

MMFRR Series

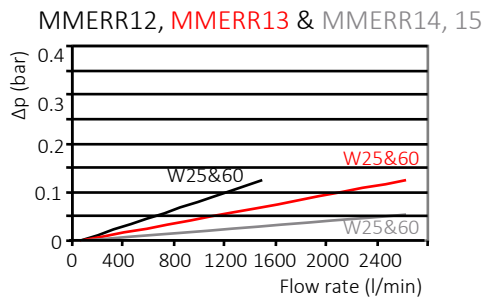
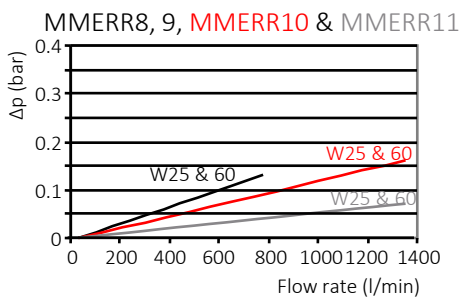
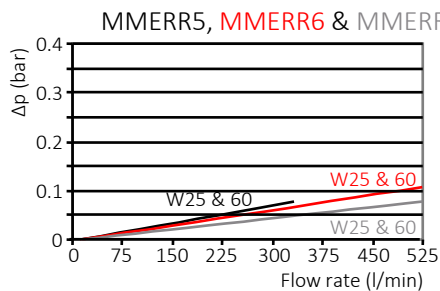
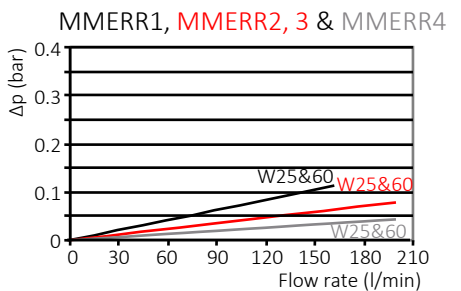
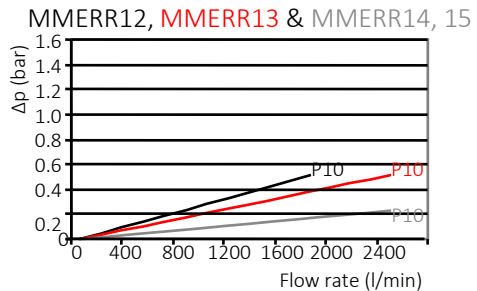
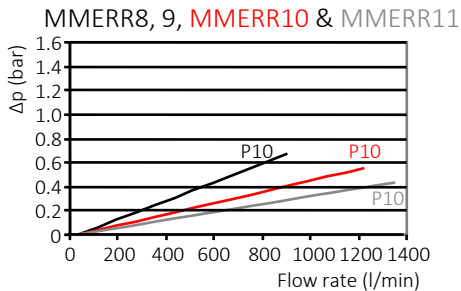
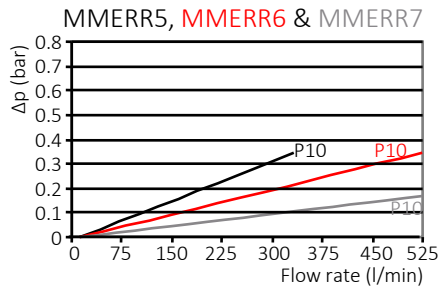
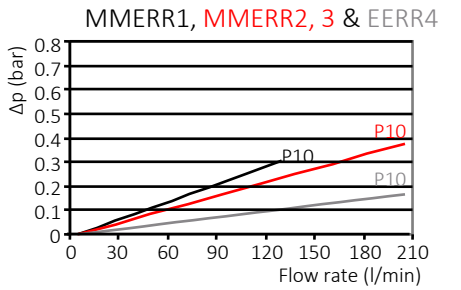
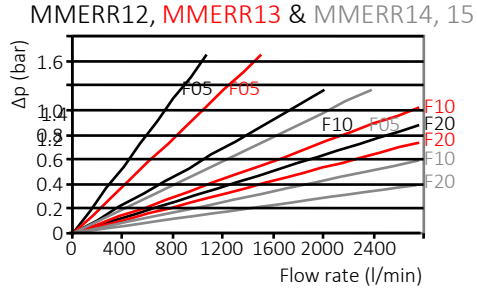
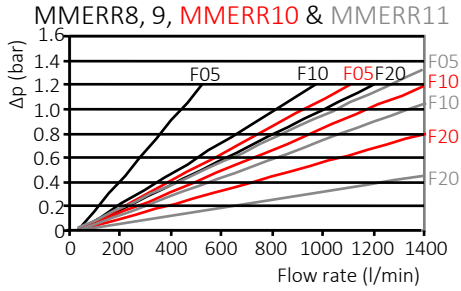
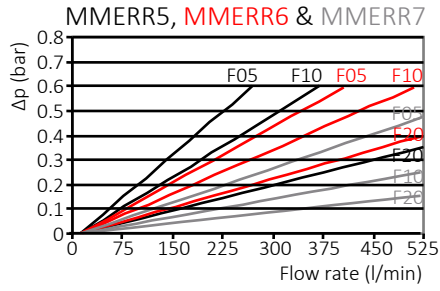
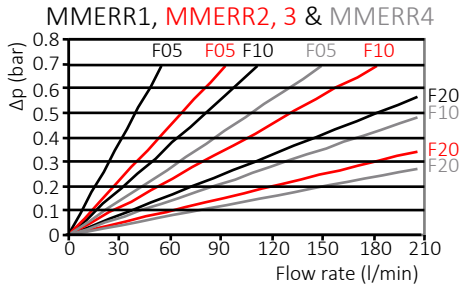


Technical specification

Application:	Tank integrated return filter
Flow rate:	max. 2400 l/min
Working pressure:	max. 10 bar
Burst pressure:	min. 30 bar
Element collapse pressure:	10 bar
By-pass opening pressure:	Δp 1.5 bar \pm 10%
Seals:.	Perbunan (NBR, -10°C to 100°C)
Material:	Aluminium element support & zinc plated steel diffuser
Compatibility:	Suitable for mineral oils, lubrication oils, non-flammable fluids, synthetic and rapidly biodegradable oils according to ISO2943 (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)

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Pressure drop graphs (Δp)

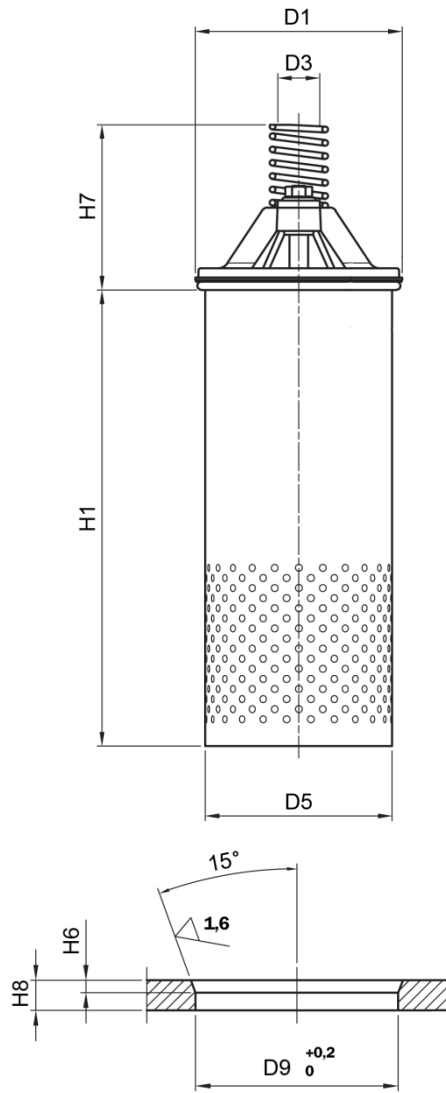


The test fluid has a density of 0.86 kg/dm³ and a kinematic viscosity of 30 mm²/s.

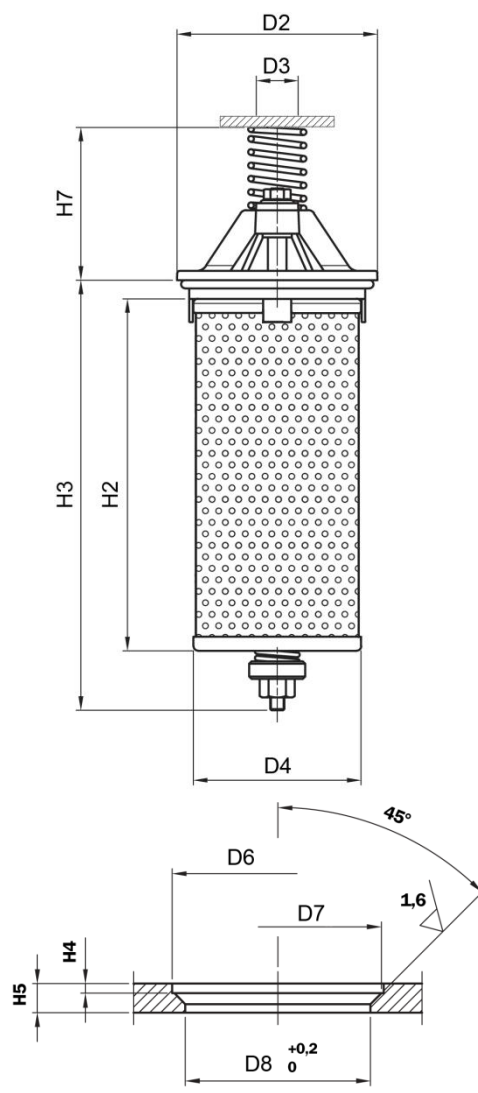
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Dimensional drawings

MMFRR with diffuser



MMFRR without diffuser



Type	D1	D2	D3	D4	D5	D6	D7	D8	D9	H1	H2	H3	H4	H5	H6	H7	H8
MMFRR1	120	87	20	72	89	88	85	80	110	198	106	141	4	12	2.5	62	12
MMFRR2	120	87	20	72	89	88	85	80	110	198	150	185	4	12	2.5		
MMFRR3	120	87	20	72	89	88	85	80	110	248	200	235	4	12	2.5		
MMFRR4	120	87	20	72	89	88	85	80	110	348	300	335	4	12	2.5	81	15
MMFRR5	155	125.5	25	106	132	126	123.5	117	145	266	190	243	5	15	2.5		
MMFRR6	155	125.5	25	106	132	126	123.5	117	145	336	260	313	5	15	2.5		
MMFRR7	155	125.5	25	106	132	126	123.5	117	145	524	465	518	5	15	2.5	103	15
MMFRR8	185	150	25	126	165	151	149	139	178	300	210	275	5	18	2.5		
MMFRR9	185	150	25	126	165	151	149	139	178	380	290	355	5	18	2.5		
MMFRR10	185	150	25	126	165	151	149	139	178	480	390	455	5	18	2.5	145	17
MMFRR11	185	150	25	126	165	151	149	139	178	580	478	540	5	18	2.5		
MMFRR12	260	230	40	203	235	231	227	217	250.5	425	330	405	6	20	2.5		
MMFRR13	260	230	40	203	235	231	227	217	250.5	640	545	620	6	20	2.5	145	17
MMFRR14	260	230	40	203	235	231	227	217	250.5	920	825	900	6	20	2.5		
MMFRR15	260	230	40	203	235	231	227	217	250.5	1185	1090	1165	6	20	2.5		

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Order information

Filter assembly part number

Housing				Element		Accessories	
Type	Size	Seal		By-pass	Media	Diffusor	Magnet
	MMFRR	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
Example	MMFRR	1	B	05	P10	D	M

Element part number

Element				
Type	Size	Seal	Media	
	MMERR	Table 1	Table 2	Table 4
Example	MMERR	1	B	P10

Tables

Table 1	
Size	Flow rate (l/min)
MMFRR1	100
MMFRR2	140
MMFRR3	160
MMFRR4	210
MMFRR5	250
MMFRR6	400
MMFRR7	450
MMFRR8	500
MMFRR9	650
MMFRR10	850
MMFRR11	1000
MMFRR12	1300
MMFRR13	1650
MMFRR14	2250
MMFRR15	2400

Table 2	
Seal	Material
B	Buna
V	Viton

Table 3	
By-pass	Open pressure
00	none
05	1.5 bar
X	Special

Table 4			
Media	Material	Filtration	Collapse
P10	Cellulose	10 µm	10 bar
F05	Fibreglass	5 µm	10 bar
F10	Fibreglass	10 µm	10 bar
F20	Fibreglass	20 µm	10 bar
W25	Wire mesh	25 µm	10 bar
W60	Wire mesh	60 µm	10 bar

Table 5	
Diffusor	Type
D	With diffusor
0	Without diffusor

Table 6	
Magnet	Type
M	With magnet
0	Without magnet

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