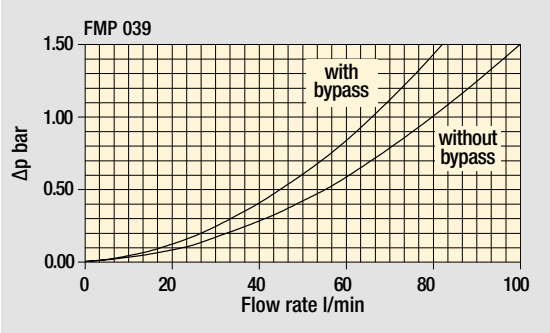
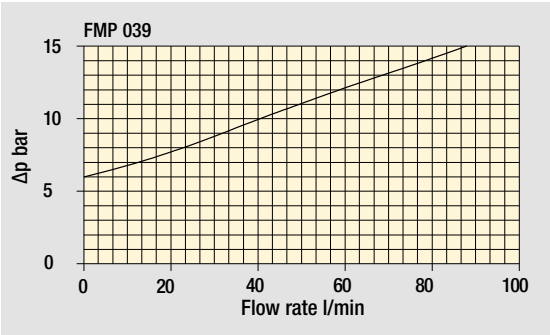
Pressure drop

Filter housings Δp pressure drop



Bypass valve pressure drop



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

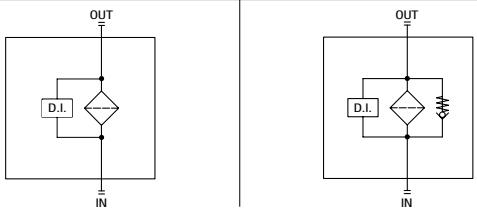
Flow rates [l/min]

		Filter element design - N Series					
Filter series	Length	A03	A06	A10	A16	A25	M25
FMP 039	2	20	26	45	52	61	97
	3	35	39	56	64	76	98
	4	44	48	66	71	82	92

Maximum flow rate for a complete pressure filter with a pressure drop Δp = 1.5 bar.
The reference fluid has a kinematic viscosity of 30 mm²/s (cSt) and a density of 0.86 kg/dm³.
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 S	Style B
FMP 039	•	•



FMP039

Designation & Ordering code

COMPLETE FILTER

Configuration example: FMP039 | 3 | B | A | B | 6 | A03 | N | P01

Series and size
FMP039

Length
2 | **3** | **4**

Valves
S Without bypass
B 6 bar

Seals
A NBR
V FPM

Connections
A G 1/2”
B 1/2” NPT
C SAE 8 - 3/4” - 16 UNF

Connection for differential indicator
1 Without
6 With two connections on both sides

Filtration rating (filter media)

A03	Inorganic microfiber 3 µm	**A16**	Inorganic microfiber 16 µm
A06	Inorganic microfiber 6 µm	**A25**	Inorganic microfiber 25 µm
A10	Inorganic microfiber 10 µm	**M25**	Wire mesh 25 µm

Element Δp
N 20 bar

Execution
P01 MP Filtri standard
Pxx Customized

FILTER ELEMENT

Configuration example: HP039 | 3 | A03 | A | N | P01

Element series and size
HP039

Element length
2 | **3** | **4**

Filtration rating (filter media)

A03	Inorganic microfiber 3 µm	**A16**	Inorganic microfiber 16 µm
A06	Inorganic microfiber 6 µm	**A25**	Inorganic microfiber 25 µm
A10	Inorganic microfiber 10 µm	**M25**	Wire mesh 25 µm

Seals
A NBR
V FPM

Element Δp
N 20 bar

Execution
P01 MP Filtri standard
Pxx Customized

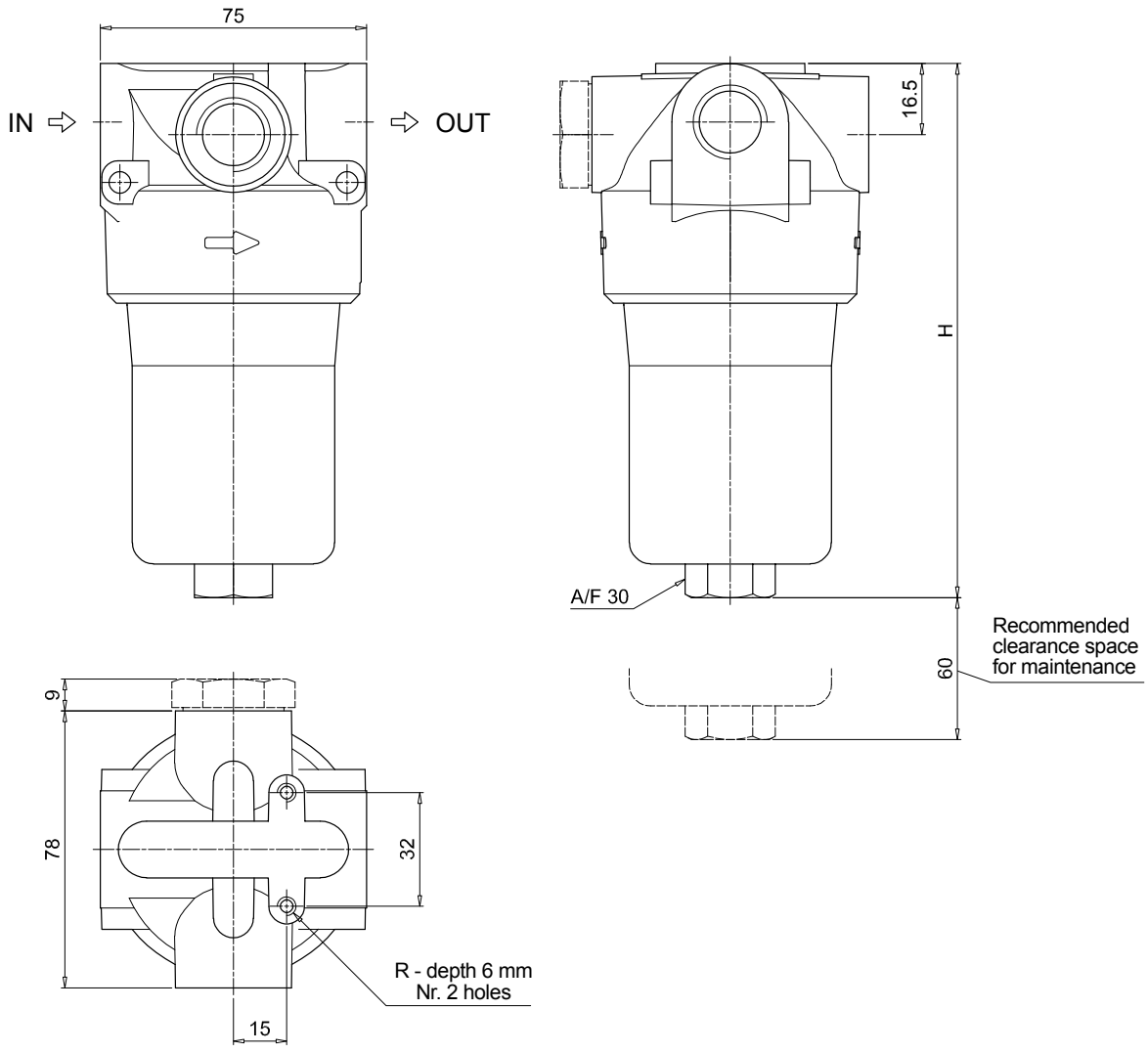
ACCESSORIES

Differential indicators

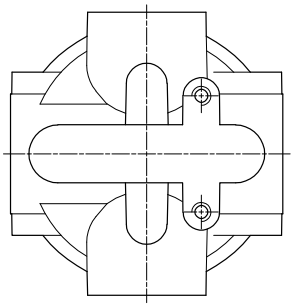
		page
DEA	Electrical differential indicator	563
DEH	Hazardous area electronic differential indicator	563-564
DEM	Electrical differential indicator	564-565
DLA	Electrical / visual differential indicator	565-566
DLE	Electrical / visual differential indicator	566
DTA	Electronic differential indicator	567
DVA	Visual differential indicator	567
DVM	Visual differential indicator	567

Additional features

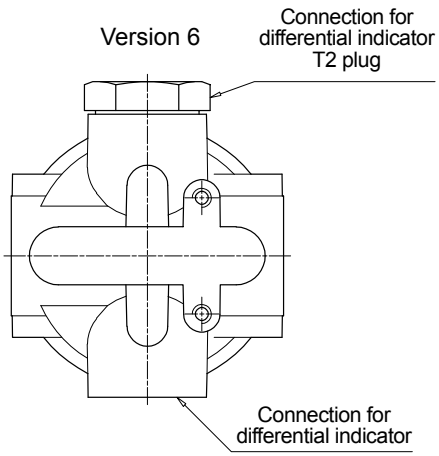
		page
T2	Plug	568



Version 1



Version 6



The position of the T2 plug is reversible

FMP039	
Filter length	**H [mm]**
2	151
3	194
4	238

Connections	**R**
A	M6
B - C	1/4" UNC