

MMPH Series



Technical specification

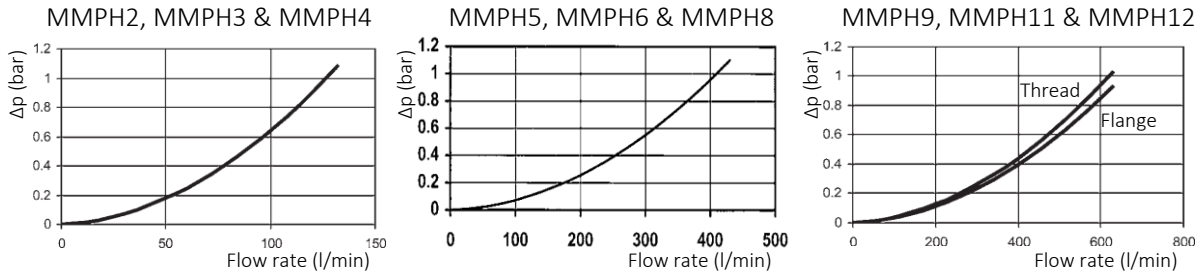
Application:	In-line high pressure filter
Port size:	G ¾" to SAE DN50 6000 psi
Flow rate:	max. 660 l/min
Working pressure:	max. 420 bar
Burst pressure:	min. 1300 bar
Element collapse pressure:	21 or 210 bar
Clogging indicator setting:	Δp 8 bar $\pm$ 10%
Seals:	Perbunan (NBR, -10°C to 100°C, -30°C to -10°C P_{max} 210 bar)
Material:	Steel 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

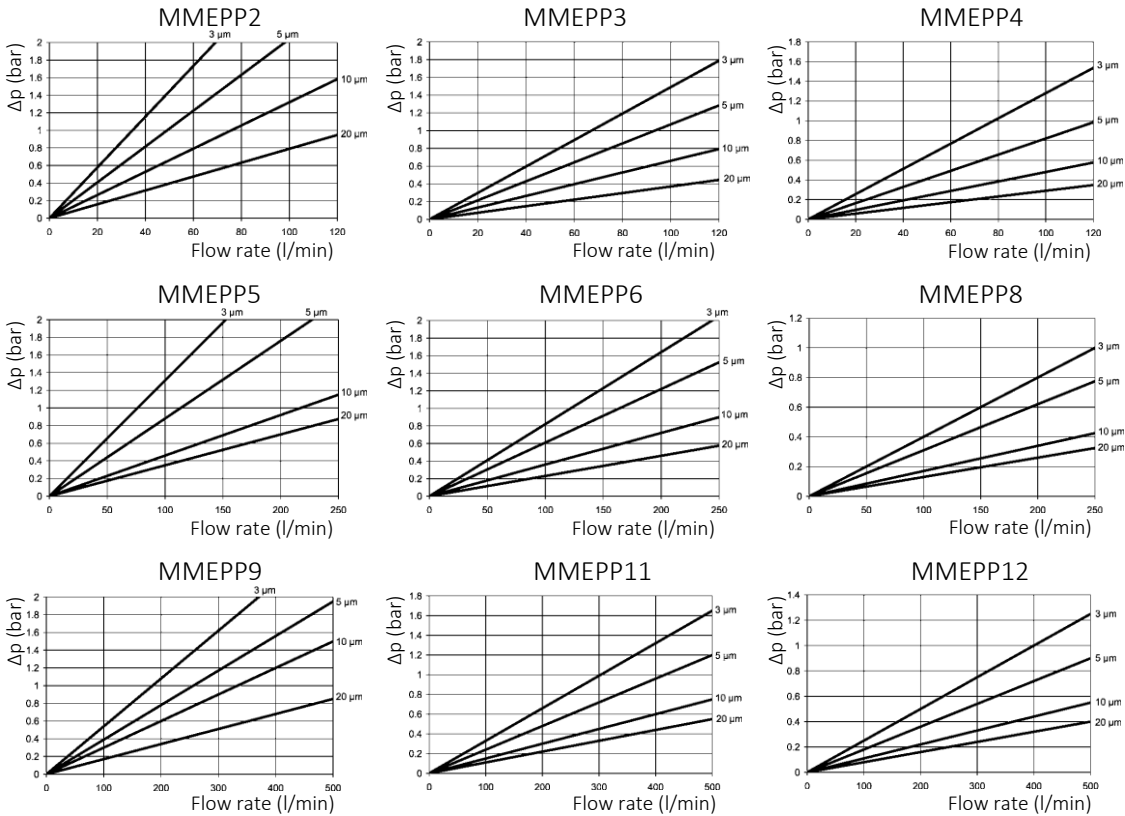


Pressure drop graphs (Δp)

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



Pressure drop of clean filter elements (fibreglass filter media)

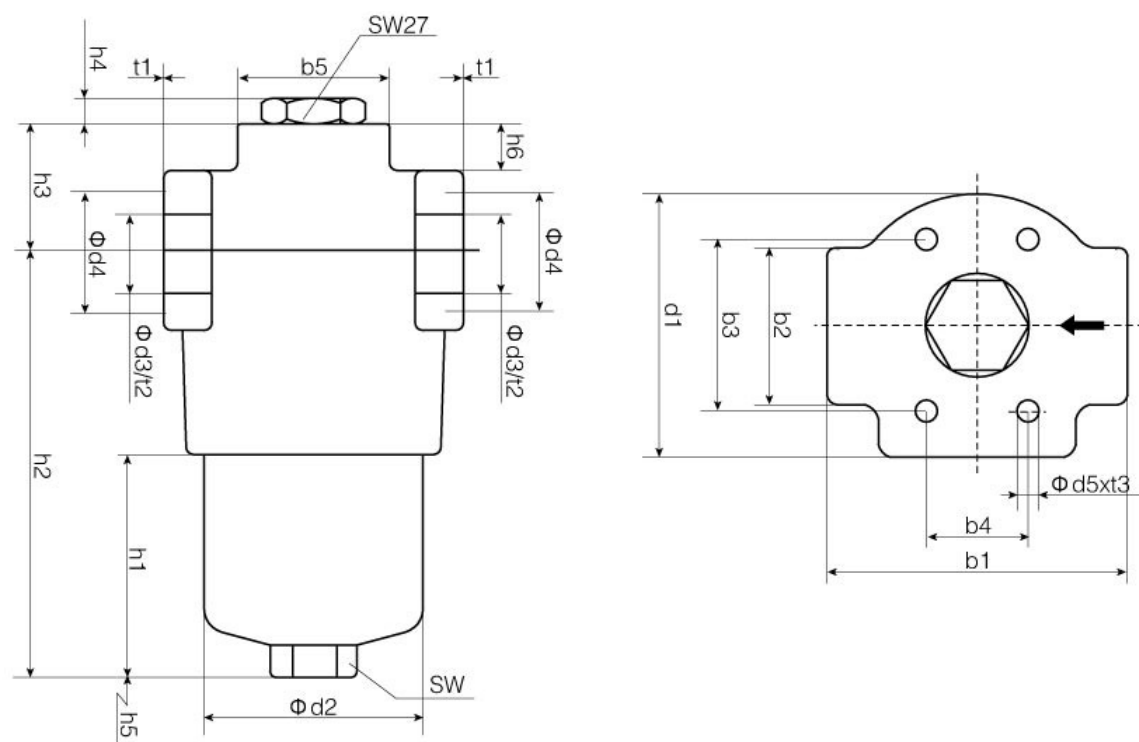


The test fluid has a density of 0.86 kg/dm³ and a kinematic viscosity of 30 mm²/s.

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Dimensional drawings



Type	b1	b2	b3	b4	b5	d1	d2	d3	d4	D5	h1	h2	h3	h4	h5	h6	SW	t1	t2	t3
MMPH2											72.5	137								
MMPH3	93	50	56	32	45	84	68	G ¾"	42	M6	139.5	204	40	6	85	15	27	1	17	9
MMPH4											183.5	248								
MMPH5											106	193								
MMPH6	128	65	85	35	50	117	95	G ¾"	58	M10	166	253	47	6	105	14.5	32	1	21	14
MMPH8											348	435								
MMPH9	167							G 1½"			156	235								
MMPH9	160							SAE DN 50			156	235								
MMPH11	167							G 1½"			249	328								
MMPH11	160	138	115	60	80	169	130	SAE DN 50	65	M12	249	328	52	6	115	9.5	36	1	23	17
MMPH12	167							G 1½"			327	405.5								
MMPH12	160							SAE DN 50			327	406								

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Filter assembly part number

Housing					Element	Accessories			
Type	Size	Connection	Seal		Media	Indicator	Special		
	MMPH	Table 1	Table 2	Table 3	Table 4	Table 5	X		
Example	MMPH	2	BC	B	-	M03	-	8PV	X

Element part number

	Element			
	Type	Size	Seal	Media
	MMEPP	Table 1	Table 3	Table 4
Example	MMEPP	2	B	M03

Tables

Size	Flow rate (l/min)
MMPH2	60
MMPH3	110
MMPH4	140
MMPH5	160
MMPH6	240
MMPH8	280
MMPH9	330
MMPH11	500
MMPH12	660

Connection				Size
BC	BE	BF	SB	
G $\frac{3}{4}$ "	G $1\frac{1}{4}$ "	G $1\frac{1}{2}$ "	SAE DN 50 (2") 6000 psi	
●				MMPH2
●				MMPH3
●				MMPH4
	●			MMPH5
	●			MMPH6
	●			MMPH8
		●	●	MMPH9
		●	●	MMPH11
		●	●	MMPH12

Seal	Material
B	Buna
V	Viton

Media	Material	Filtration	Collapse
P10	Cellulose	10 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
H03	Fibreglass	3 μm	210 bar
H05	Fibreglass	5 μm	210 bar
H10	Fibreglass	10 μm	210 bar
H20	Fibreglass	20 μm	210 bar
Y25	Wire mesh	25 μm	21 bar
Y60	Wire mesh	60 μm	21 bar
Z25	Wire mesh	25 μm	210 bar
Z60	Wire mesh	60 μm	210 bar

Indicator	Pressure	Type
8PV	8 bar	Visual
8PE	8 bar	Electrical
8PB	8 bar	Visual / Electrical