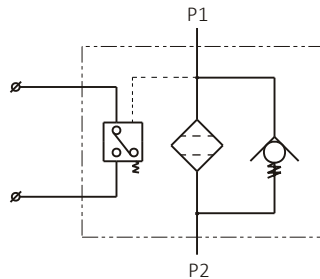


MMFRF Tank Top Mounted Return Series



Technical specification

Application:	Manifold mounting high pressure filter
Port size:	BSP + Flanged
Flow rate:	max. 1300 l/min
Working pressure:	max. 10 bar
Burst pressure:	min. 30 bar
Element collapse pressure:	10 bar
By-pass opening pressure:	Δp 4 bar + 10%
Clogging indicator setting:	Δp 3 bar $\pm$ 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 013/07/23

FILTER SELECTOR

Select your filter requirements here.

Tank top Mounted Return Line Filter

WG: Water Glycol

HO: Hydraulic Oil

Flow rate (60, 110, 240, 330, 500, 660, 850, 950 or 1300 l/min)

Filtration rating (3, 6, 12 or 20 μ)

F: Flanged connection

T: Threaded connection

0: without indicator

1: with CYB-I indicator $\leq$ DC24V

2: with CY-II indicator $\leq$ 220V

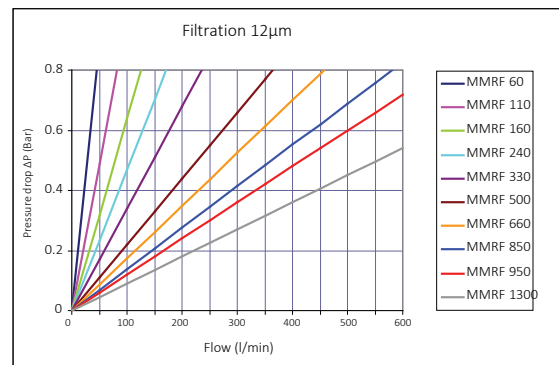
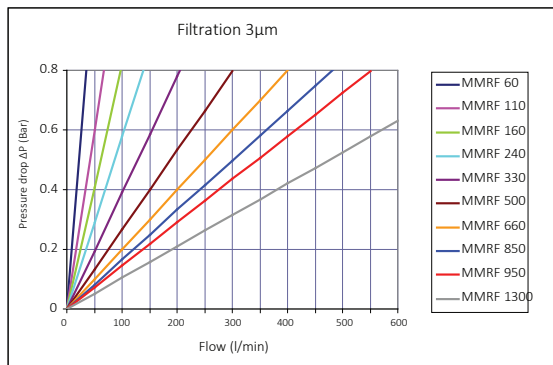
Unsure? Contact us.

Filter element
MMERF

MMFRF HO 160 20 T 1

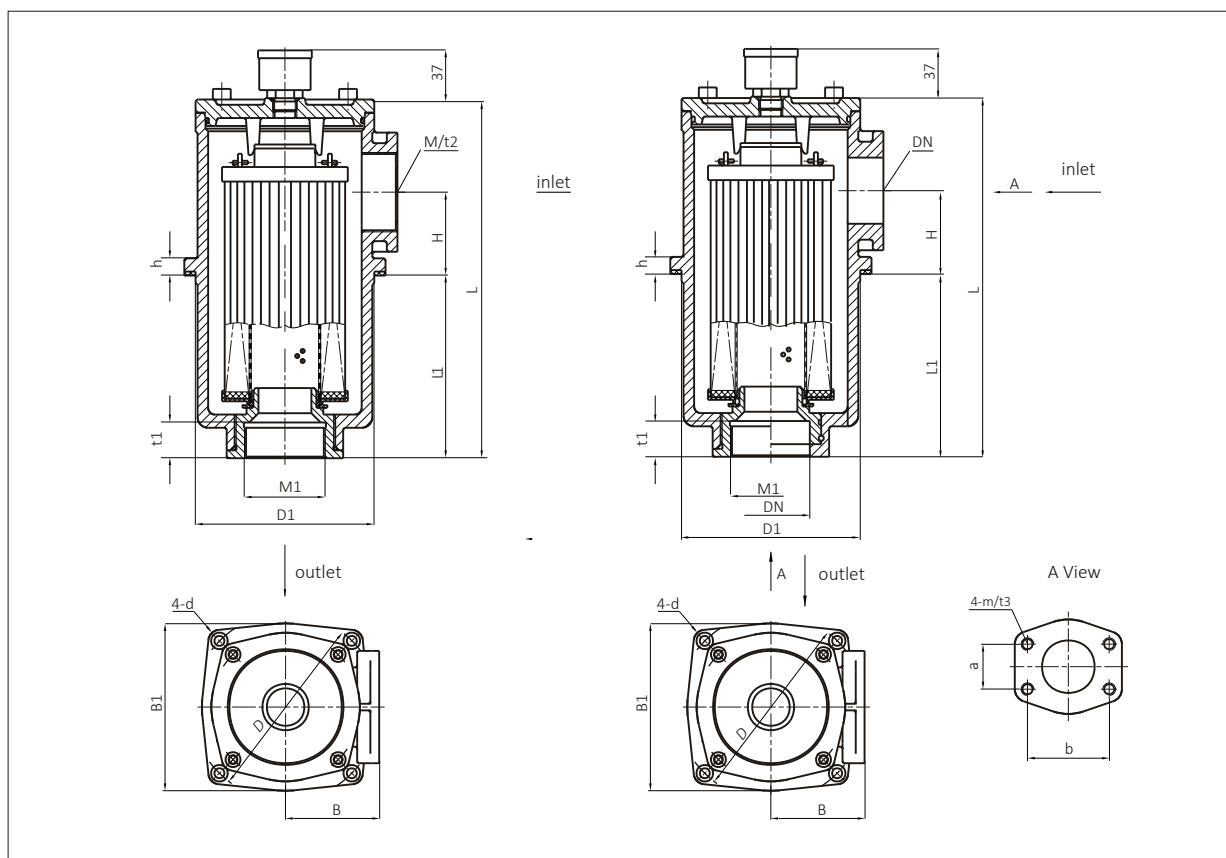
Technical data

Model	Flow rate (l/min)	Pressure options (Bar)	Filtration rating (μ m)	Diameter (mm)	Initial Δ P (Bar)		Indicator power		Weight (kg)	Element No:
					Initial	Max	Volts	Amps		
MMFRF-	60	10	3	20	≤ 0.7	3.5	12	2.5	0.4	MMERF-60 + μ
MMFRF-	110								0.9	MMERF-110 + μ
MMFRF-	160			40					1.1	MMERF-160 + μ
MMFRF-	240								1.8	MMERF-240 + μ
MMFRF-	330		6	50			24	2	2.3	MMERF-330 + μ
MMFRF-	500								3.2	MMERF-500 + μ
MMFRF-	660			80					4.1	MMERF-660 + μ
MMFRF-	850								13	MMERF-850 + μ
MMFRF-	950		20	90			220	0.25	20	MMERF-950 + μ
MMFRF-	1300			100					41.5	MMERF-1300 + μ



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

Mounting size



Threaded Connection

Size (mm)													
Model	B1	L	L1	h	D1	H	D	d	M	t2	B	M1	t1
MMFRF-60 T	90	166	92	11	Ø80	34	Ø100	Ø5.5	M27 x 2	16	48	M27 x 2	16
MMFRF-110 T	90	233	159	11	Ø80	34	Ø100	Ø5.5	M33 x 2	16	48	M33 x 2	16
MMFRF-160 T	120	209	120	11	Ø106	40	Ø135	Ø7	M48 x 2	20	66	M48 x 2	20
MMFRF-240 T	120	268	179	11	Ø106	40	Ø135	Ø7	M60 x 2	20	66	M48 x 2	20
MMFRF-330 T	152	271	138	13	Ø135	63	Ø170	Ø9	-	27	85	M60 x 2	27

Flanged Connection

Size (mm)																
Model	B1	L	L1	h	D1	H	D	d	B	M1	t1	m	t3	a	b	DN
MMFRF-330 F	152	271	138	13	Ø135	63	Ø170	Ø9	85	M60 x 2	27	M12	23	42.9	77.8	Ø50
MMFRF-500 F	152	351	218	13	Ø135	63	Ø170	Ø9	85	M60 x 2	27	M12	23	42.9	77.8	Ø50
MMFRF-660 F	196	411	243	13	Ø175	83	Ø220	Ø13.5	110	-	-	M16	22	61.9	106.4	Ø80
MMFRF-850 F	196	492	324	13	Ø175	83	Ø220	Ø13.5	110	-	-	M16	22	61.9	106.4	Ø80
MMFRF-950 F	255	449	251	14	Ø208	93	Ø290	Ø17.5	135	-	-	M16	22	69.9	120.7	Ø90
MMFRF-1300 F	255	573	332	14	Ø208	121	Ø290	Ø17.5	145	-	-	M16	22	77.8	130.2	Ø100

Technical specification subject to change without prior notice. Other specification on request 013/07/23

Notes

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.