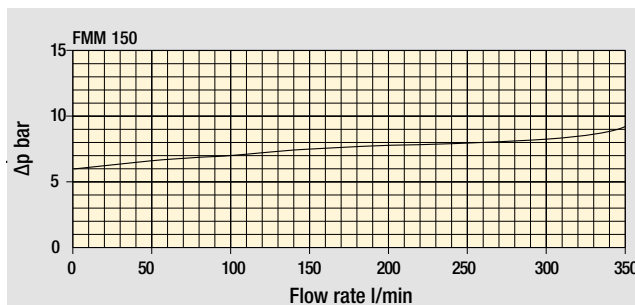
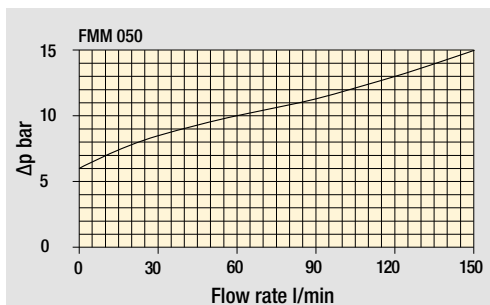
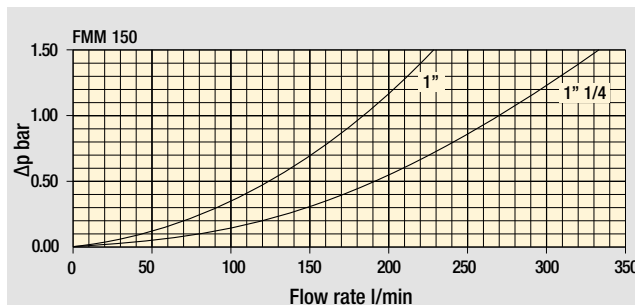
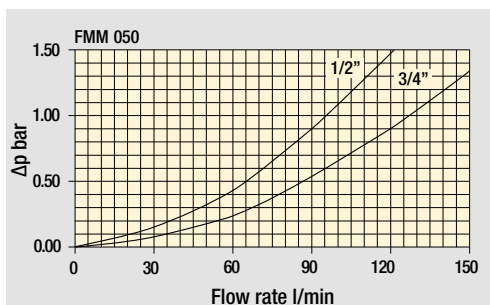
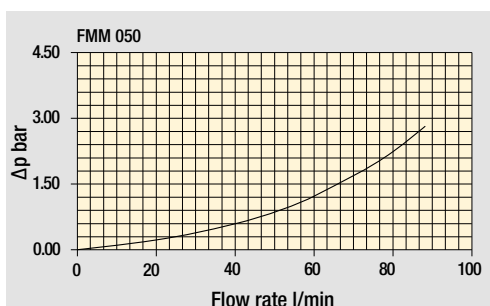


Filter housings  
 $\Delta p$  pressure drop



Bypass valve  
 pressure drop



Filter housing  
 with check valve

Valves

The curves are plotted using mineral oil with density of 0.86 kg/dm<sup>3</sup> in compliance with ISO 3968.  
 $\Delta p$  varies proportionally with density.

Flow rates [l/min]

Filter series	Length	Filter element design - N Series						Filter element design - S Series				
		A03	A06	A10	A16	A25	M25	A03	A06	A10	A16	A25
<b>FMM 050</b>	<b>1</b>	42	43	79	82	106	147	29	39	57	59	74
	<b>2</b>	52	57	85	96	121	149	45	49	76	88	114
	<b>3</b>	66	69	97	106	130	150	58	61	89	99	125
	<b>4</b>	83	89	113	115	134	152	74	80	106	108	129
	<b>5</b>	107	110	130	134	141	154	93	95	111	121	139
<b>FMM 150</b>	<b>1</b>	81	88	156	163	179	295					
	<b>2</b>	142	145	227	230	236	312					
	<b>3</b>	170	180	242	245	263	315					

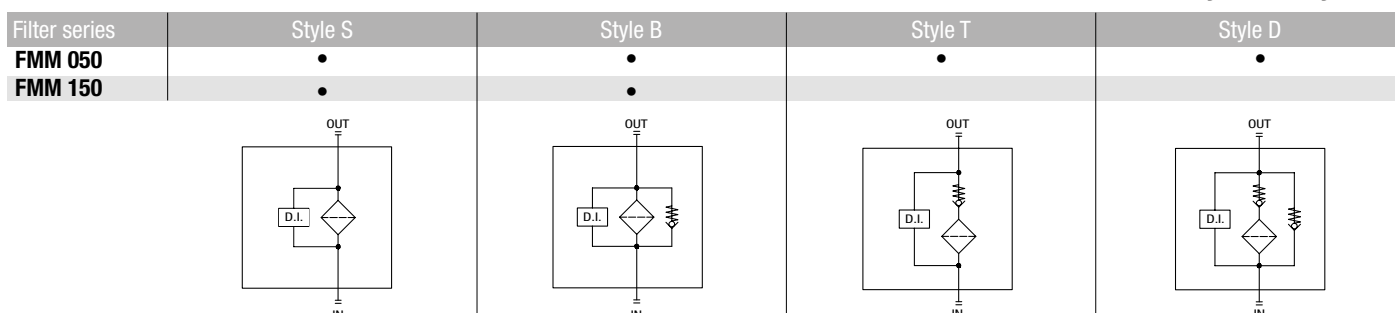
**Maximum flow rate for a complete pressure filter with a pressure drop  $\Delta p = 1.5$  bar.**

The reference fluid has a kinematic viscosity of 30 mm<sup>2</sup>/s (cSt) and a density of 0.86 kg/dm<sup>3</sup>.

For different pressure drop or fluid viscosity we recommend to use our selection software available on [www.mpfiltri.com](http://www.mpfiltri.com).

Please, contact our Sales Department for further additional information.

Hydraulic symbols



## Designation & Ordering code

### COMPLETE FILTER

Series and size Configuration example: **FMM050** | **3** | **B** | **A** | **G** | **A10** | **N** | **P01**

#### FMM050

#### Length

1 | 2 | 3 | 4 | 5

#### Valves

- S** Without bypass
- B** With bypass 6 bar
- T** With check valve, without bypass
- D** With check valve, with bypass 6 bar

#### Seals

- A** NBR
- V** FPM

#### Connections

- A** M18x1.5 - ISO 6149
- B** M22x1.5 - ISO 6149
- C** G 1/2"
- D** G 3/4"
- E** 1/2" NPT
- F** 3/4" NPT
- G** SAE 8 - 3/4" - 16 UNF
- H** SAE 12 - 1 1/16" - 12 UN

#### Filtration rating (filter media)

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

Element Δp	Valves				
	S	B	T	D	
<b>N</b> 20 bar		•			
<b>R</b> 20 bar				•	
<b>S</b> 210 bar	•		•		

#### Execution

- P01** Upper connection for clogging indicator
- P02** Without connection for clogging indicator
- P03** Frontal connection for clogging indicator
- Pxx** Customized

### FILTER ELEMENT

Element series and size Configuration example: **HP050** | **3** | **A10** | **A** | **N** | **P01**

#### HP050

#### Element length

1 | 2 | 3 | 4 | 5

#### Filtration rating (filter media)

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

Seals	
<b>A</b>	NBR
<b>V</b>	FPM

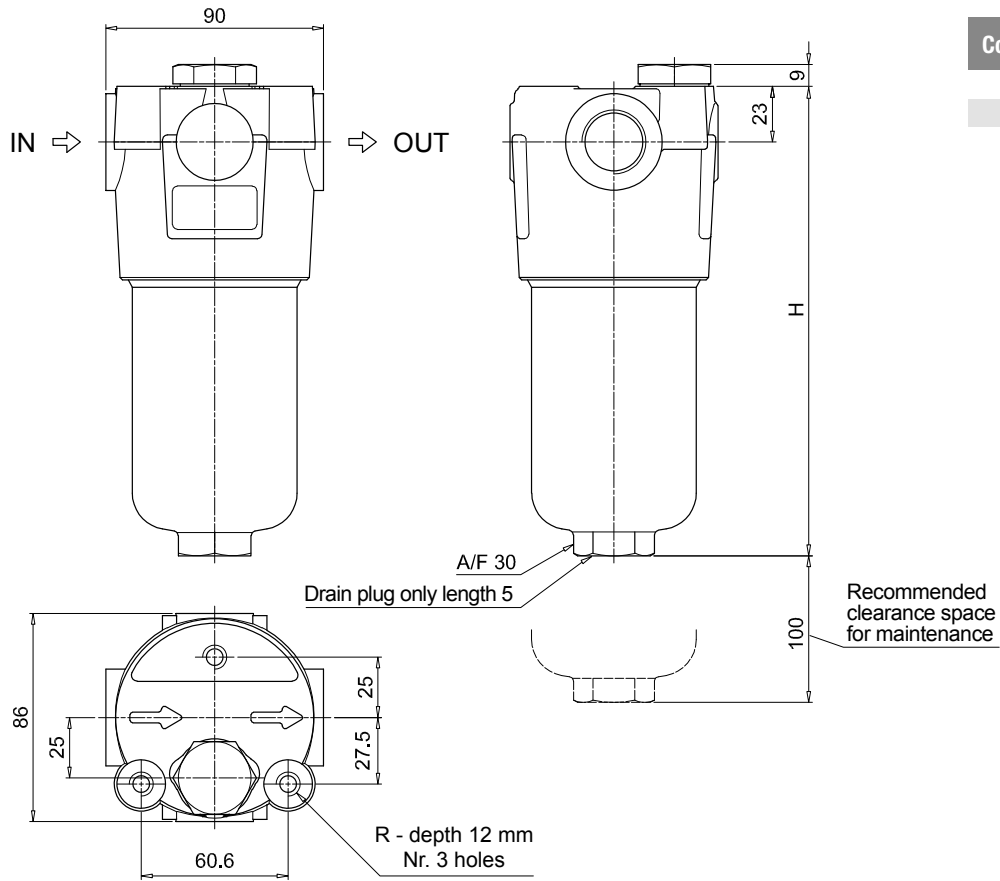
Element Δp	
<b>N</b>	20 bar
<b>R</b>	20 bar
<b>S</b>	210 bar

Execution	
<b>P01</b>	MP Filtri standard
<b>Pxx</b>	Customized

### ACCESSORIES

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

Additional features		page
<b>T2</b>	Plug	568



FMM050	
Filter length	H [mm]
1	158
2	195
3	237
4	285
5	407
Connections	R
A-B-C-D	M10
E-F-G-H	3/8" UNC

