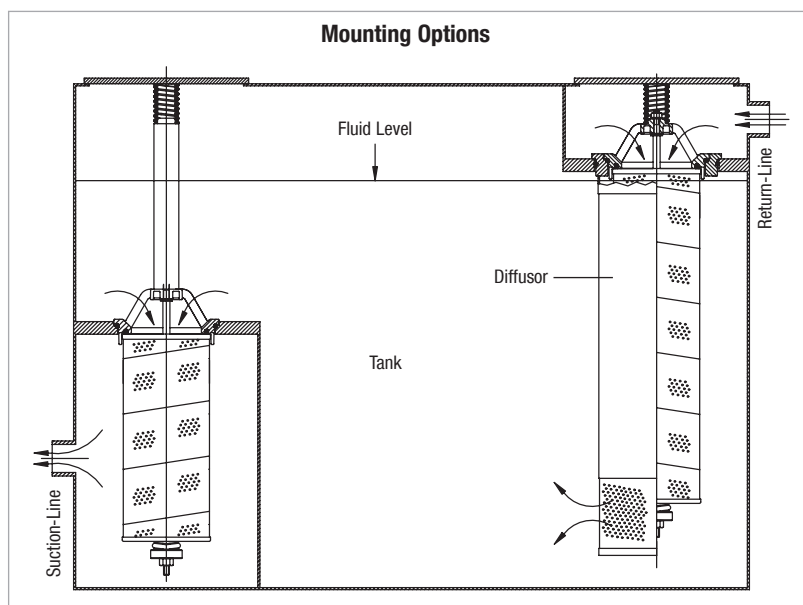
- Bypass valve: Opening pressure 1,5 bar / 22 PSI
(integrated in the filter element) Other settings available on request



Return-Line Filters ■ Type RTF-N

Tank hole for mounting
Without DiffusorTank hole for mounting
With Diffusor

Mounting Options



Return-Line Filters ■ Type RTF-N

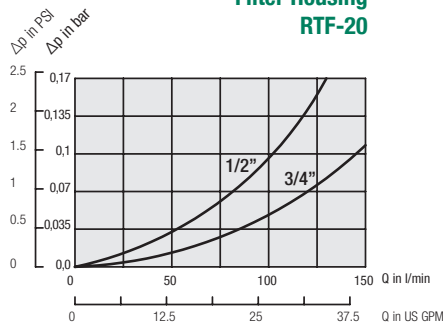
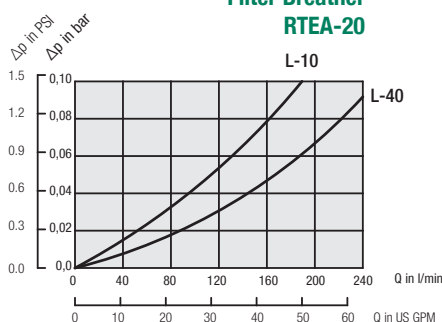
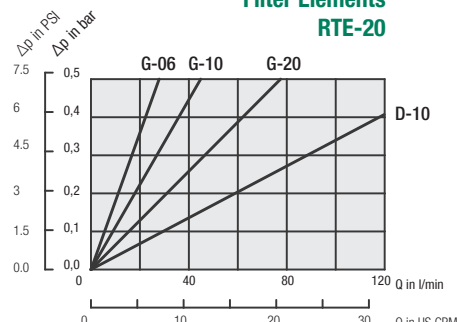
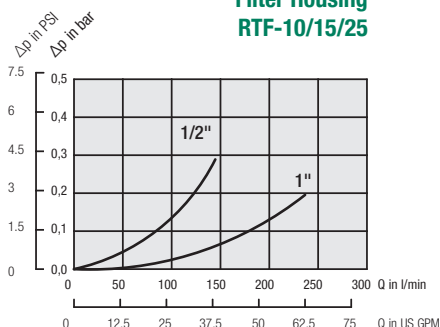
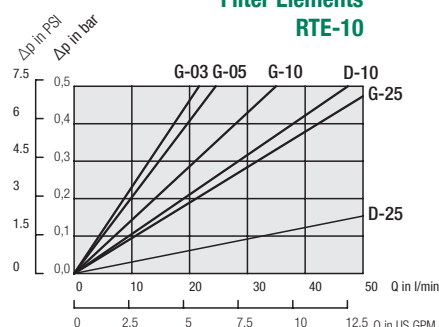
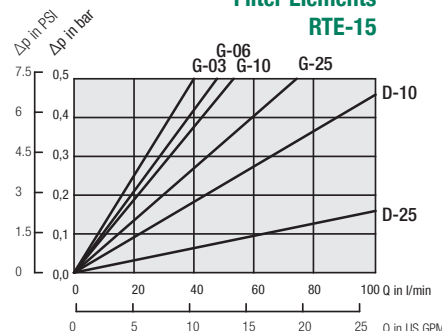
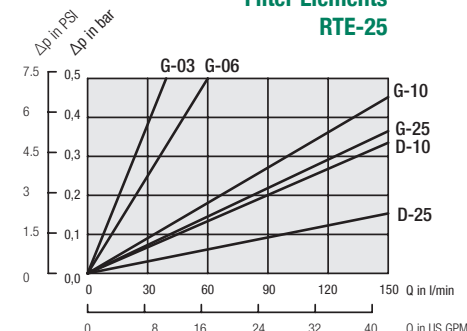
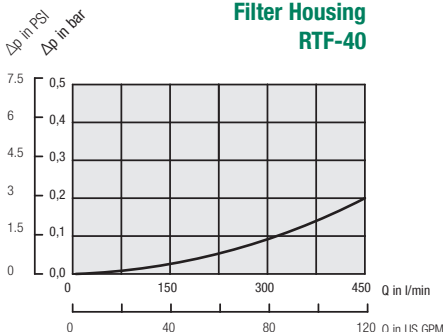
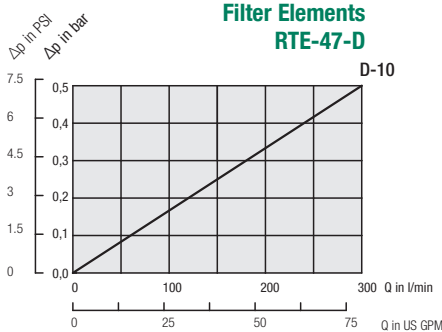
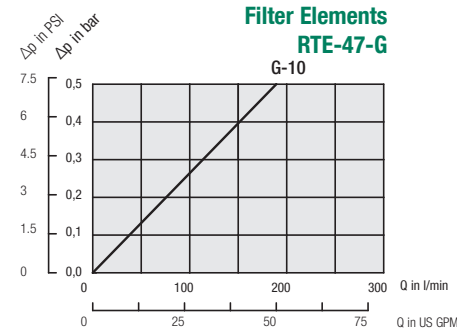
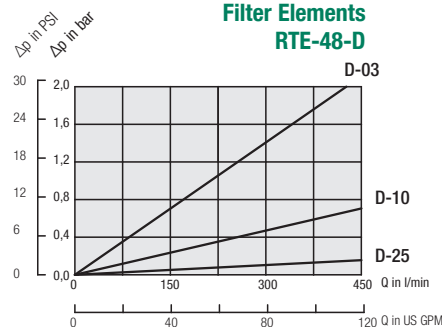
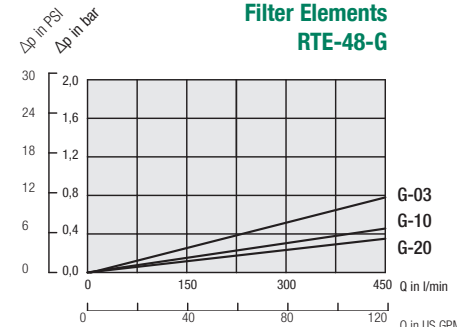
Dimensions (mm/in)	Filter Size RTF-N	
	390	500
h1	445	635
	17.52	25.00
h2	290	478
	11.42	18.82
h3	421	609
	16.57	23.98
h4	5	5
	.20	.20
h5	18	18
	.71	.71
h6	2,5	2,5
	.10	.10
h7	100	100
	3.94	3.94
h8	110	110
	4.33	4.33
d1	185	185
	7.28	7.28
d2	150	150
	5.91	5.91
d3	25	25
	.98	.98
d4	126	126
	4.95	4.95
d5	165	165
	6.50	6.50
d6	151	151
	5.94	5.94
d7	149	149
	5.87	5.87
d8	139	139
	5.47	5.47
d9	178	178
	7.01	7.01

D



Return-Line Filters ■ Type RTF Flow Characteristics

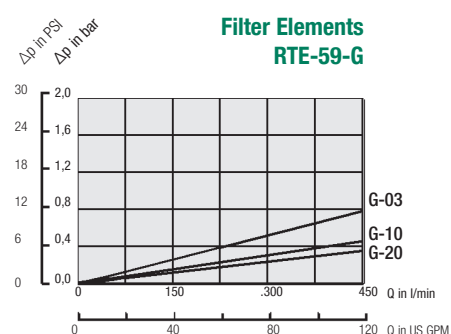
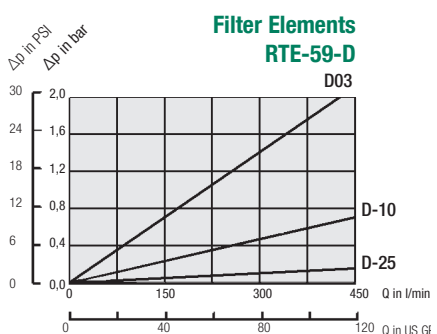
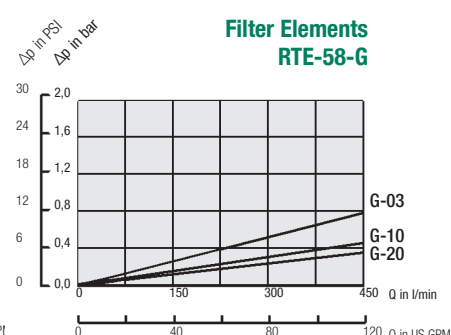
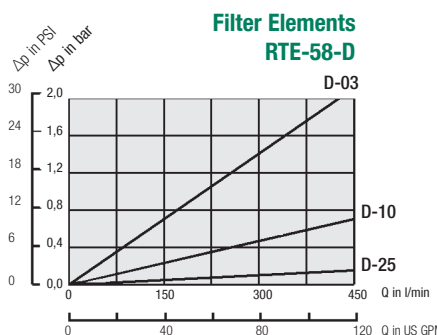
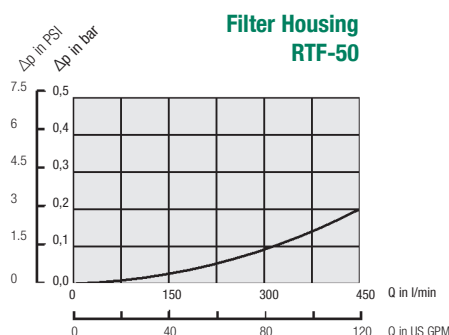
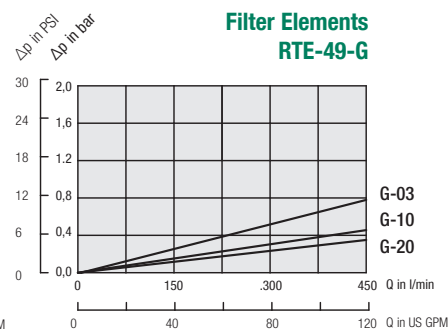
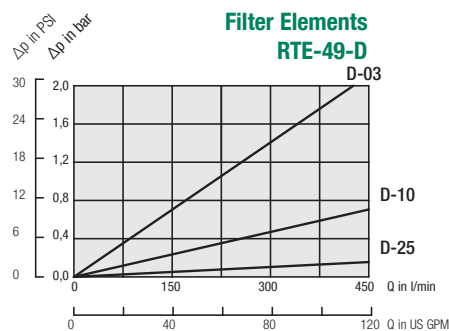
The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s (30cSt). The characteristics have been determined in accordance to ISO 3968. Multipass filter ratings have been obtained in accordance to ISO 16889. The housing pressure drop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

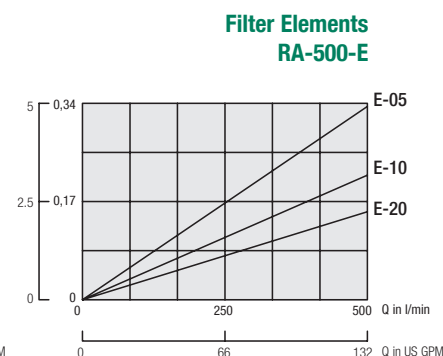
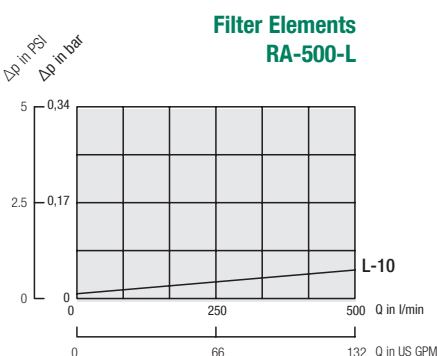
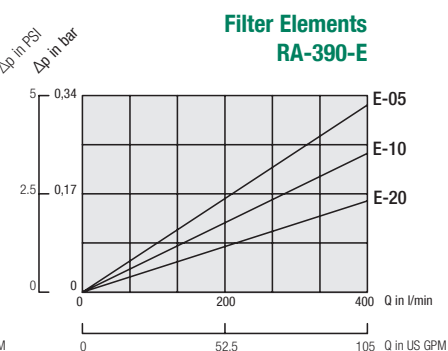
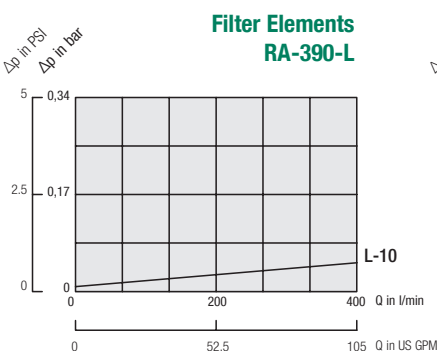
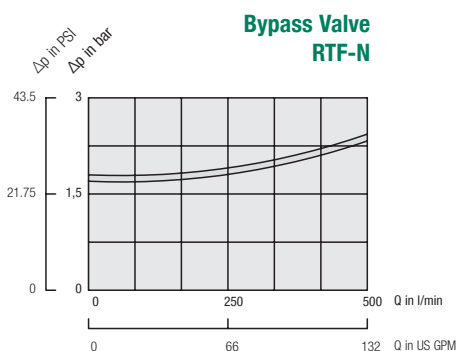
Return-Line Filters ■ Type RTF Flow Characteristics

The following characteristics are valid for mineral oils with a density of $0,85 \text{ kg/dm}^3$ and the kinematic viscosity of $30 \text{ mm}^2/\text{s}$ (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.

D



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



LubeTeam Hydraulic S.r.l.

Administration and Headquarter:

Via Tufara Scautieri, 6

83018 - San Martino Valle Caudina (AV)

Office and Warehouse:

S.S. 7 Appia, Km. 237,00

82011 - Airola BN

ITALY

Tel. +39 0823 950 994

Fax +39 0823 412 546

www.lubeteam.it info@lubeteam.it

Italian VAT / C.F. e P.IVA: 01251720627

Follow us



This document is the property of LubeTeam Hydraulic S.r.l. All data reported here are for the exclusive use of the Receiver. Reproduction is not authorized without writing permission, in all or in part of the content of this document, in accordance to Law 633 art. 171, dated April 22, 1941.

Il presente documento è di proprietà della LubeTeam Hydraulic S.r.l. I dati riportati sono per esclusivo del destinatario. La riproduzione, di tutto o in parte, non è autorizzata senza permesso scritto secondo l'art. 171 della L. 633 del 22 Aprile 1941.