

MMFQU Inline Series



Technical specification

Application:	Inline return filter
Port size:	Threaded, Flanged, Manifold mounted
Flow rate:	max. 1000 LPM
Working pressure:	max. 16 Bar
Element collapse pressure:	10 Bar
By-pass opening pressure:	Δp 4 Bar
Seals:	Perbunan
Material:	Aluminium
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)

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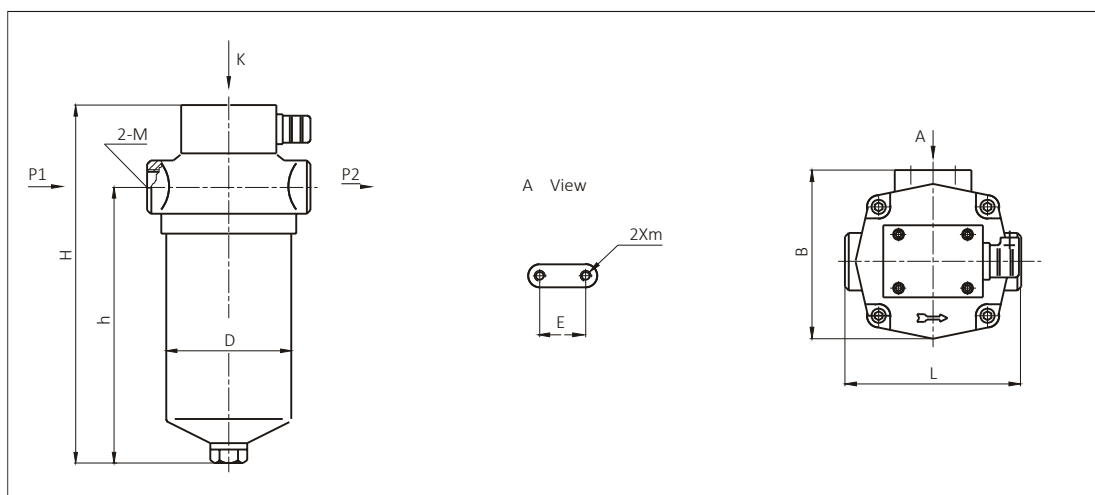
	MMFQU	HO	160	20	M	1	V	Filter element
Inline Filter								
WG: Water Glycol HO: Hydraulic Oil								
Flow rate Threaded: 10, 25, 40, 63, 100 or 160 l/min Flanged: 250, 400, 630, 800 or 1000 l/min Manifold: 25, 40, 63, 100, 160, 250 or 400 l/min								
Filtration rating (3, 6, 12 or 20μ)								
F: Flanged connection T: Threaded connection M: Manifold connection								
0: Without CMS indicator 1: With CMS indicator								
0: Without by-pass valve 1: With by-pass valve								

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Threaded connection

Mounting size



Size (mm)								
Model	H	h	L	B	D	E	M	m
MMFQU-10 T	199	152	104	102	Ø70	30	M18 x 1.5	M6
MMFQU-25 T	239	182	120	110	Ø89		M22 x 1.5	
MMFQU-40 T	299	247					M27 x 2	
MMFQU-63 T	322	358	146	131	Ø109	55	M33 x 2	M10
MMFQU-100 T	422	327	150				M42 x 2	
MMFQU-160 T	499	380	170				148	

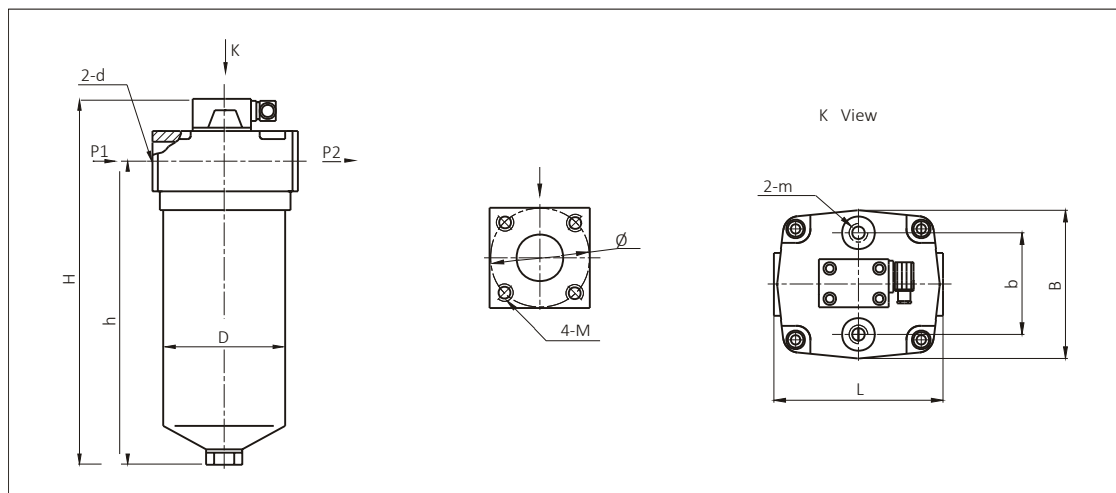
Technical data

Filtration									
Model	Diameter (mm)	Flow rate (L/min)	rating (µm)	Pressure (Bar)	Pressure Initial	loss (MPa) Max.	Indicate power (Volts/Watts)	Weight (Kg)	Model of element
MMFQU-10 T	10	10	3	16	0.5	0.35	24V/48W	2.6	MMEQU-10 + µ
MMFQU-25 T	15	25	6					3.2	MMEQU-25 + µ
MMFQU-40 T	20	40	3.6		MMEQU-40 + µ				
MMFQU-63 T	25	63	12		0.7		220V/50W	4.8	MMEQU-63 + µ
MMFQU-100 T	32	100	20					5.8	MMEQU-100 + µ
MMFQU-160 T	40	160	1.2		6.7			MMEQU-160 + µ	

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Flanged connection

Mounting size



Size (mm)									
Model	H	h	L	B	b	D	m	Ø	M
MMFQU-250 F	561	485	182	166	115	Ø150	M10	74	M6
MMFQU-400 F	706	625	196	176	140	Ø163	M12	94	M8
MMFQU-630 F	846	750	224	212	160	Ø186		115	M10
MMFQU-800 F	1024	936	260	250	180	Ø212		125	M12
MMFQU-1000 F	1094	1001						135	

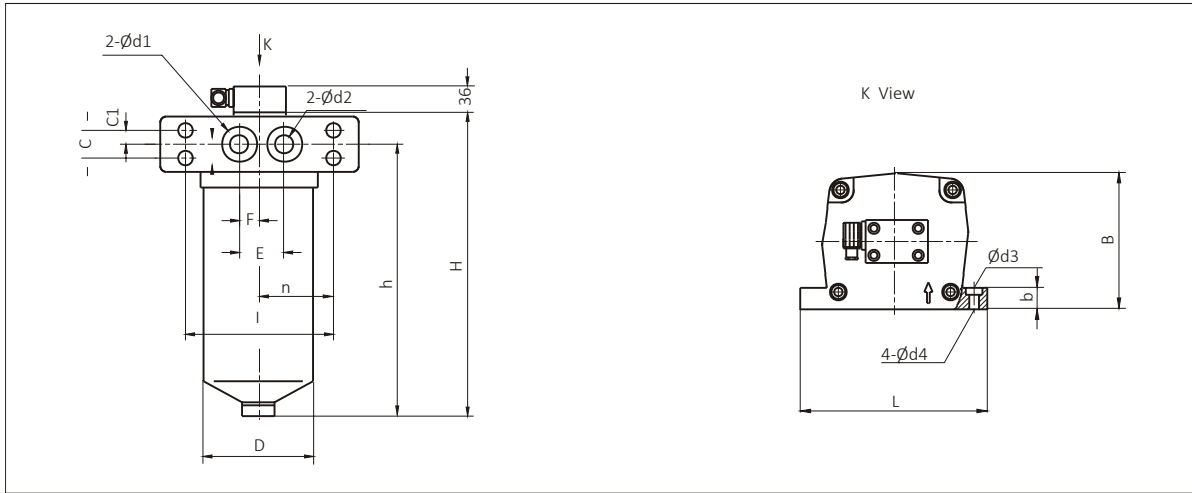
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration		Pressure loss (MPa)		Indicator power	Weight	Model of element
			rating (µm)	Pressure (Bar)	Initial	Max.	(Volts/Watts)	(Kg)	
MMFQU-250 F	50	250	3	16	1.2	0.3 5	24V/48W	9.5	MMEQU-250 + µ
MMFQU-400 F	65	400	6		1.5			220V/50W	14.4
MMFQU-630 F	80	630	12		1.7		22.3		MMEQU-630 + µ
MMFQU-800 F	90	800	20						MMEQU-800 + µ
MMFQU-1000 F	100	1000						MMEQU-1000 + µ	

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Manifold connection

Mounting size



Size (mm)																
Model	H	h	L	B	b	D	I	n	E	F	C	C1	$\phi d1$	$\phi d2$	$\phi d3$	$\phi d4$
MMFQU-25 M	202	182	132	104	17	95	116	58	30	10	20	10	28	20	11	7
MMFQU-40 M	262	242														
MMFQU-63 M	290	254	160	127	18	115	142	71	45	22.5	30	15	40	32	13.5	9
MMFQU-100 M	390	354														
MMFQU-160 M	407	376	180	164	18	134	162	81	50	25	42	21	45	38	15	11
MMFQU-250 M	522	486	210	202		250	188	94	66	33	48	24	60	50	18	
MMFQU-400 M	669	625	254	214	25	163	228	228	90	45	60	30	75	65	18	13

Technical data

Filtration									
Model	Diameter (mm)	Flow rate (L/min)	rating (μm)	Pressure (Bar)	Pressure loss (MPa)		Indicator power (Volts/Watts)	Weight (Kg)	Model of element
MMFQU-25 M	20	25	3	16	0.5	0.35	24V/48W	3.2	MMEQU-025 + μ
MMFQU-40 M		40						3.5	MMEQU-040 + μ
MMFQU-63 M	32	63	6	16	0.7	0.35	220V/50W	3.9	MMEQU-063 + μ
MMFQU-100 M		100						6.2	MMEQU-100 + μ
MMFQU-160 M	38	160	12	16		0.35	220V/50W	7.0	MMEQU-160 + μ
MMFQU-250 M	50	250	20		1.2			10.0	MMEQU-250 + μ
MMFQU-400 M	65	400			1.5			15.4	MMEQU-400 + μ

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Notes

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