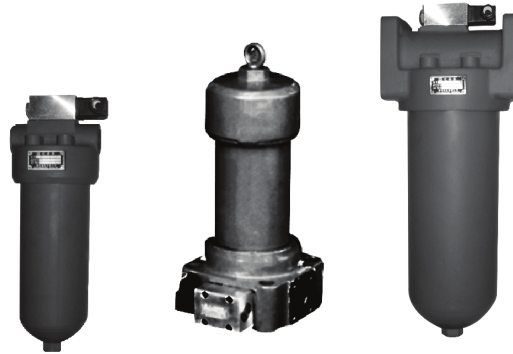
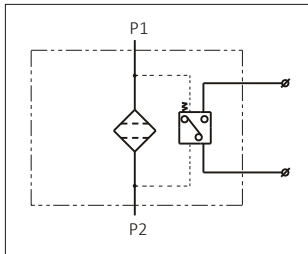


MMFQUH Pressure Series



Technical specification

Application:	In-line pressure filter
Port size:	G ¾" - G 1½", Flanged and Manifold
Flow rate:	max. 800 LPM
Working pressure:	max. 220 Bar + 320 Bar
Element collapse pressure:	21 Bar
Bypass opening:	Δp 5 Bar
Seals:	Perbunan
Material:	Steel
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.

Filter element

MMEQUH

MMFQUH – HO 160 20 1 1 F

Medium/High Pressure Filter Series

WG: Water Glycol

HO: Hydraulic Oil

Flow rate (10, 25, 40, 63, 100, 160, 250, 400, 630 or 800 l/min)

Filtration rating (3, 6, 12 or 20µ)

0: without indicator

1: with CMS indicator

1: with by-pass valve

2: without by-pass valve

T: Threaded connection

F: Flanged connection

B: Manifold connection

DB: Inverted manifold connection

DT: Inverted threaded connection

DF: Inverted flanged connection

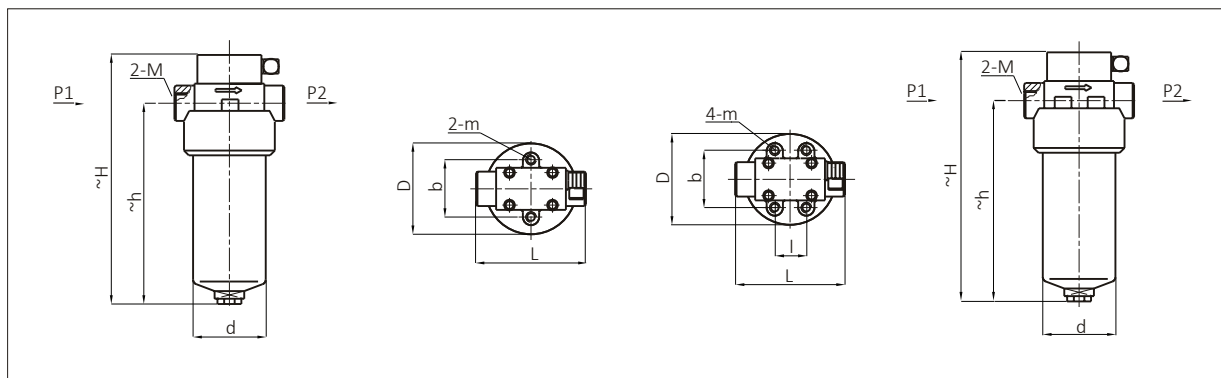
DFL: Inverted flanged connection 'L' Ported

Unsure? Contact us.

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

Threaded connection

Mounting size



Size (mm)									
Model	$\sim H$	$\sim h$	L	l	b	D	d	m	M
MMFQUH-10 T	198	140	118		70	$\varnothing 88$	$\varnothing 73$	2-M6	M27x2
MMFQUH-25 T	288	230							
MMFQUH-40 T	255	194							
MMFQUH-63 T	323	262	128	44	86	$\varnothing 124$	$\varnothing 102$	4-M10	M33x2
MMFQUH-100 T	394	329							M42x2
MMFQUH-160 T	435	362							M48x2

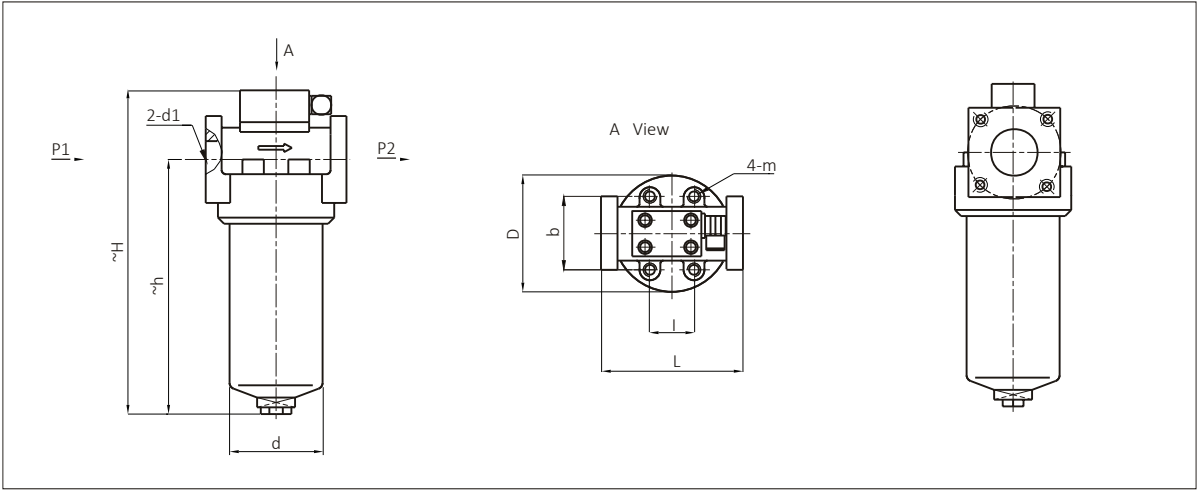
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration rating (μm)	Pressure (MPa)	Pressure loss (MPa) Initial	Indicator power (Volts/Watts)	Weigh (Kg)	Model of element
MMFQUH-10 T	15	10	3	32	0.08	24V/48W	3.6	MMEQUH-10 + μ
MMFQUH-25 T		25			0.1		5.0	MMEQUH-25 + μ
MMFQUH-40 T	20	40	6	12		0.35	220V/50W	8.0
MMFQUH-63 T		63			9.8			MMEQUH-63 + μ
MMFQUH-100 T	25	100	20	0.12	12.0	MMEQUH-100 + μ		
MMFQUH-160 T	32	160			18.2	MMEQUH-160 + μ		

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

Flanged connection

Mounting size



Size (mm)									
Model	~H	~h	L	l	b	D	d	d1	m
MMFQUH-250 F	508	430	166	60	100	146	121	Ø40	M10
MMFQUH-400 F	545	461	206		123	170	146	Ø50	M12
MMFQUH-630 F	647	563			128			Ø55	
MMFQUH-800 F	767	683							

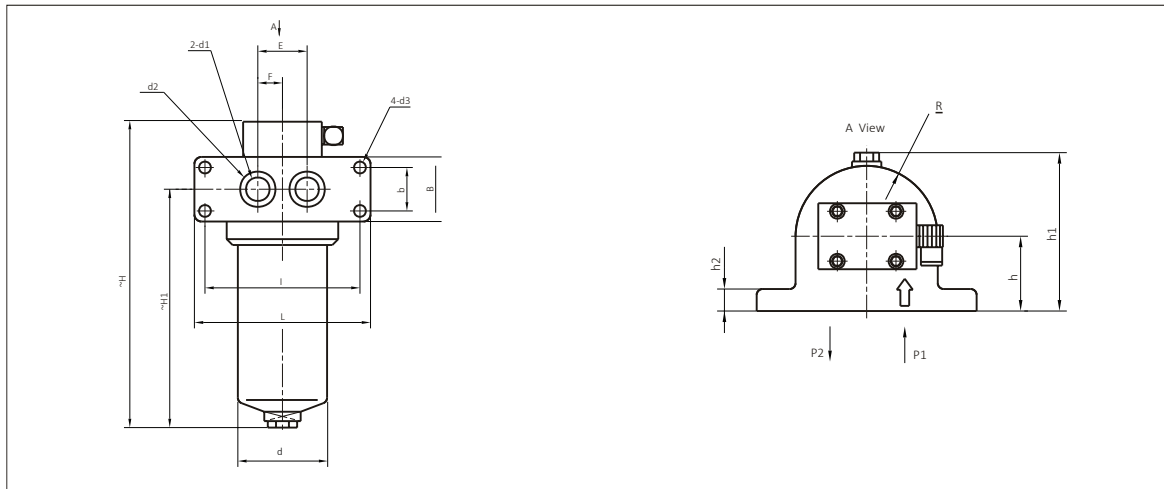
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration		Pressure (MPa)	Pressure loss (MPa)		Indicator power (Volts/Watts)	Weight (Kg)	Model of element
			rating (μ m)	rating (μ m)		Initial	Max.			
MMFQUH-250 F	40	250	3	32	0.12	0.15	0.35	24V/48W	23.0	MMEQUH-250 + μ
MMFQUH-400 F	50	400	6					220V/50W	33.8	MMEQUH-400 + μ
MMFQUH-630 F	53	630	12						42.0	MMEQUH-630 + μ
MMFQUH-800 F		800	20						52.0	MMEQUH-800 + μ

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

Manifold connection

Mounting size



Size (mm)																
Model	$\sim H$	$\sim H1$	R	d	L	B	I	b	E	F	h	h1	h2	d1	d2	d3
MMFQUH-10 B	210	142	46	$\varnothing 73$	158	60	128	30	40	20	50	110	22	$\varnothing 15$	$\varnothing 24$	$\varnothing 13$
MMFQUH-25 B	300	232														
MMFQUH-40 B	269	199	62	$\varnothing 102$	190	64	160	32	50	25	65	138	25	$\varnothing 25$	$\varnothing 32$	$\varnothing 15$
MMFQUH-63 B	337	267														
MMFQUH-100 B	399	329	73	$\varnothing 121$	212	72	180	40	60	30	77	164	30	$\varnothing 32$	$\varnothing 40$	$\varnothing 17$
MMFQUH-160 B	426	353				80		48					30	$\varnothing 40$	$\varnothing 50$	
MMFQUH-250 B	507	429	85	$\varnothing 146$	275	110	225	60	80	40	92	194	40	$\varnothing 50$	$\varnothing 65$	$\varnothing 26$
MMFQUH-400 B	554	461														
MMFQUH-630 B	654	561														

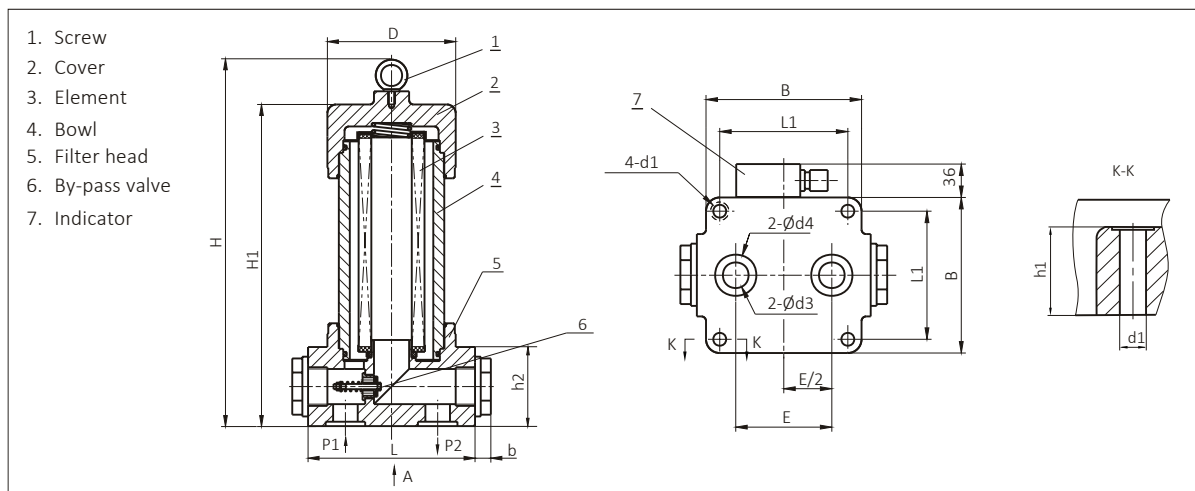
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration rating (μm)	Pressure (MPa)	Pressure Initial	Pressure loss (MPa) Max.	Indicator power (Volts/Watts)	Weight (Kg)	Model of element
MMFQUH-10 B	15	10	3	32	0.08	0.35	24V/48W	5.7	MMEQUH-10 + μ
MMFQUH-25 B		25						7.0	MMEQUH-25 + μ
MMFQUH-40 B	20	40	6	32	0.1	0.35	24V/48W	11.5	MMEQUH-40 + μ
MMFQUH-63 B		63						13.2	MMEQUH-63 + μ
MMFQUH-100 B	25	100	12	32	0.12	0.35	24V/48W	15.0	MMEQUH-100 + μ
MMFQUH-160 B	32	160						21.4	MMEQUH-160 + μ
MMFQUH-250 B	40	250	20	32	0.15	0.35	220V/50W	25.7	MMEQUH-250 + μ
MMFQUH-400 B	50	400						38.0	MMEQUH-400 + μ
MMFQUH-630 B		630						42.3	MMEQUH-630 + μ

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

Inverted manifold connection

Mounting size



Size (mm)													
Model	H	H1	D	L	L1	B	d1	E	h1	h2	d3	d4	b
MMFQUH-10 DB	196	146	Ø92	130	90	115	Ø11.5	60	31	50	Ø15	Ø24	14
MMFQUH-25 DB	286	236											
MMFQUH-40 DB	245	195											
MMFQUH-63 DB	313	263	Ø124	156	115	145	Ø16	88	39	64	Ø25	Ø38	15
MMFQUH-100 DB	375	325											
MMFQUH-160 DB	413	363											
MMFQUH-250 DB	483	433	Ø146	190	135	170	Ø18	104	48	88	Ø40	Ø50	23
MMFQUH-400 DB	530	480											
MMFQUH-630 DB	630	580											
MMFQUH-800 DB	750	700	Ø176	240	160	200	Ø26	144	70	118	Ø50	Ø65	24

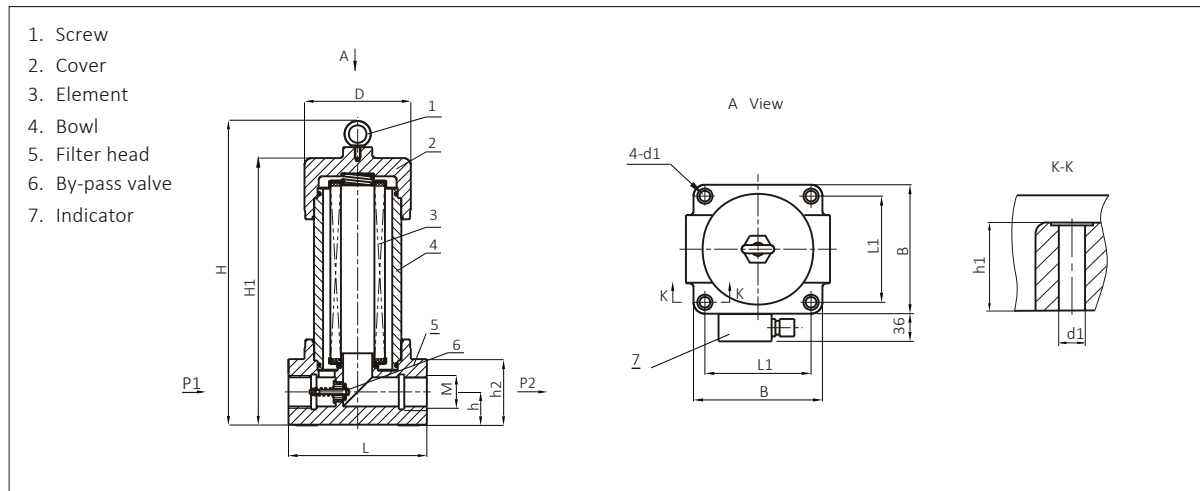
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration rating (µm)	Pressure (MPa)	Pressure Initial	loss (MPa) Max.	Indicator power (Volts/Watts)	Weight (Kg)	Model of element
MMFQUH-10 DB	15	10	3		0.08		24V/48W	8.4	MMEQUH-10 + µ
MMFQUH-25 DB		25						9.8	MMEQUH-25 + µ
MMFQUH-40 DB	20	40	6	32	0.1	0.35		16.3	MMEQUH-40 + µ
MMFQUH-63 DB		63						18.9	MMEQUH-63 + µ
MMFQUH-100 DB	25	100	12					22.5	MMEQUH-100 + µ
MMFQUH-160 DB	32	160						33.6	MMEQUH-160 + µ
MMFQUH-250 DB	40	250	20		0.15		220V/50W	41.3	MMEQUH-250 + µ
MMFQUH-400 DB	50	400						57.0	MMEQUH-400 + µ
MMFQUH-630 DB		630	61.8	MMEQUH-630 + µ					
MMFQUH-800 DB		800							MMEQUH-800 + µ

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

Inverted threaded connection

Mounting size



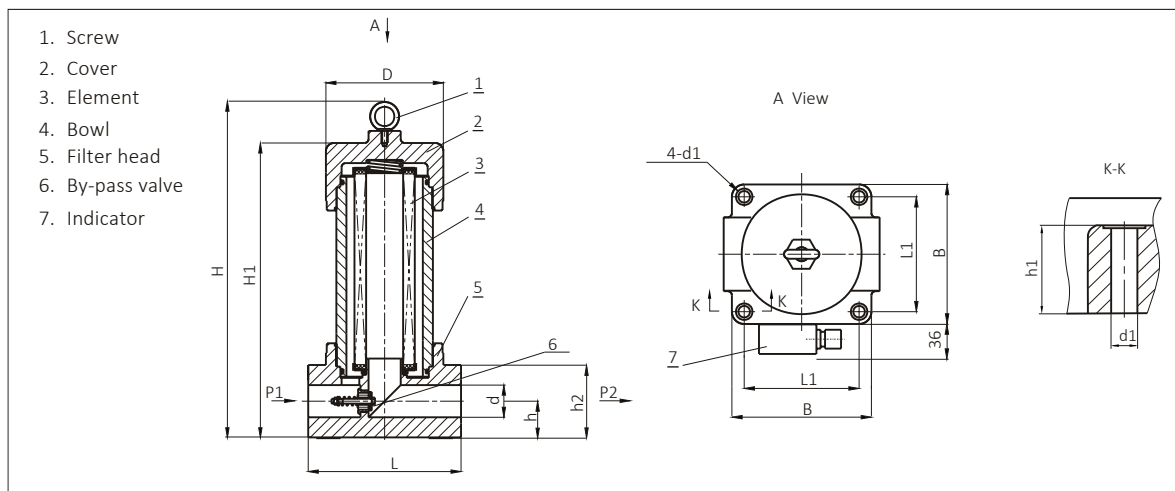
Size (mm)											
Model	H	H1	L	L	B	d1	h	h1	h2	M	D
MMFQUH-10 DT	198	148	130	95	115	Ø9	27.5	33	54	M27×2	Ø9
MMFQUH-25 DT	288	238									
MMFQUH-40 DT	247	197	156	115	145	Ø14	34	41	68	M33×2	Ø124
MMFQUH-63 DT	315	265								M42×2	
MMFQUH-100 DT	377	327								M48×2	
MMFQUH-160 DT	415	365	190	140	170		46	50			Ø146

Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration		Indicator power		Weight (Kg)	Model of element		
			rating	Pressure (MPa)	Pressure loss (Max)	loss (Initial)			(Volts/Watt)	
MMFQUH-10 DT	15	10	3	32	0.08	0.35	24V/48W	8.5	MMEQUH-10 + μ	
MMFQUH-25 DT		25			0.1			9.9	MMEQUH-25 + μ	
MMFQUH-40 DT	20	40	6					16.4	MMEQUH-40 + μ	
MMFQUH-63 DT		63	12					18.9	MMEQUH-63 + μ	
MMFQUH-100 DT	25	100	20		0.15		220V/50W	22.5	MMEQUH-100 + μ	
MMFQUH-160 DT	32	160						33.4	MMEQUH-160 + μ	

Inverted flanged connection

Mounting size



Size (mm)											
Model	H	H1	D	L	L1	B	d1	h	h1	h2	d
MMFQUH-10 DF	198	148	Ø92	130	95	115	Ø9	27.5	33	54	Ø18
MMFQUH-25 DF	288	238									
MMFQUH-40 DF	247	197	Ø124	156	115	145	Ø14	34	41	68	Ø25
MMFQUH-63 DF	315	265									
MMFQUH-100 DF	377	327	Ø146	190	140	170	Ø18	46	50	92	Ø32
MMFQUH-160 DF	415	365									Ø40
MMFQUH-250 DF	485	435	Ø176	240	160	200	Ø18	63	75	122	Ø50
MMFQUH-400 DF	532	482									Ø55
MMFQUH-630 DF	632	582	Ø176	240	160	200	Ø18	63	75	122	Ø55
MMFQUH-800 DF	752	702									Ø55

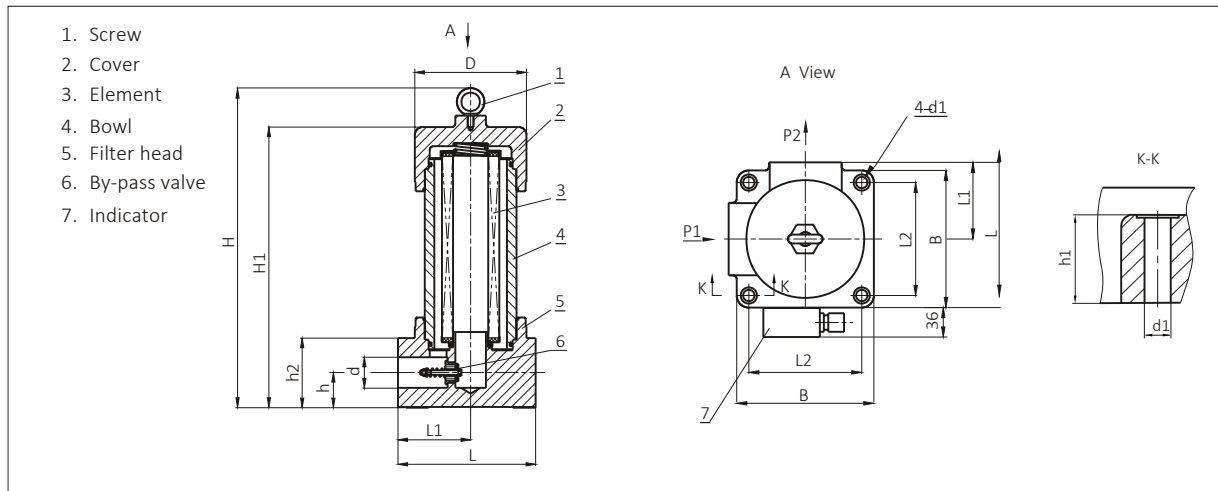
Technical data

Model	Diameter (mm)	Flow rate (L/min)	Filtration rating (µm)	Pressure (MPa)	Pressure Initial	Pressure loss (MPa) Max.	Indicator power (Volts/Watts)	Weight (Kg)	Model of element
MMFQUH-10 DF	15	10	3	32	0.08	0.35	24V/48W	8.6	MMEQUH-10 + µ
MMFQUH-25 DF		25						10.0	MMEQUH-25 + µ
MMFQUH-40 DF	20	40	6	32	0.1	0.35	24V/48W	16.6	MMEQUH-40 + µ
MMFQUH-63 DF		63						19.2	MMEQUH-63 + µ
MMFQUH-100 DF	25	100	12	32	0.12	0.35	24V/48W	22.9	MMEQUH-100 + µ
MMFQUH-160 DF	32	160						34.0	MMEQUH-160 + µ
MMFQUH-250 DF	40	250	20	32	0.15	0.35	220V/50W	41.9	MMEQUH-250 + µ
MMFQUH-400 DF	50	400						57.6	MMEQUH-400 + µ
MMFQUH-630 DF	53	630	20	32	0.15	0.35	220V/50W	62.4	MMEQUH-630 + µ
MMFQUH-800 DF		800							MMEQUH-800 + µ

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

Inverted flanged connection 'L' Ported

Mounting size



Size (mm)												
Model	H	H1	L	L1	L2	B	d1	h	h1	h2	d	D
MMFQUH-10 DFL	198	148	122.5	65	95	115	Ø9	27.5	33	54	Ø18	Ø92
MMFQUH-25 DFL	288	238										
MMFQUH-40 DFL	247	197										
MMFQUH-63 DFL	315	265	150.5	78	115	145	Ø14	34	41	68	Ø25	Ø124
MMFQUH-100 DFL	377	327										
MMFQUH-160 DFL	415	365										
MMFQUH-250 DFL	485	435	180	95	140	170	Ø18	46	50	92	Ø32	Ø146
MMFQUH-400 DFL	532	482									Ø40	
MMFQUH-630 DFL	632	582									Ø50	
MMFQUH-800 DFL	752	702	220	120	160	200	Ø18	63	75	122	Ø55	Ø176

Technical Data

Model	Diameter (mm)	Flow rate (L/min)	Filtration rating (µm)	Pressure (MPa)	Pressure loss (MPa)		Indicator power (Volts/Watts)	Weight (Kg)	Model of element
					Initial	Max.			
MMFQUH-10 DFL	15	10	3	32	0.08	0.35	24V/48W	8.6	MMEQUH-10 + µ
MMFQUH-25 DFL		25						10.0	MMEQUH-25 + µ
MMFQUH-40 DFL		40						16.6	MMEQUH-40 + µ
MMFQUH-63 DFL	20	63	6	32	0.1	0.35	24V/48W	19.2	MMEQUH-63 + µ
MMFQUH-100 DFL		100						22.9	MMEQUH-100 + µ
MMFQUH-160 DFL		160						34.0	MMEQUH-160 + µ
MMFQUH-250 DFL	40	250	12	32	0.12	0.35	24V/48W	41.9	MMEQUH-250 + µ
MMFQUH-400 DFL		400						57.6	MMEQUH-400 + µ
MMFQUH-630 DFL		630						62.4	MMEQUH-630 + µ
MMFQUH-800 DFL	53	800	20	32	0.15	0.35	220V/50W		MMEQUH-800 + µ

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

Notes

[illegible]