TECHNICAL DATASHEET

Guard Item Code	:	169730
Item Code	:	CU040M90N
Filter Material	:	Wiremesh
Filter Fineness	:	90 micron
Seal	:	NBR
Collapse ΔP	:	10 bar
Bypass Valve	:	None

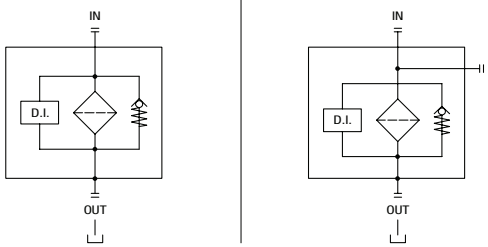
Flow rates [l/min]

		Filter element design - N Series							
Filter series	Length	A03	A06	A10	A16	A25	M25 M60 M90	P10	P25
FRI 025	**1**	6	10	17	19	43	122	43	47
FRI 040	**1**	19	23	43	45	94	155	94	102
FRI 100	**1**	32	34	89	92	187	260	187	206
FRI 250	**1**	144	179	271	300	448	645	448	490
FRI 255	**1**	144	179	271	300	448	645	448	490
FRI 630	**1**	242	279	508	577	834	1446	834	911
FRI 850	**1**	440	541	971	1143	1705	2528	1705	1880

Maximum flow rate for a complete return filter with a pressure drop Δp = 0.5 bar.
The reference fluid has a kinematic viscosity of 30 mm^2/s (cSt) and a density of 0.86 kg/dm^3.
For different pressure drop or fluid viscosity we recommend to use our selection software available on www.mpfiltri.com.
Please, contact our Sales Department for further additional information.

Hydraulic symbols

Filter series	Style 1 connection + Diff. indic.	Style 2 connections + Diff. indic.
FRI 025		•
FRI 040		•
FRI 100		•
FRI 250		•
FRI 255	•	
FRI 630		•
FRI 850	•	



Designation & Ordering code

COMPLETE FILTER

Configuration example 1:	FRI025	B	A	G1	A25	N	P01
Configuration example 2:	FRI040	S	W	G2	M25	N	P01

Series and size
- **FRI025**
- **FRI040**

Bypass valve
- **B** With bypass
- **S** Without bypass

Seals and treatments

		Axx	Mxx	Pxx
A	NBR	•	•	•
V	FPM	•	•	•
W	NBR head anodized	•	•	
Z	FPM head anodized	•	•	

filter element compatible with fluids HFA-HFB-HFC

Connections for FRI025

G1	G 1/2”
G2	1/2” NPT
G3	SAE 8 - 3/4” - 16 UNF

Connections for FRI040

G 3/4”
3/4” NPT
SAE 12 - 1 1/16” - 12 UN

Filtration rating (filter media)

A03	Inorganic microfiber 3 µm	**M25**	Wire mesh 25 µm
A06	Inorganic microfiber 6 µm	**M60**	Wire mesh 60 µm
A10	Inorganic microfiber 10 µm	**M90**	Wire mesh 90 µm
A16	Inorganic microfiber 16 µm	**P10**	Resin impregnated paper 10 µm
A25	Inorganic microfiber 25 µm	**P25**	Resin impregnated paper 25 µm

Element Δp
- **N** 10 bar

Execution
- **P01** MP Filtri standard
- **Pxx** Customized

FILTER ELEMENT

Configuration example 1:	CU025	A25	N	P01
Configuration example 2:	CU040	M25	W	P01

Element series and size
- **CU025**
- **CU040**

Filtration rating (filter media)

A03	Inorganic microfiber 3 µm	**M25**	Wire mesh 25 µm
A06	Inorganic microfiber 6 µm	**M60**	Wire mesh 60 µm
A10	Inorganic microfiber 10 µm	**M90**	Wire mesh 90 µm
A16	Inorganic microfiber 16 µm	**P10**	Resin impregnated paper 10 µm
A25	Inorganic microfiber 25 µm	**P25**	Resin impregnated paper 25 µm

Seals and treatments

		Axx	Mxx	Pxx
N	NBR	•	•	•
V	FPM	•	•	•
W	NBR	•	•	
Z	FPM	•	•	

filter element compatible with fluids HFA-HFB-HFC

Execution
- **P01** MP Filtri standard
- **Pxx** Customized

ACCESSORIES

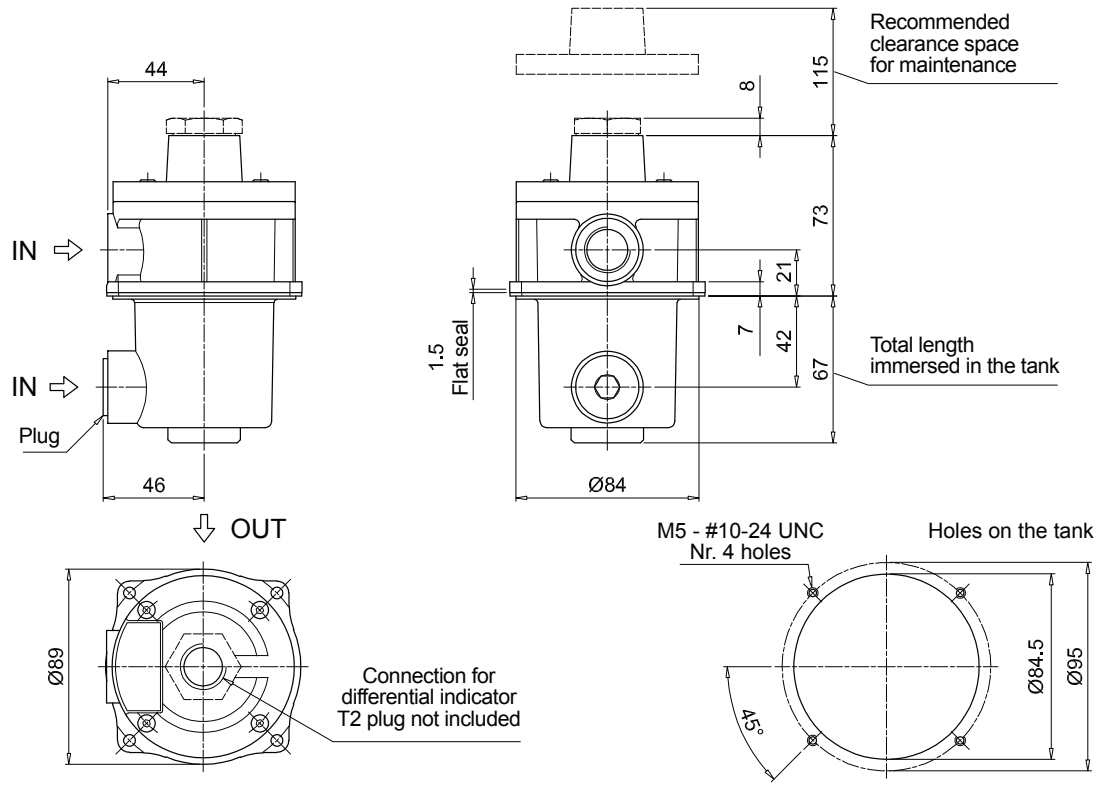
Indicators

		page
DEA	Electrical differential indicator	242
DEM	Electrical differential indicator	242-243
DLA	Electrical / visual differential indicator	243-244
DLE	Electrical / visual differential indicator	244
DTA	Electronic differential indicator	245
DVA	Visual differential indicator	245
DVM	Visual differential indicator	245

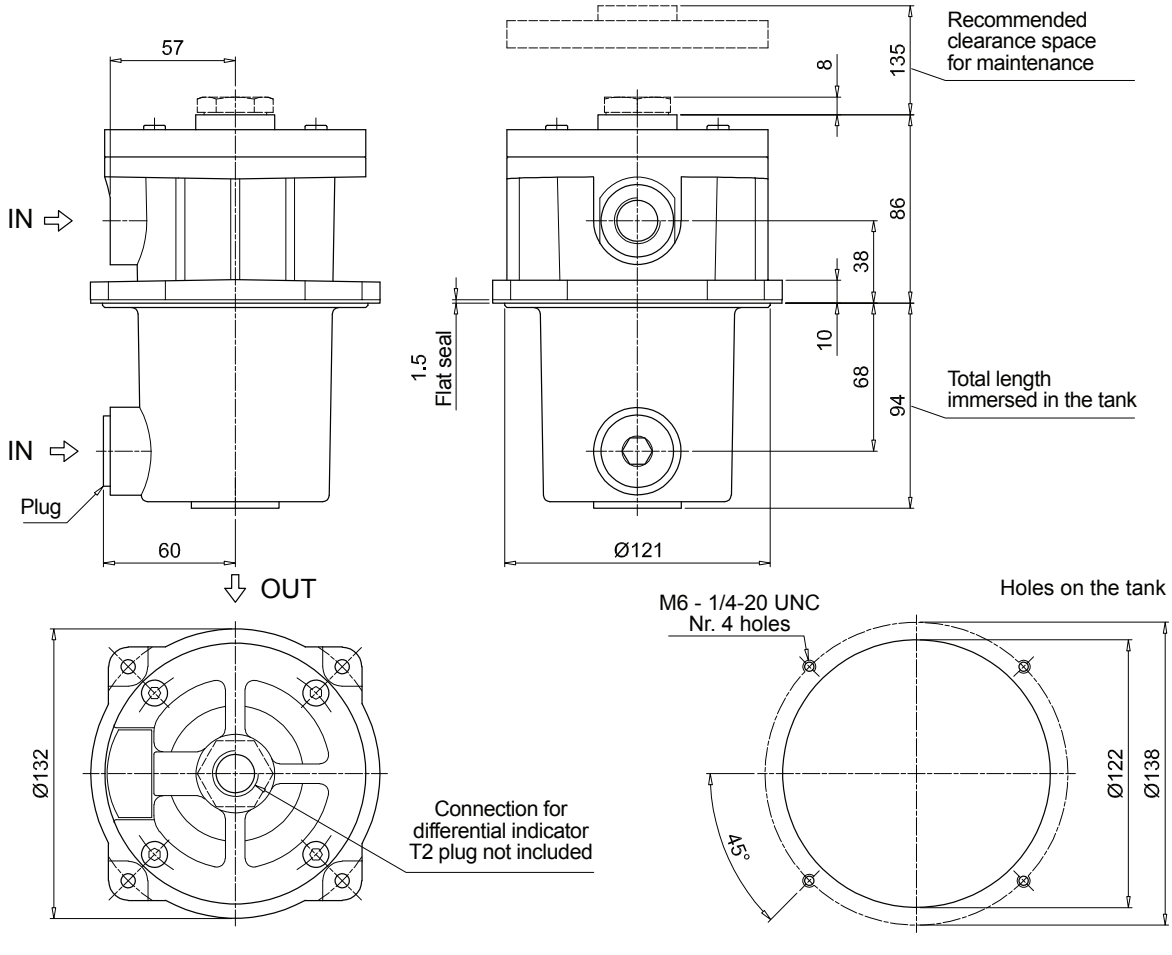
Additional features

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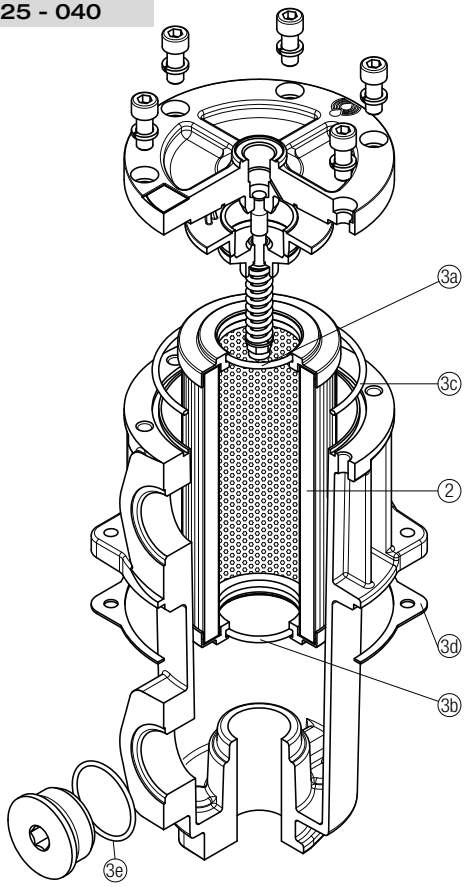
FRI025



FRI040

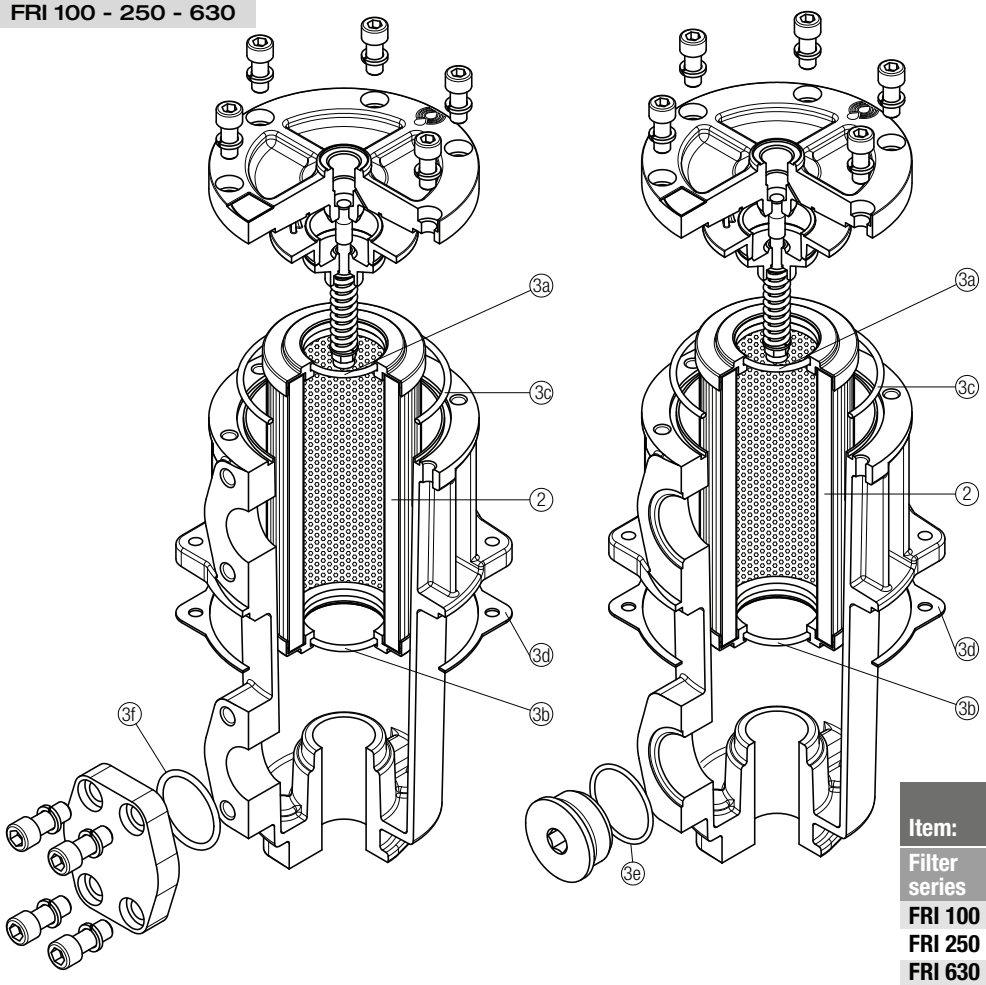


FRI 025 - 040



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3e)	
Filter series	Filter element	Seal Kit code number NBR	FPM
FRI 025	See order table	02050213	02050220
FRI 040		02050214	02050221

FRI 100 - 250 - 630



Item:	Q.ty: 1 pc. 2	Q.ty: 1 pc. 3 (3a ÷ 3f)	
Filter series	Filter element	Seal Kit code number NBR	FPM
FRI 100	See order table	02050215	02050222
FRI 250		02050216	02050223
FRI 630		02050217	02050224