

MMPC Series



Technical specification

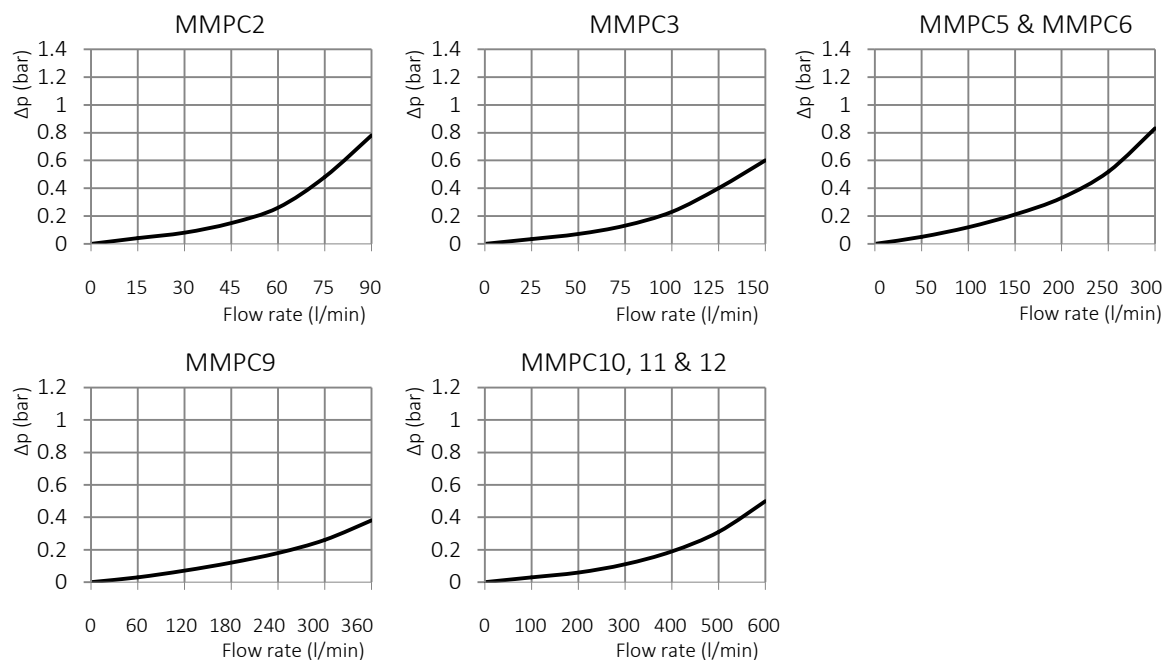
Application:	In-line low pressure filter
Port size:	G ¾" to SAE DN50 3000 psi
Flow rate:	max. 660 l/min
Working pressure:	max. 70 bar
Burst pressure:	min. 210 bar
Element collapse pressure:	21 bar
By-pass opening pressure:	6 bar ± 10%
Seals:	Perbunan (NBR, - 10 °C to 100° C)
Material:	Aluminium head & bowl
Compatibility:	Suitable for mineral oils, lubrication oils, non-flam fluids, synthetic and rapidly biodegradable oils (for use with water, please contact our technical dept.)
Tested according to ISO standards:	ISO2941 Collapse/burst resistance ISO2942 Fabrication integrity ISO2943 Material compatibility integrity ISO3723 Method for end load test ISO3724 Flow fatigue characteristics ISO3968 Pressure drop vs. Flow ISO16889 Multi-pass (filtration performance)

Technical specification subject to change without prior notice. Other specification on request. 2013/07/23

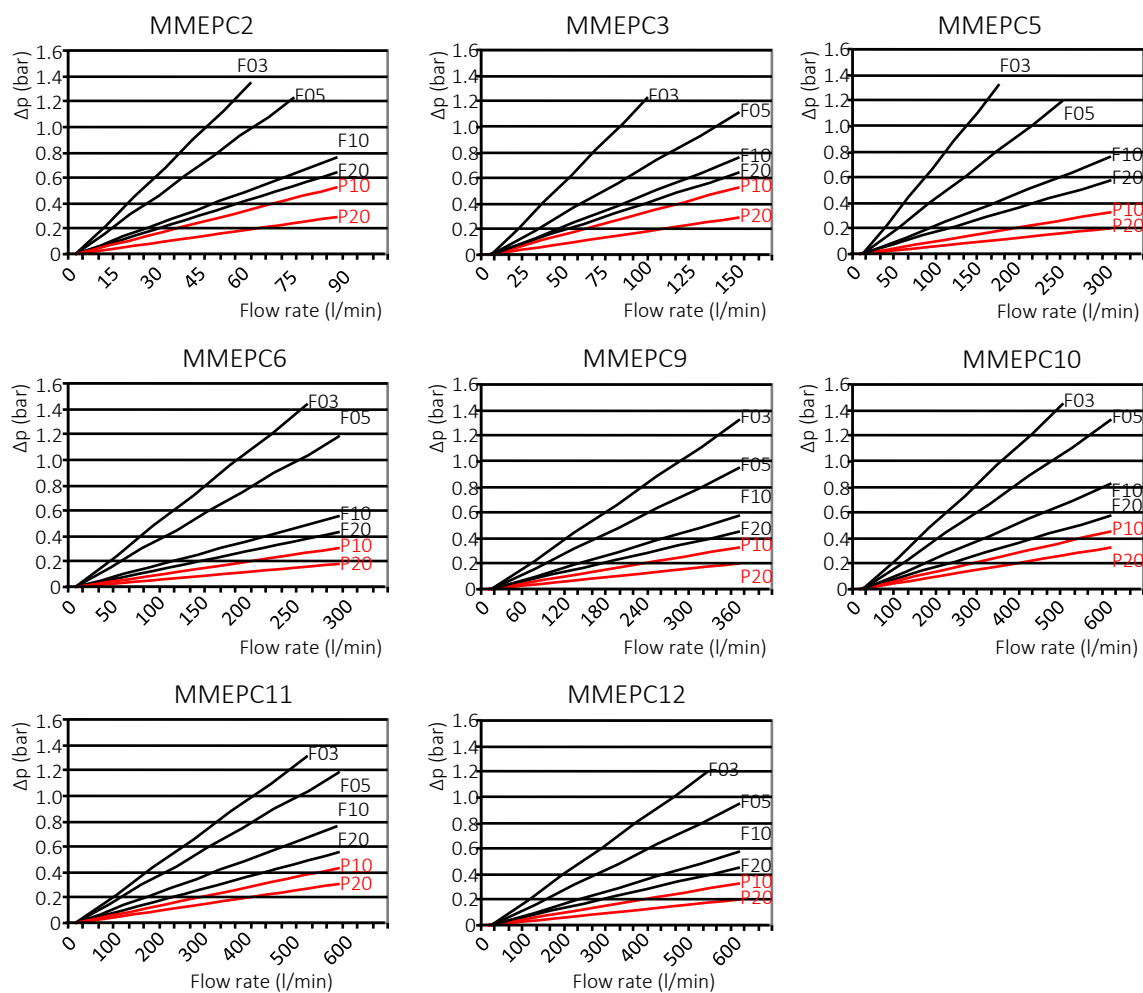


Pressure drop graphs (Δp)

Pressure drop for filter housing (mainly depending on port size)



Pressure drop for clean filter elements (by filter media)

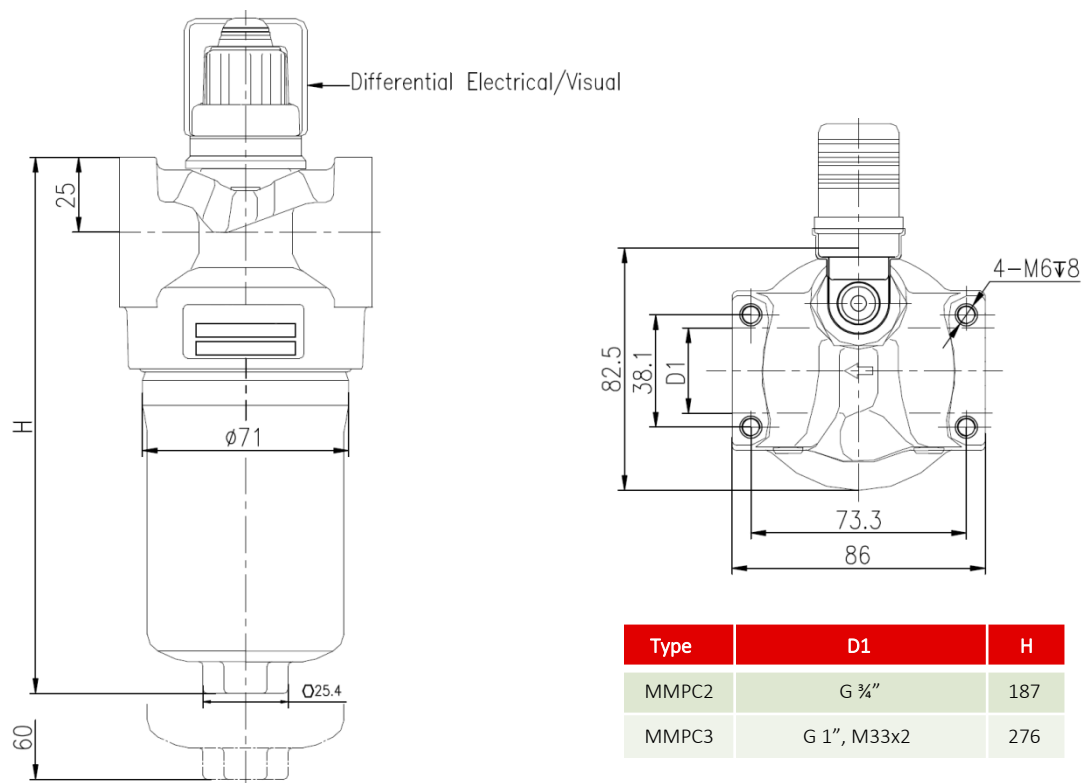


The test fluid has a density of 0.86 kg/dm^3 and a kinematic viscosity of $30 \text{ mm}^2/\text{s}$.

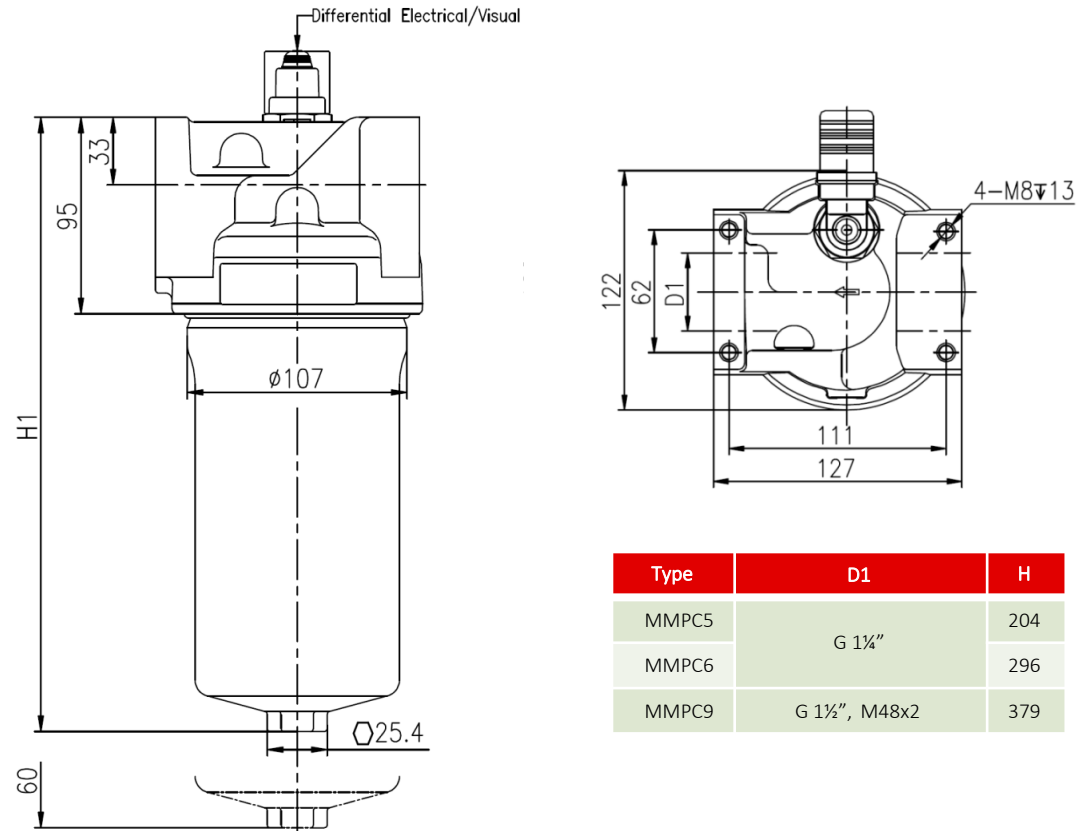
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Dimensional drawings

MMPC2 & MMPC3



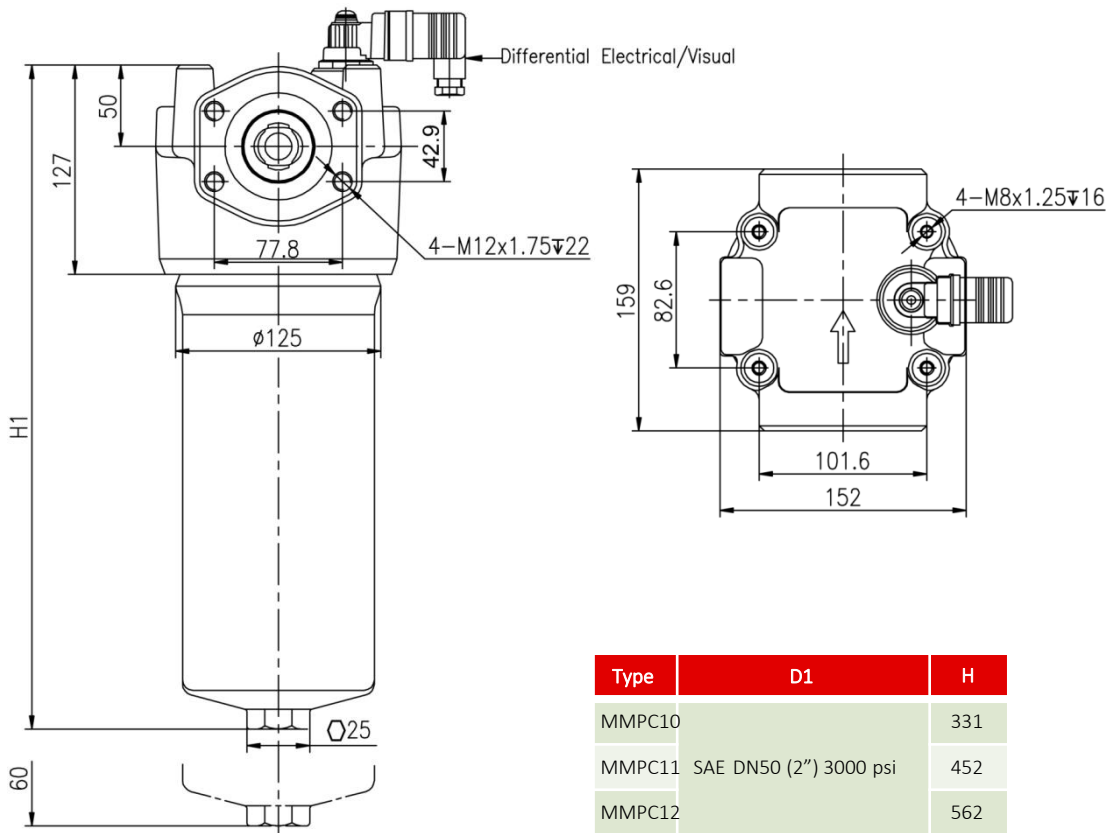
MMPC5, MMPC6 & MMPC9



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Dimensional drawings
MMPC10, MMPC11 & MMPC12



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Order information

Filter assembly part number

Housing						Element	Accessories	
	Type	Size	Connection	By-pass	Seal	Media	Indicator	Special
	MMPC	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6	X
Example	MMPC	2	BC	11	B	- M03	- V50	X

Element part number

Element			
	Type	Size	Seal
	MMEPC	Table 1	Table 4
Example	MMEPC	2	B

Tables

Table 1	
Size	Flow rate (l/min)
MMPC2	60
MMPC3	110
MMPC5	160
MMPC6	240
MMPC9	330
MMPC10	400
MMPC11	500
MMPC12	660

Table 2									
Connection									Size
BC	BD	BE	BF	MF	MG	MH	MI	FF	
3/4" BSP	1" BSP	1 1/4" BSP	1 1/2" BSP	M27x2	M33x2	M42x2	M48x2	SAE DN50 (2") 3000 psi	
•				•					MMPC2
	•				•				MMPC3
		•				•			MMPC5
		•				•			MMPC6
			•				•		MMPC9
								•	MMPC10
								•	MMPC11
								•	MMPC12

Table 3	
By-pass	Open pressure
00	No by-pass
11	6.0 bar
X	Special

Table 4	
Seal	Material
B	Buna
V	Viton

Table 5			
Media	Material	Filtration	Collapse
P10	Cellulose	10 µm	21 bar
P20	Cellulose	20 µm	21 bar
M03	Fibreglass	3 µm	21 bar
M05	Fibreglass	5 µm	21 bar
M10	Fibreglass	10 µm	21 bar
M20	Fibreglass	20 µm	21 bar
Y25	Wire mesh	25 µm	21 bar
Y60	Wire mesh	60 µm	21 bar

Table 6		
Indicator	Pressure	Type
00	-	None
V50	5 bar	Visual
E50	5 bar	Visual / Electrical

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