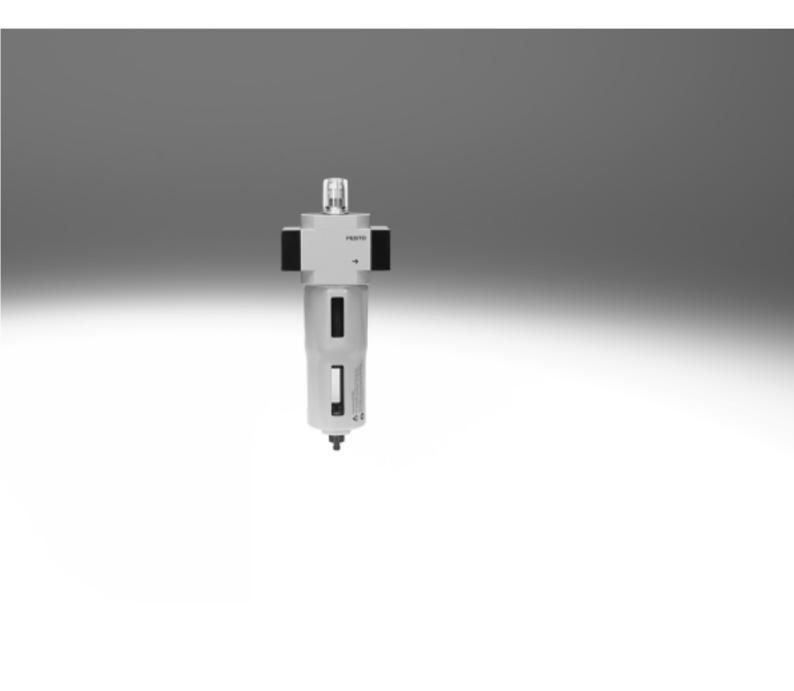
## Filters LF/LFMA/LFMB/LFX/LFMBA, D series

# **FESTO**





Туре	Size	Pneur	natic co	nnectio	on							Press	ure Ition ra	nge	Grade of filtration				
													[bar]			[µm]			
			M5	M7	G½8	G <sup>1</sup> ⁄4	G3/8	G½	G <sup>3</sup> / <sub>4</sub>	<b>G</b> 1	QS4	QS6	0.5  7	0.5  12	2.5  12	0.01	1	5	40
Service units																			
FRC/FRCS		Micro				-	-	-	-	-				_	_	-	-		-
		Mini	-	-				-	-	-	-	-			-	-	-		
		Midi	-	-	-					-	-	-			-	-	-		
	<u> </u>	Maxi	-	-	-	-	-				-	-	-	-	-	-	_		-
	•		1	1	ll	Į.	Į.	ļ.	ll	Į.	ļ				ļ		Į.	1	
Service unit com	binations																		
FRC-K		Micro	-																
		Mini	-	-			-	-	-	-	-	-	-			-	-	-	
		Midi	-	-	-				-	-	-	-	-			-	_	-	
		Maxi	_	_	_	_	_			_	_	_	_			_	_	_	
LFR-K	Ω.	Micro	-																l
LFRS-K		Mini	_	_			_	_	_	_	_	_	_			_	_	_	
		Midi	_	_	_				_	_	_	_	_			_	_	_	
	Ĭ	Maxi	_	_	_	_	_			_	_	_	_			_	_	_	
	•	maxi												_					_
Individual device	) C																		
Filter	Ω	Micro				_	_	_	_	_				_	_	_	_		_
regulators		Mini	_	_	_			_	_	_	_	_			_	_	_		
LFR/LFRS	<b>***</b>	Midi	_	_	_				-	_	_	_			_	_	_		
LIN, LING	Ĭ	Maxi	_	_	_	_	_				_	_			_	_	_		
	*	Muxi											_						_
Filters		Micro				_	_	_	_	_			_	_	_	_	_		-
LF		Mini	_	_				_	_	_	_	-	_	_	_	_			_
Lr								_	_								-		
	M	Midi	-	-	-					_	-	-	-	-	-	-	-		
Fine sold of	~	Maxi	-	-	-	-	-				-	-	-	-	-	_	-		
Fine and micro		Micro	-		_	_	_									_	_		
filters	M	Mini	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
LFMA/LFMB	M	Midi	-	-	-					-	-	-	-	-	-			-	-
	<u> </u>	Maxi	-	-	-	-	-				-	-	-	-	-			-	-
Active carbon		Micro	-	ı	ı				ı	1				ı			1		
filters		Mini	-	-				-	-	-	-	-	-	-	-	-	-	-	-
LFX	Ħ	Midi	-	-	-					-	-	-	-	-	-	-	-	-	-
	Ÿ	Maxi	-	-	-	-	-				-	-	-	-	-	-	-	-	-
Filter		Micro	-			,	,	,		,							,		
combinations		Mini	-	-				-	-	-	-	-	-	-	-			-	-
LFMBA		Midi	-	-	-					-	-	-	-	-	-	•		-	-
		Maxi	-	-	-	-	-				-	-	-	-	-	-		-	-
		•																	
Pressure		Micro				-	-	-	-	-			•	-	-	-	-	-	-
regulators		Mini	-	-				-	-	-	-	-	•		-	-	-	-	-
LR/LRS		Midi	-	-	-					-	-	-		•	-	-	-	-	-
		Maxi	-	_	_	_	_				_	-		-	_	-	_	_	_
		παλι						_	_	_				_					



Туре	Size	Bowl g	guard	Conde	nsate di	rain	Pressu indica		Actuat	tor lock	Supply	y voltage	•	Options			→ Page/ Internet
		Metal bowl guard	Plastic bowl	Manual rotary	Semi-automatic	Fully automatic	With pressure gauge	Without pressure gauge	Rotary knob with detent	Rotary knob with integrated lock	24 V DC	110 V AC	230 V AC	Directly actuated pressure regulator with integrated return flow function	Pilot actuated pressure regulator with integrated return flow function	Differential pressure indicator	
Service units																	
FRC/FRCS	Micro	-				-				-	-	-	-	-	-	-	frc
	Mini		-		-	-					-	-	-	-	-	-	
	Midi		-		-						-	-	-	-	-	-	
	Maxi		-		-						-	-	-			-	
Service unit con	nbination	S															
FRC-K	Micro	_															frc
	Mini		_		_			_		_		_	_	_	_	_	-
	Midi		_		_	-		_		_		_	_	_	_	_	
	Maxi		_		_			_		_		_	_	-	•	_	
LFR-K	Micro	-				_	_		_								lfr
LFRS-K	Mini		_		_			_				_	_	_	_	_	
	Midi		_		_			_				_	_	_	_	_	
	Maxi		_		_			_				_	_		•	_	
	arti	_					_		_								
Individual device	es																
Filter	Micro	_				_				l -	_	_	_	_	_	_	lfr
regulators	Mini		-		-			-			-	-	-	-	-	-	
LFR/LFRS	Midi		-		-	•					-	-	-	-	-	_	
	Maxi		-		-			-			-	-	-			-	
				ļ			1	l .	1	ļ			Į.				
Filters	Micro	-				-	-	-	-	-	-	-	-	-	-	-	6
LF	Mini		-		-		-	-	-	-	-	-	-	-	-	-	
	Midi		-		-	•	-	-	-	-	-	-	-	-	-	-	
	Maxi		-		-		-	-	-	-	-	-	-	-	-	-	
Fine and micro	Micro	-															14
filters	Mini		-		-		-	-	-	-	-	-	-	-	-		
LFMA/LFMB	Midi		-		-		-	-	-	-	-	-	-	-	-		
	Maxi		-		-		-	-	-	-	-	-	-	-	-		
Active carbon	Micro	-															23
filters	Mini		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LFX	Midi		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Maxi		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Filter	Micro	-															29
combinations	Mini		-		-	-	-	-	-	-	-	-	-	-	-		
LFMBA	Midi		-		-	-	-	-	-	-	-	-	-	-	-		
	Maxi		-		-		-	-	-	-	-	-	-	-	-		
Duran	A4:			1	1				T _	1	1	1					I.
Pressure	Micro	-	-	-	-	-	-	-	-	-	-	-	-	_	-	-	lr
regulators	Mini	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LR/LRS	Midi	-	-	-	-	-	-	-		-	-	-	-	-	-		
	Maxi	-	-	-	-	-					-	-	-			-	



Туре	Type S			connection										Pressure regulation range [bar]		
			M5	M7	G½8	G1/4	G3/8	G½	G3/4	G1	QS4	QS6	0.5  7	0.5  12		
Individual devic	es															
Pressure	Ω	Micro	-													
regulators		Mini	-	_	-		_	_	_	_	-	-				
LRB/LRBS		Midi	-	-	-	-	-	-	-	-	-	-	-			
		Maxi	-								•					
Pressure		Micro	-													
regulator		Mini	-	-	-			-	_	_	-	-				
combinations	(0) o	Midi	-	_	-	_			_	_	-	-				
LRB-K		Maxi	-													
		1												T		
Lubricators		Micro	-	-	•	-	-	-	-	-	•	-	-	-		
LOE		Mini	-	-	-	-	-	-	-	-	-	-	-	-		
	Ĭ	Midi	-	-	-	-	-	-	-	_	-	-	-	-		
	<u> </u>	Maxi	-	_	-	-	_				-	_	-	-		
On-off valves	~	Micro	_													
HE		Mini	_	1		•		_	_	1		1	_			
nc		Midi	_	-	-			_	_	-	-	-	_	-		
		Maxi	_	_	_	_	_	-	-		_	_	_	_		
On-off valves,	•	Micro	_					_	-	_			_	_		
electrical		Mini	_	_		-		_	_	_	_	_	_	_		
HEE		Midi	_	_	_			-		_	_	_	_	_		
1122		Maxi	_	_	_	_	_				_	_	_	_		
On-off valves,		Micro	_													
pneumatic		Mini	_	_		-		_	_	_	_	_	_	_		
HEP		Midi	_	_	_			-		_	_	_	_	_		
		Maxi	_	-	_	_	_	-		-	_	-	_	_		
Soft-start		Micro	_													
valves		Mini	_	_				l –	_	_	_	_	_	-		
HEL		Midi	_	_	_	-	-	-	-	_	_	_	_	_		
		Maxi	_	_	_	_	_	-	-		_	_	_	_		
	1		1	II			II	II	II	II		II				
Membrane air		Micro	-													
dryers		Mini	-													
LDM1		Midi	-													
		Maxi	-	-	-	-	-				-	-	-	-		
	1		_													
Branching		Micro	-											T		
modules		Mini	-	-	-	•	-	-	_	-	-	-	-	-		
FRM		Midi	-	-	-		-		-	-	-	-	-	-		
		Maxi	-	-	-	-	-	-	•	-	-	-	-	-		
Distributor		Micro	-	-	-	-	-	-	-	-	-	-	-	-		
block		Mini	-	-	-	-	-	-	-	-	-	-	_	-		
FRZ		Midi	-	_	-	-	-	_	-	-	-	-	-	-		
ĺ		Maxi	-	-	-	-	-	-	-	-	-	-	-	_		



Туре	Type Size		Bowl guard		ndication	Actuator l	ock	Supply vo	ltage		Options		→ Page/ Internet
		Metal bowl guard	Plastic bowl	With pressure gauge	Without pressure gauge	Rotary knob with detent	Rotary knob with integrated lock	24 V DC	110 V AC	230 V AC	Non-return function	Pressure switch	
Individual devi													
Pressure	Micro	-											lrb
regulators	Mini	-	-	-				-	-	-	-	-	
LRB/LRBS	Midi	-	-	-				-	-	-	-	-	
	Maxi	-	_										
Pressure	Micro	-											lrb
regulator	Mini	-	-	-			-	-	-	-	-	-	1
combinations	Midi	-	-	-	•	•	-	-	-	-	_	_	1
LRB-K	Maxi	_	-	1	1	1	1	1	1	1	1		1
Lubricators	Micro	_		-		_	-	-	_	_	-	_	loe
LOE	Mini		_	_		_	_	_	_	_	_	_	
	Midi		_	_		_	_	_	_	_	_	_	
	Maxi		_	_		_	_	_	_	_	_	_	
		_		1							-		
On-off valves	Micro	_											he
HE	Mini	_	_	_	•		_	_	_	_	_	_	
	Midi	_	_	_		-	_	_	_	_	_	_	
	Maxi	_	_	_			_	_	_	_	_	_	-
On-off valves,	Micro	_	_		-	-	_	_		_			hee
electrical	Mini	_	_	_		_	_	•			_	_	liee
HEE	Midi						_						
ПСС	Maxi	-	-	-		-			-		-	-	-
0:#		-	_	-		_	-				-	_	la a sa
On-off valves,	Micro	-		1		1		1		T	1	1	hep
pneumatic	Mini	-	-	-	•	-	-	-	-	-	-	-	
HEP	Midi	-	-	-	•	-	-	-	-	-	-	-	
	Maxi	-	-	-		-	-	-	-	-	-	-	
Soft-start	Micro	-											hel
valves	Mini	-	-	-		-	-	-	-	-	-	-	
HEL	Midi	-	-	-		-	-	-	-	-	-	-	_
	Maxi	-	-	-		-	-	-	-	-	-	-	
Membrane air	Micro	-											ldm1
dryers	Mini	-											
LDM1	Midi	-											
	Maxi		-	-		-	-	-	-	-	-	-	
Branching	Micro	-											frm
modules	Mini	-	-	-		-	-	-	-	-			1
FRM	Midi	-	-	-	-	-	-	-	_	-	-	•	1
	Maxi	_	_	_		_	-	_	_	_			1
Distributor	Micro	_	_	_	•	_	_	_	_	_	<del>-</del>	_	frz
block	Mini	_	_	_	-	_	_	_	_	_	_	_	-1.2
FRZ	Midi					_	_	_	_	_	_	_	-
1114		-	-	-									-
	Maxi	-	-	-		-	-	-	-	-	-	-	

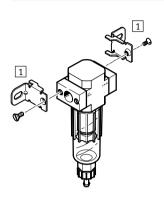
# Filters LF, D series, metal design Peripherals overview

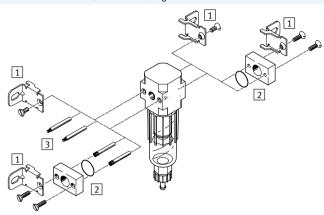


### Micro

Individual unit with connection plates, connection size G½, QS-4 or QS-6

Individual unit without connection plates, for service unit combination connection thread M5 or M7 in housing



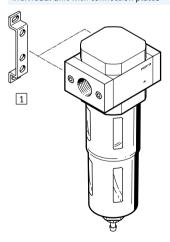


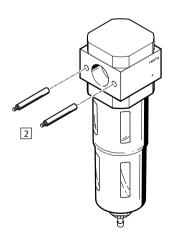
Mounting attachments and accessories					
	Individual unit		Combination		→ Page/
	with connection	without connection	with connection	without connection	Internet
	plates	plates	plates	plates	
Mounting bracket	_		_	_	hfoe-d
HFOE	-	-	•	-	
2 Connecting plate kit				_	pbl
PBL	_	-	_	-	
3 Threaded pin			_		frb-d
FRB	_	_	-	-	

### Mini/Midi/Maxi

Individual unit with connection plates

Individual unit without connection plates, for service unit combination



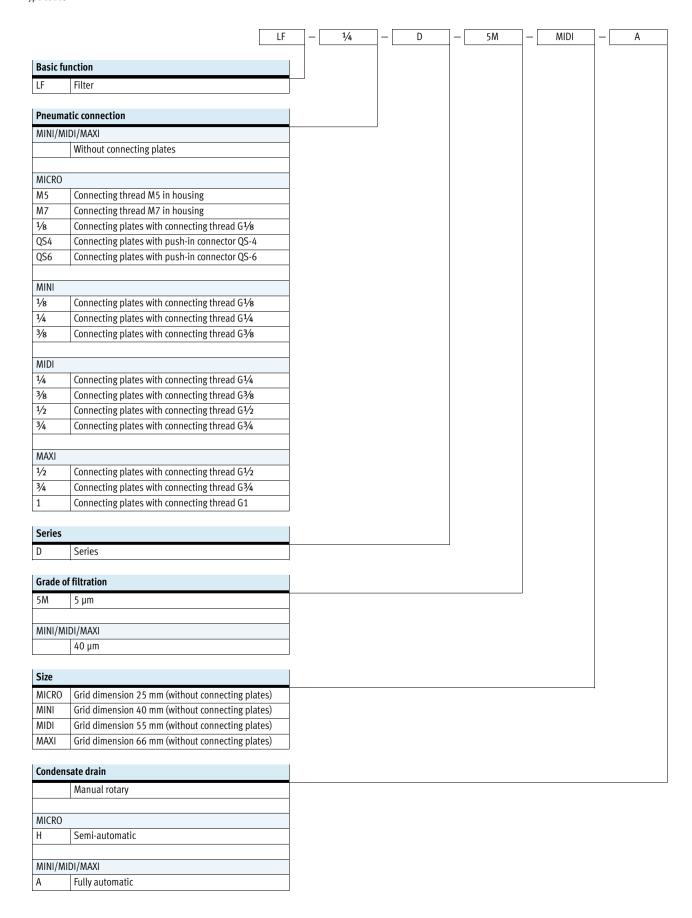


Mounting attachments and accessories					
	Individual unit		Combination		→ Page/
	with connection	without connection	with connection	without connection	Internet
	plates	plates	plates	plates	
Mounting bracket     HFOE	•	-		-	hfoe-d
2 Threaded pin (included in scope of delivery) FRB	-	-	•	-	frb-d

### Filters LF, D series, metal design



Type codes

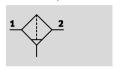


### Filters LF, D series, metal design

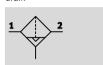
Technical data

**FESTO** 

Manual rotary condensate drain



Semi or fully automatic condensate



Flow rate 170 ... 5,300 l/min

Temperature range −10 ... +60 °C

Operating pressure 0 ... 16 bar



- Good particle and condensate separation
- High flow rate with minimal pressure drop
- With or without connecting plates
- Choice of filter cartridges: 5 μm or 40 μm
- With manual or fully automatic condensate drain
- New filter cartridges → 37

General technical data					
Size		Micro	Mini	Midi	Maxi
Pneumatic connection 1, 2 <sup>1)</sup>		M5 <sup>2)</sup> , M7 <sup>2)</sup> , G <sup>1</sup> / <sub>8</sub> , QS-4 <sup>3)</sup> ,	G½, G¼, G3/8, -4)	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub> , - <sup>4)</sup>	G½, G¾, G1, -4)
		QS-6 <sup>3)</sup>			
Design		Sintered filter with centrifugal	separator		
Type of mounting		Via accessories			
		In-line installation			
Mounting position		Vertical ±5°			
Grade of filtration [µ	um]	5	5		
			40		
Air purity class at the output		Compressed air according to I	SO 8573-1:2010 [6:8:4] (grade	e of filtration 5 μm)	
		-	Compressed air according to I	SO 8573-1:2010 [7:8:4] (grade	e of filtration 40 μm)
		Inert gases	•		
Bowl guard		-	Metal bowl guard		
Condensate drain		Manual rotary			
		Semi-automatic	Fully automatic		
Max. condensate volume [c	cm <sup>3</sup> ]	3	22	43	80

- Connecting plates with connecting thread
   Without connecting plates, connecting thread in housing
- Connecting plates with push-in connector
- Without connecting plates.
- Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate q <sub>nN</sub> <sup>1)</sup> [l/min]									
Size		Micro							
Pneumatic connection		M5	M7	G1/8	QS-4	QS-6			
Grade of filtration	5 μm	170	280	290	170	280			

- 1) Measured at p1 = 6 bar and  $\Delta p = 1$  bar.
- 125 l/min must be available for the semi automatic condensate drain to close correctly.

Standard nominal flow rate q <sub>nN</sub> <sup>1)</sup> [l/min]											
Size Mini			Midi Maxi								
Pneumatic connection		G1/8	G1/4	G3/8	G1/4	G3/8	G <sup>1</sup> / <sub>2</sub>	G3/4	G1/2	G3/4	G1
Grade of filtration	5 μm	800	950	1,100	1,600	1,800	2,000	2,000	3,700	3,600	3,800
	40 μm	1,000	1,200	1,400	1,900	2,700	3,000	3,000	4,400	5,000	5,300

<sup>1)</sup> Measured at p1 = 6 bar and  $\Delta p$  = 1 bar.

 $<sup>\</sup>parallel\cdot\parallel$  125 l/min must be available for the fully automatic condensate drain to close correctly.

# Filters LF, D series, metal design Technical data



Operating and environmen	ntal condition	ns			
Condensate drain		Manual rotary		Semi-automatic	Fully automatic
Size		Micro	Mini/Midi/Maxi	Micro	Mini/Midi/Maxi
Operating pressure	[bar]	0 10	0 16	1 10	2 12
Operating medium		Compressed air according to	Compressed air according to	Compressed air according to	Compressed air according to
		ISO 8573-1:2010 [-:9:-]	ISO 8573-1:2010 [-:9:-]	ISO 8573-1:2010 [-:9:-]	ISO 8573-1:2010 [7:9:-]
		Inert gases	1	·	1
Ambient temperature	[°C]	-10 +60			+5 +60
Temperature of medium	[°C]	-10 +60			+5 +60
Storage temperature	[°C]	-10 +60			
Corrosion resistance class (	CRC <sup>1)</sup>	2			
Maritime classification		See certificate (pneumatic cor	nnection G½ G1) <sup>2)</sup>		

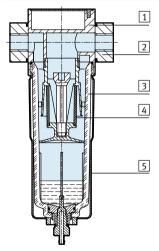
<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

2) Additional information www.festo.com/sp → Certificates.

Weight [g]						
Size	Micro		Mini	Midi	Maxi	
	Connecting	Connecting			Connection	Connection
	thread	plate			G½, G¾	G1
Filter	44	64	250	700	1,340	1,440

### Materials

Sectional view



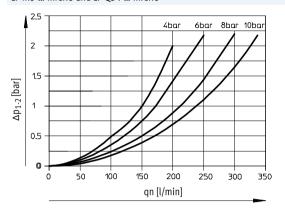
Filter	Micro	Mini/Midi/Maxi
1 Housing	Wrought aluminium alloy	Die-cast zinc
2 Connecting plates	Wrought aluminium alloy	Die-cast zinc/aluminium
3 Bowl	PC	
4 Filter cartridge	PE	
5 Metal bowl guard	_	Aluminium
– Seals	NBR	
Note on materials	RoHS-compliant	

# Filters LF, D series, metal design Technical data

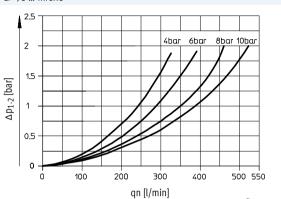
**FESTO** 

### Standard flow rate qn as a function of differential pressure $\Delta p1-2$

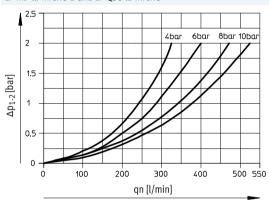
LF-M5-...-MICRO and LF-QS4-...-MICRO



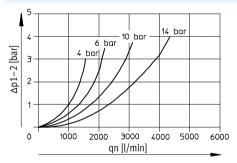




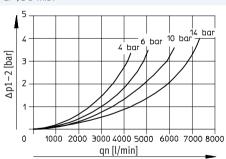
LF-M7-...-MICRO B and LF-QS6-...-MICRO



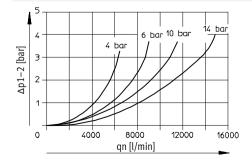
LF-1/4-D-MINI



LF-1/2-D-MIDI

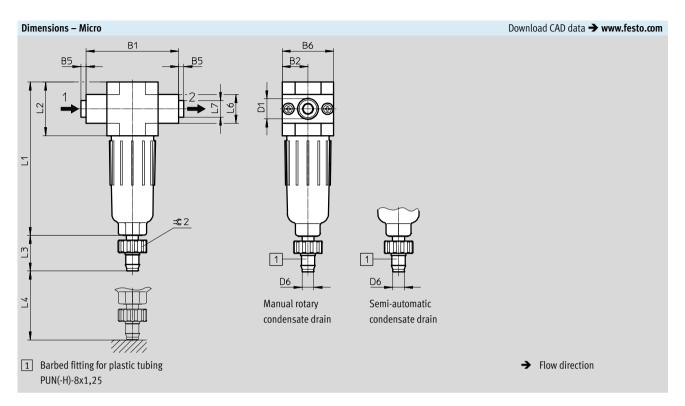


LF-1-D-MAXI



# Filters LF, D series, metal design





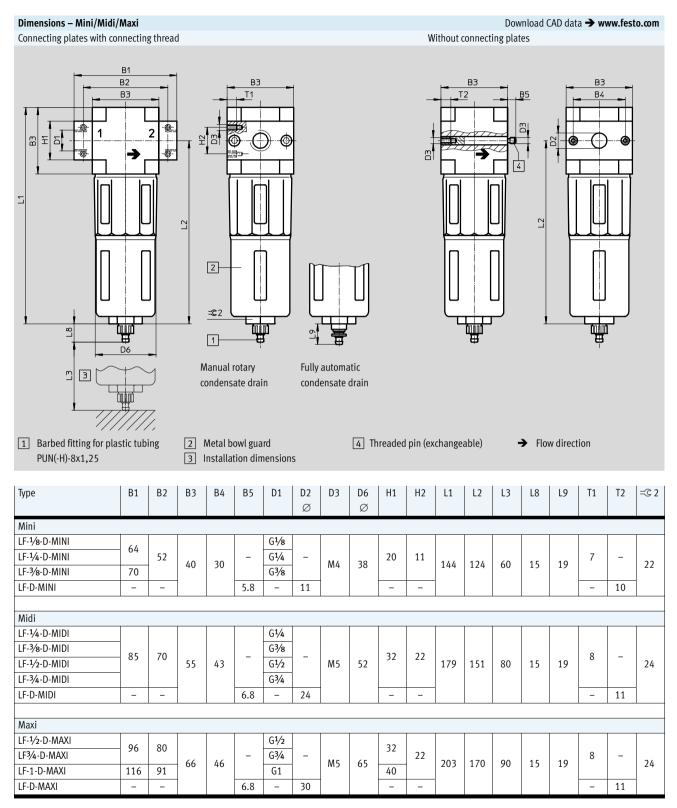
Туре	B1	B2	B5	В6	D1	D6 ∅	L1	L2	L3	L4 min.	L6	L7	=© 2
LF-M5-D-5M-MICRO (H)	25				M5								
LF-M7-D-5M-MICRO (H) B	25		-		M7							-	
LF-1/8-D-5M-MICRO (H)		12.5		25	G1/8	5.6	74.5	26	~17.3	60	14		12
LF-QS4-D-5M-MICRO (H)	45		~2.5		QS-4							~8	
LF-QS6-D-5M-MICRO (H)			~2.5		QS-6							~10	

Note: This product conforms to ISO 1179-1 and to ISO 228-1

### Filters LF, D series, metal design



Technical data



 $<sup>\</sup>parallel$  - Note: This product conforms to ISO 1179-1 and to ISO 228-1

# Filters LF, D series, metal design Technical data



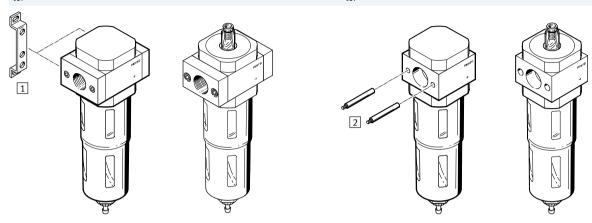
Ordering d	lata – Micro			
Size	Condensate drain	Connection	Grade of f	iltration 5 µm
			Part No.	Туре
Without co	onnecting plates, connecting	g thread in housing	g	
Micro	Manual rotary	M5	526297	LF-M5-D-5M-MICRO
		M7	534182	LF-M7-D-5M-MICRO-B
	Semi-automatic	M5	526298	LF-M5-D-5M-MICRO-H
		M7	534183	LF-M7-D-5M-MICRO-H-B
Connecting Micro	g plates with connecting thr Manual rotary	ead G1/8	526299	LF-1/8-D-5M-MICRO
	Semi-automatic	G1/8	526300	LF-1/8-D-5M-MICRO-H
Connecting	g plates with push-in conne	ctor		
Micro	Manual rotary	QS-4	526305	LF-QS4-D-5M-MICRO
		QS-6	526307	LF-QS6-D-5M-MICRO
	Semi-automatic	QS-4	526306	LF-QS4-D-5M-MICRO-H
		QS-6	526308	LF-QS6-D-5M-MICRO-H

Size	Condensate drain	Connection	Grade of filtration 5 µm		Grade of f	iltration 40 μm
			Part No.	Туре	Part No.	Туре
Without co	onnecting plates				·	
Mini	Manual rotary	-	192557	LF-D-5M-MINI	192551	LF-D-MINI
	Fully automatic	-	192560	LF-D-5M-MINI-A	192554	LF-D-MINI-A
Midi	Manual rotary	-	192558	LF-D-5M-MIDI	192552	LF-D-MIDI
	Fully automatic	-	192561	LF-D-5M-MIDI-A	192555	LF-D-MIDI-A
Maxi	Manual rotary	-	192559	LF-D-5M-MAXI	192553	LF-D-MAXI
	Fully automatic	-	192562	LF-D-5M-MAXI-A	192556	LF-D-MAXI-A
	g plates with connecting thr					
Mini	Manual rotary	G1/8	162610	LF-1/8-D-5M-MINI	159612	LF-1/8-D-MINI
		G1/4	162611	LF-1/4-D-5M-MINI	159613	LF-1/4-D-MINI
		G3/8	162612	LF-3/8-D-5M-MINI	162606	LF-3/8-D-MINI
	Fully automatic	G1/8	162618	LF-1/8-D-5M-MINI-A	159616	LF-1/8-D-MINI-A
		G1/4	162619	LF-1/4-D-5M-MINI-A	159617	LF-1/4-D-MINI-A
		G3/8	162620	LF-3/8-D-5M-MINI-A	162608	LF-3/8-D-MINI-A
Midi	Manual rotary	G1/4	186460	LF-1/4-D-5M-MIDI	186459	LF-1/4-D-MIDI
		G3/8	162613	LF-3/8-D-5M-MIDI	159576	LF-3/8-D-MIDI
		G1/2	162614	LF-½-D-5M-MIDI	159578	LF-½-D-MIDI
		G3/4	162615	LF-3/4-D-5M-MIDI	162607	LF-3/4-D-MIDI
	Fully automatic	G1/4	186462	LF-1/4-D-5M-MIDI-A	186461	LF-1/4-D-MIDI-A
		G3/8	162621	LF-3/8-D-5M-MIDI-A	159577	LF-3/8-D-MIDI-A
		G1/2	162622	LF-½-D-5M-MIDI-A	159579	LF-½-D-MIDI-A
		G3/4	162623	LF-3/4-D-5M-MIDI-A	162609	LF-3/4-D-MIDI-A
Махі	Manual rotary	G <sup>1</sup> / <sub>2</sub>	186464	LF-½5M-MAXI	186463	LF-1/2-D-MAXI
		G3/4	162616	LF-3/4-D-5M-MAXI	159614	LF-3/4-D-MAXI
		G1	162617	LF-1-D-5M-MAXI	159615	LF-1-D-MAXI
	Fully automatic	G <sup>1</sup> / <sub>2</sub>	186466	LF-1/2-D-5M-MAXI-A	186465	LF-1/2-D-MAXI-A
		G3/4	162624	LF-3/4-D-5M-MAXI-A	159618	LF-3/4-D-MAXI-A
		G1	162625	LF-1-D-5M-MAXI-A	159619	LF-1-D-MAXI-A

# Fine and micro filters LFMA/LFMB, D series, metal design Peripherals overview



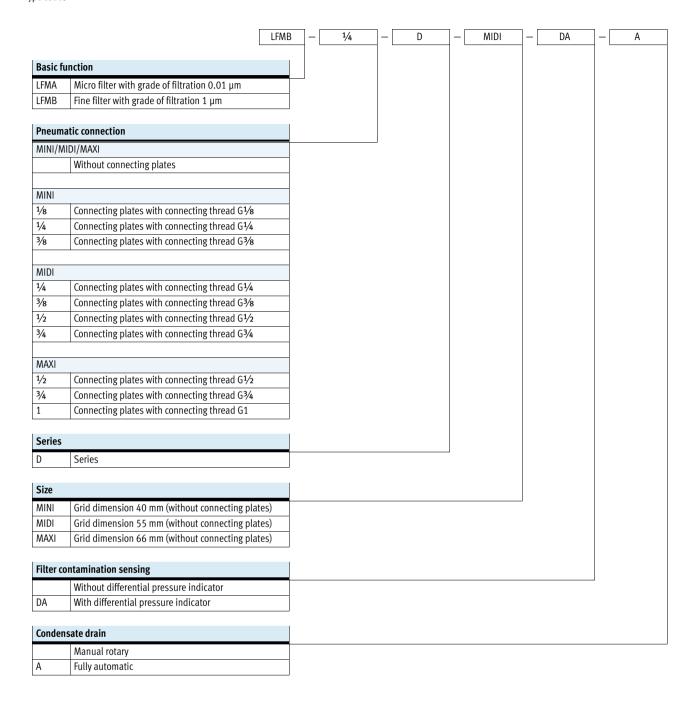
#### Mini/Midi/Maxi Individual unit with connection plates Individual unit without connection plates, for service unit combination without differential pressure indicawith differential pressure indicator without differential pressure indicawith differential pressure indicator tor



Mounting attachments and accessories					
	Individual unit		Combination		→ Page/
	with connection	without connection	with connection	without connection	Internet
	plates	plates	plates	plates	
Mounting bracket	_		_		hfoe-d
HFOE	-	_	-	_	
2 Threaded pin (included in scope of delivery)			•	•	frb-d
FRB	_	_	-	-	

**FESTO** 

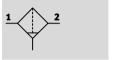
Type codes



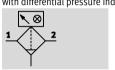


Technical data

Manual rotary condensate drain, without differential pressure indicator



with differential pressure indicator

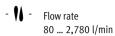


Fully automatic condensate drain, without differential pressure indicator

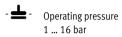


with differential pressure indicator











- High-efficiency filter for special requirements
- Air quality to ISO 8573-1:2010
- With or without connecting plates
- Version with differential pressure indicator for optical indication of filter contamination
- Choice of filter cartridges: 0.01 μm or 1 μm
- New filter cartridges → 37

General technical data								
Size		Mini	Midi	Maxi				
Pneumatic connection 1, 2 <sup>1)</sup>		G <sup>1</sup> /8, G <sup>1</sup> /4, G <sup>3</sup> /8, - <sup>2)</sup>	G½, G3/8, G½, G3/4, -2)	G½, G¾, G1, -2)				
Design		Fibre filter						
Type of mounting		Via accessories						
		In-line installation						
Mounting position		Vertical ±5°						
Grade of filtration	[µm]	0.01 (micro filter LFMA)						
		1 (fine filter LFMB)						
Air purity class at the output		Compressed air according to ISO 8573-1:2010 [1:7:2] (micro filter LFMA)						
		Compressed air according to ISO 8573-1	:2010 [5:7:3] (fine filter LFMB)					
		Inert gases						
Filter efficiency	[%]	99.9999 (grade of filtration 0.01 μm, m	icro filter LFMA)					
		99.99 (grade of filtration 1 µm, fine filte	r LFMB)					
Bowl guard		Metal bowl guard						
Condensate drain		Manual rotary						
		Fully automatic						
Differential pressure indicate	or	Visual indicator						
Residual oil content	[mg/m³]	≤0.01 (micro filter LFMA)						
		≤0.5 (fine filter LFMB)						
Max. condensate volume	[cm <sup>3</sup> ]	22	43	80				

<sup>1)</sup> Connecting plates with connecting thread

<sup>2)</sup> Without connecting plates.

Note: This product conforms to ISO 1179-1 and to ISO 228-1



Technical data

Standard flow rate q <sub>n</sub> 1) [l/min]										
Size	Mini			Midi				Maxi		
Pneumatic connection 1, 2	G1/8	G1/4	G3/8	G1/4	G3/8	G1/2	G3/4	G1/2	G3/4	G1
Micro filter LFMA										
Max. standard flow rate for air purity	360	410	450	740	880	1,120	1,110	1,500	1,900	2,200
class $q_{n \; max}$										
Min. standard flow rate for air purity	80	100	100	240	250	330	300	500	500	480
class q <sub>n min</sub>										
Fine filter LFMB										
Max. standard flow rate for air purity	500	650	675	900	1,420	1,750	1,980	2,400	2,220	2,780
class q <sub>n max</sub>										
Min. standard flow rate for air purity	150	150	125	350	500	500	600	800	750	620
class q <sub>n min</sub>										

<sup>1)</sup> Measured at p1 = 6 bar.

Operating and environmental conditions								
Condensate drain		Manual rotary	Fully automatic					
Operating pressure	[bar]	1 16	2 12					
Operating medium		Compressed air according to ISO 8573	-1:2010 [6:8:4] <sup>1)</sup>					
		Inert gases						
Ambient temperature	[°C]	-10 +60	+5 +60					
Temperature of medium	[°C]	+1.5 +60	+5 +60					
Storage temperature	[°C]	-10 +60						
Corrosion resistance class	CRC <sup>2)</sup>	2						

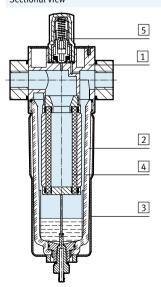
<sup>1)</sup> It is recommended to prefilter the compressed air for the micro filter LFMA using a fine filter LFMB (grade of filtration 1  $\mu$ m).

<sup>2)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weight [g]			
Size	Mini	Midi	Maxi
Without differential pressure indicator	250	650	1,200
With differential pressure indicator	368	834	1,340

### Materials

Sectional view



Fine	Fine and micro filters						
1	Housing	Die-cast zinc					
2	Bowl	PC					
3	Metal bowl guard	Aluminium					
4	Filter	Borosilicate fibre					
5	Housing for version with	PC					
	differential pressure indicator						
-	Seals	NBR					
Note	on materials	RoHS-compliant					
		Free of copper and PTFE					



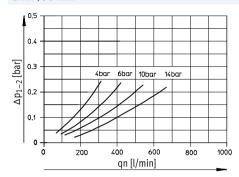
Technical data

### Standard flow rate qn as a function of differential pressure $\Delta p1-2$

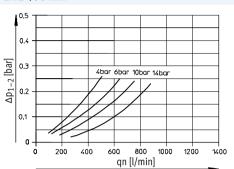
Grade of filtration 0.01 µm

Grade of filtration 1 µm

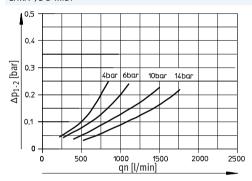
#### LFMA-1/4-D-MINI



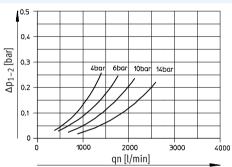
#### LFMB-1/4-D-MINI



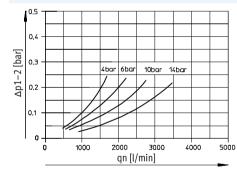
LFMA-1/2-D-MIDI



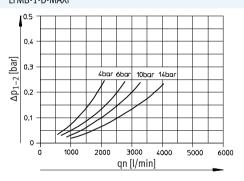
### LFMB-1/2-D-MIDI



LFMA-1-D-MAXI

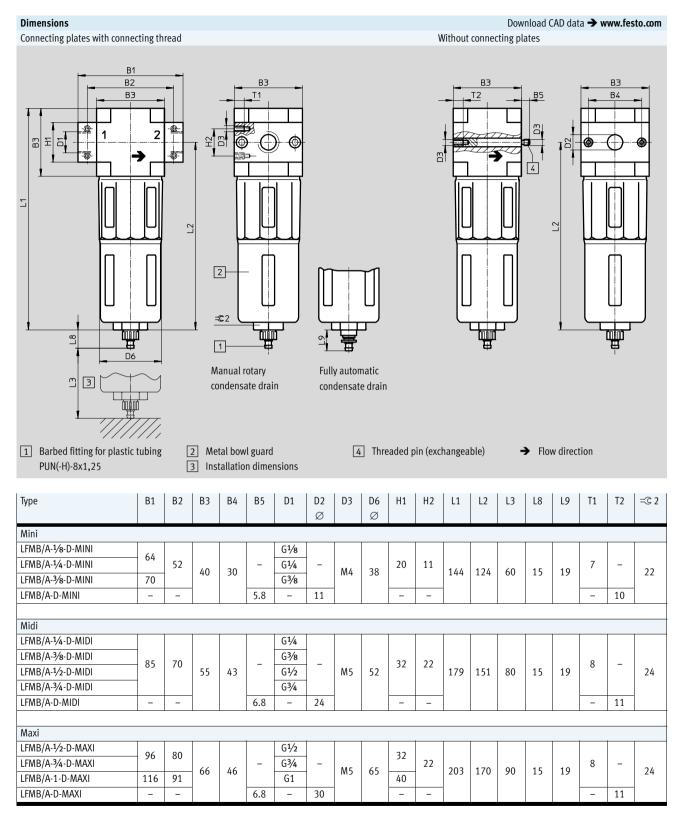


LFMB-1-D-MAXI





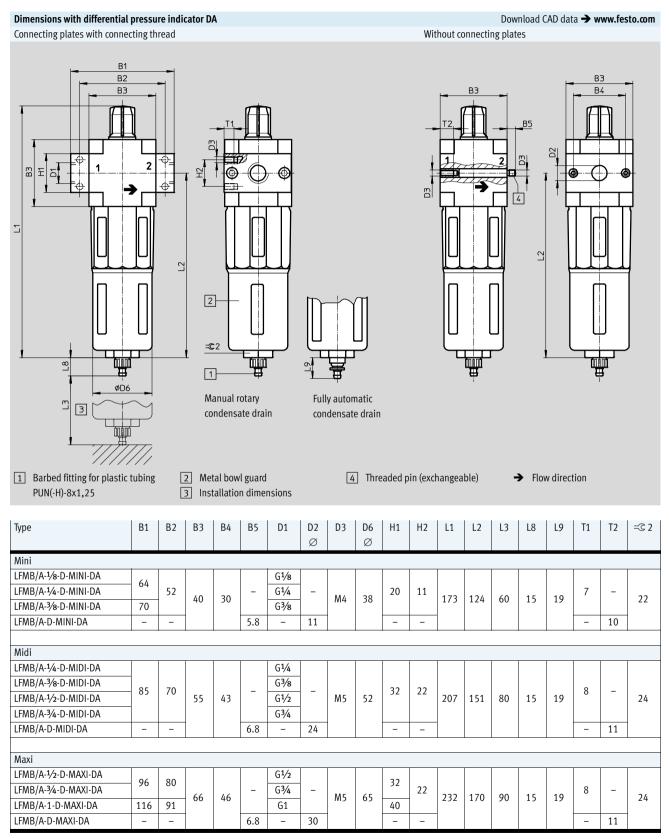
Technical data



 $<sup>\|\</sup>cdot\|$  Note: This product conforms to ISO 1179-1 and to ISO 228-1



Technical data



Note: This product conforms to ISO 1179-1 and to ISO 228-1

# Fine and micro filters LFMA/LFMB, D series, metal design Technical data



Ordering	data – Micro filter LFMA	1	
Grade of f	filtration 0.01 μm, metal	bowl guard	
Size	Connection	Condensate drain,	Condensate drain,
		manual rotary	fully automatic
		Part No. Type	Part No. Type
Without co	onnecting plates		
Mini	-	192563 LFMA-D-MINI	192566 LFMA-D-MINI-A
Midi	-	192564 LFMA-D-MIDI	192567 LFMA-D-MIDI-A
Maxi	-	192565 LFMA-D-MAXI	192568 LFMA-D-MAXI-A
Connectin	g plates with connecting	thread	
Mini	G1/8	162642 LFMA-1/8-D-MINI	162650 LFMA-1/8-D-MINI-A
	G1/4	162643 LFMA-1/4-D-MINI	162651 LFMA-1/4-D-MINI-A
	G3/8	162644 LFMA-3/8-D-MINI	162652 LFMA-3/8-D-MINI-A
Midi	G1/4	186469 LFMA-1/4-D-MIDI	186470 LFMA-1/4-D-MIDI-A
	G3/8	162645 LFMA-3/8-D-MIDI	162653 LFMA-3/8-D-MIDI-A
	G <sup>1</sup> / <sub>2</sub>	162646 LFMA-1/2-D-MIDI	162654 LFMA-1/2-D-MIDI-A
	G3/4	162647 LFMA-3/4-D-MIDI	162655 LFMA-3/4-D-MIDI-A
Maxi	G <sup>1</sup> / <sub>2</sub>	186476 LFMA-1/2-D-MAXI	186475 LFMA-1/2-D-MAXI-A
	G3/4	162648 LFMA- <sup>3</sup> / <sub>4</sub> -D-MAXI	162656 LFMA-3/4-D-MAXI-A
	G1	162649 LFMA-1-D-MAXI	162657 LFMA-1-D-MAXI-A

Grade of f	filtration 1 µm, metal bov	vl guard	
Size	Connection	Condensate drain,	Condensate drain,
		manual rotary	fully automatic
		Part No. Type	Part No. Type
Without c	connecting plates		
Mini	-	192569 LFMB-D-MINI	192572 LFMB-D-MINI-A
Midi	-	192570 LFMB-D-MIDI	192573 LFMB-D-MIDI-A
Maxi	-	192571 LFMB-D-MAXI	192574 LFMB-D-MAXI-A
Mini	G½ G¼ G¾	162626 LFMB-1/8-D-MINI 162627 LFMB-1/4-D-MINI 162628 LFMB-3/8-D-MINI	162634 LFMB-½-D-MINI-A 162635 LFMB-½-D-MINI-A 162636 LFMB-¾-D-MINI-A
Midi	G1/4	186467 LFMB-1/4-D-MIDI	186468 LFMB-1/4-D-MIDI-A
	G3/8	162629 LFMB-3/8-D-MIDI	162637 LFMB-3/8-D-MIDI-A
	G½	162630 LFMB-1/2-D-MIDI	162638 LFMB-½-D-MIDI-A
	G3/4	162631 LFMB-3/4-D-MIDI	162639 LFMB-¾-D-MIDI-A
Maxi	G½	186473 LFMB-½-D-MAXI	186474 LFMB-½-D-MAXI-A
Maxi		162632 LFMB-3/4-D-MAXI	162640 LFMB-3/4-D-MAXI-A
Maxi	G3/4	102032 LINID-74-D-INIANI	102040 LINID-74-D-MAAI-A

# Fine and micro filters LFMA/LFMB, D series, metal design Technical data



Ordering	data – Micro filter LFMA	with differential pressure indicator DA	
Grade of f	filtration 0.01 μm, metal	bowl guard	
Size	Connection	Condensate drain,	Condensate drain,
		manual rotary	fully automatic
		Part No. Type	Part No. Type
Without co	onnecting plates		
Mini	-	532837 LFMA-D-MINI-DA	532840 LFMA-D-MINI-DA-A
Midi	-	532838 LFMA-D-MIDI-DA	532841 LFMA-D-MIDI-DA-A
Maxi	-	532839 LFMA-D-MAXI-DA	532842 LFMA-D-MAXI-DA-A
Connectin	ng plates with connecting	thread	
Mini	G1/8	532843 LFMA-1/8-D-MINI-DA	532853 LFMA-1/8-D-MINI-DA-A
	G1/4	532844 LFMA-1/4-D-MINI-DA	532854 LFMA-1/4-D-MINI-DA-A
	G3/8	532845 LFMA-3/8-D-MINI-DA	532855 LFMA-3/8-D-MINI-DA-A
Midi	G1/4	532846 LFMA-1/4-D-MIDI-DA	532856 LFMA-1/4-D-MIDI-DA-A
	G3/8	532847 LFMA-3/8-D-MIDI-DA	532857 LFMA-3/8-D-MIDI-DA-A
	G1/2	532848 LFMA-1/2-D-MIDI-DA	532858 LFMA-1/2-D-MIDI-DA-A
	G3/4	532849 LFMA- <sup>3</sup> / <sub>4</sub> -D-MIDI-DA	532859 LFMA-3/4-D-MIDI-DA-A
Maxi	G <sup>1</sup> / <sub>2</sub>	532850 LFMA-1/2-D-MAXI-DA	532860 LFMA-1/2-D-MAXI-DA-A
	G3/4	532851 LFMA- <sup>3</sup> / <sub>4</sub> -D-MAXI-DA	532861 LFMA-3/4-D-MAXI-DA-A
	G1	532852 LFMA-1-D-MAXI-DA	532862 LFMA-1-D-MAXI-DA-A

Grade of f	iltration 1 μm, metal bov	vl guard	
Size	Connection	Condensate drain,	Condensate drain,
		manual rotary	fully automatic
		Part No. Type	Part No. Type
Without co	onnecting plates		
Mini	-	532811 LFMB-D-MINI-DA	532814 LFMB-D-MINI-DA-A
Midi	-	532812 LFMB-D-MIDI-DA	532815 LFMB-D-MIDI-DA-A
Maxi	-	532813 LFMB-D-MAXI-DA	532816 LFMB-D-MAXI-DA-A
Mini	G½ G¼	532817 LFMB-1/8-D-MINI-DA 532818 LFMB-1/4-D-MINI-DA	532827 LFMB-1/8-D-MINI-DA-A 532828 LFMB-1/4-D-MINI-DA-A
	G3/8	532819 LFMB-3/8-D-MINI-DA	532829 LFMB-3/8-D-MINI-DA-A
Midi	G1/4	532820 LFMB-1/4-D-MIDI-DA	532830 LFMB-1/4-D-MIDI-DA-A
	G3/8	532821 LFMB-3/8-D-MIDI-DA	532831 LFMB-3/8-D-MIDI-DA-A
	G <sup>1</sup> / <sub>2</sub>	532822 LFMB-1/2-D-MIDI-DA	532832 LFMB-1/2-D-MIDI-DA-A
	G <sup>3</sup> / <sub>4</sub>	532823 LFMB-3/4-D-MIDI-DA	532833 LFMB-¾-D-MIDI-DA-A
Maxi	G <sup>1</sup> / <sub>2</sub>	532824 LFMB-1/2-D-MAXI-DA	532834 LFMB-1/2-D-MAXI-DA-A
	G3/4	532825 LFMB-¾-D-MAXI-DA	532835 LFMB-¾-D-MAXI-DA-A
	G1	532826 LFMB-1-D-MAXI-DA	532836 LFMB-1-D-MAXI-DA-A

# Active carbon filters LFX, D series, metal design Peripherals overview

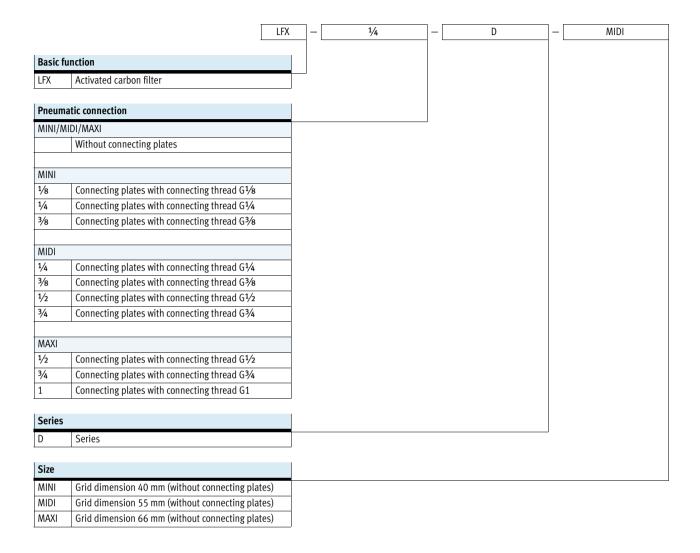


# Mini/Midi/Maxi Individual unit with connection plates Individual unit without connection plates, for service unit combination 1

Mou	Mounting attachments and accessories									
		Individual unit		Combination	→ Page/					
		with connection	without connection	with connection	without connection	Internet				
		plates	plates	plates	plates					
1	Mounting bracket HFOE	•	-	•	-	hfoe-d				
2	Threaded pin (included in scope of delivery) FRB	-	-	•	•	frb-d				

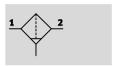


Type codes





#### Function



Flow rate 360 ... 1,100 l/min

Temperature range −10 ... +60 °C

Operating pressure 0 ... 16 bar



- Removal of liquid and gaseous oil particles from compressed air using activated carbon
- Activated carbon filter cartridges provide odour and oil-free air to food industry standard
- With or without connecting plates
- Prefiltration down to a particle size of 0.01 µm is recommended
- New filter cartridges → 37

General technical data						
Size		Mini	Midi	Maxi		
Pneumatic connection 1, 2 <sup>1)</sup>		G¹/8, G¹/4, G³/8, -2)	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub> , - <sup>2)</sup>	G½, G¾, G1, -2)		
Design		Fibre filter (filter fabric made of activated	d carbon)			
Type of mounting		Via accessories				
		In-line installation				
Mounting position		Vertical ±5°				
Air purity class at the output		Compressed air according to ISO 8573-1:2010 [1:4:1]				
		Inert gases				
Bowl guard		Metal bowl guard				
Residual oil content [m	ng/m³]	≤0.003				

<sup>1)</sup> Connecting plates with connecting thread

<sup>2)</sup> Without connecting plates.

Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard flow rate q <sub>n</sub> <sup>1)</sup> [l/min]					
Size	Mini	Midi	Maxi		
Max. standard flow rate for air purity	360	900	1,100		
class q <sub>n max</sub>					

<sup>1)</sup> Measured at p1 = 6 bar.

Operating and environmental conditions				
Operating pressure	[bar]	0 16		
Operating medium		Compressed air according to ISO 8573-1:2010 [1:4:2]		
		Inert gases		
Ambient temperature	[°C]	-10 +60		
Temperature of medium	[°C]	+5 +30		
Storage temperature	[°C]	-10 +60		
Corrosion resistance class	CRC <sup>1)</sup>	2		

<sup>1)</sup> Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

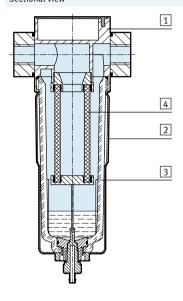


Technical data

Weight [g]					
Size	Mini	Midi	Maxi		
With connecting plates	376	816	1,191		
Without connecting plates	283	600	921		

#### Materials

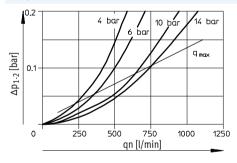
Sectional view



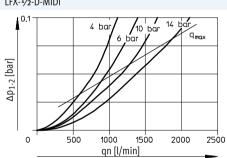
Activated carbon filter					
1 Housing	Die-cast zinc				
2 Bowl	PC				
3 Metal bowl guard	Aluminium				
4 Filter	Filter fabric made of activated				
	carbon				
- Seals	NBR				
Note on materials	RoHS-compliant				
	Free of copper and PTFE				

### Standard flow rate qn as a function of differential pressure $\Delta p1{-}2$

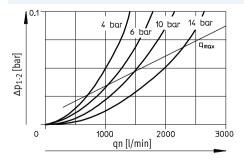
LFX-1/4-D-MINI



### LFX-1/2-D-MIDI

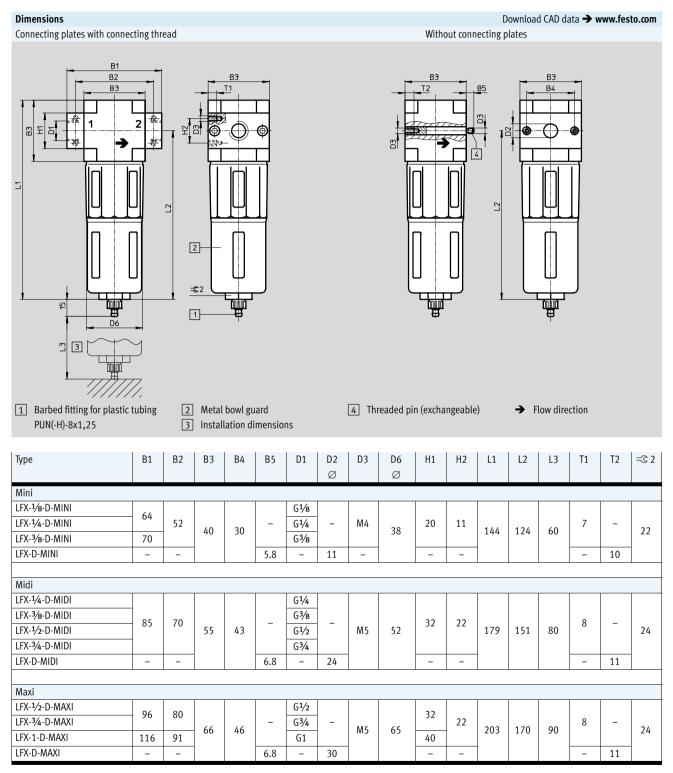


### LFX-1-D-MAXI





Technical data



Note: This product conforms to ISO 1179-1 and to ISO 228-1

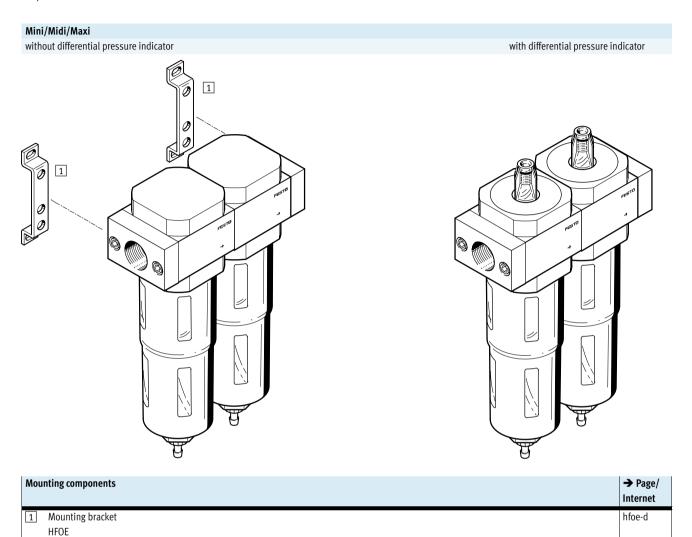
# Activated carbon filters LFX, D series, metal design Technical data



Ordering	data		
Size	Connection	Part No.	Туре
Without co	onnecting plates		
Mini	-	532776	LFX-D-MINI
Midi	-	532777	LFX-D-MIDI
Maxi		532778	LFX-D-MAXI
Connectin	ng plates with connecting	thread	
Mini	G1/8	532779	LFX-1/8-D-MINI
	G1/4	532802	LFX-1/4-D-MINI
	G3/8	532780	LFX-3/8-D-MINI
Midi	G1/4	532781	LFX-1/4-D-MIDI
	G3/8	532782	LFX-3/8-D-MIDI
	G1/2	532783	LFX-1/2-D-MIDI
	G3/4	532784	LFX-3/4-D-MIDI
Maxi	G1/2	532785	LFX-1/2-D-MAXI
	G3/4	532786	LFX-3/4-D-MAXI
	G1	532787	LFX-1-D-MAXI

# Filter combinations LFMBA, D series, metal design Peripherals overview

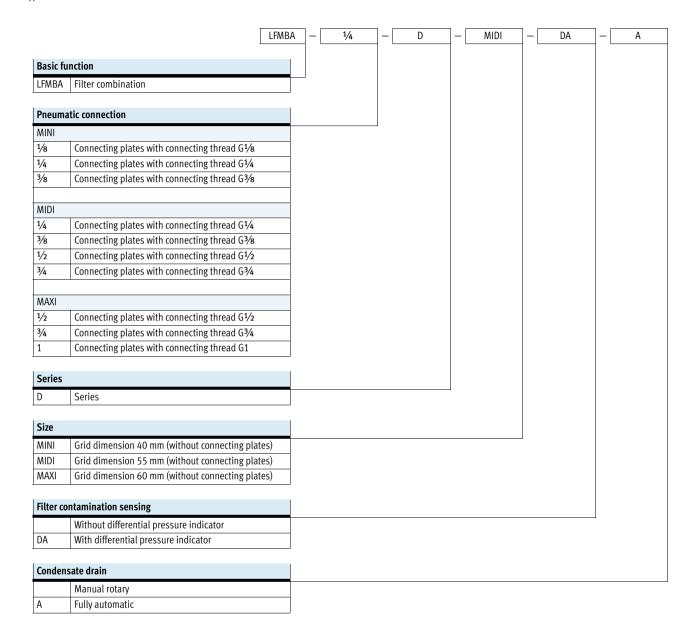




### Filter combinations LFMBA, D series, metal design



Type codes



## Filter combinations LFMBA, D series, metal design

**FESTO** 

Technical data

Manual rotary condensate drain, without differential pressure indicator



with differential pressure indicator

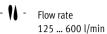


Fully automatic condensate drain, without differential pressure indicator

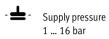


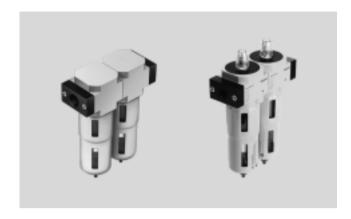
with differential pressure indicator











- High-efficiency filter for special requirements
- Air quality to ISO 8573-1:2010
- Available as pre-assembled filter combination
- Version with differential pressure indicator for optical indication of filter contamination
- Filter cartridges with 1 µm and 0.01 µm
- New filter cartridges → 37

General technical data						
Size		Mini	Midi	Maxi		
Pneumatic connection 1, 2 <sup>1)</sup>		G½, G¼, G¾, G3/8	G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>2</sub> , G <sup>3</sup> / <sub>4</sub>	G½, G¾, G1		
Design		Fibre filter				
Type of mounting		Via accessories				
		In-line installation				
Mounting position		Vertical ±5°				
Grade of filtration	[µm]	1 and 0.01				
Air purity class at the output		Compressed air according to ISO 8573-1:2010 [1:7:2]				
		Inert gases				
Filter efficiency	[%]	99.9999				
Bowl guard		Metal bowl guard				
Condensate drain		Manual rotary				
Fully automatic						
Differential pressure indicate	or	Visual indicator				
Residual oil content	[mg/m³]	≤0.01				
Max. condensate volume	[ml]	22	43	80		

- 1) Connecting plates with connecting thread
- Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate <sup>1)</sup> qnN [l/min]										
Size	Mini			Midi				Maxi		
Pneumatic connection 1, 2	G1/8	G1/4	G3/8	G <sup>1</sup> / <sub>4</sub>	G3/8	G <sup>1</sup> / <sub>2</sub>	G3/4	G <sup>1</sup> / <sub>2</sub>	G3/4	G1
LFMBA	125	130	140	300	350	350	350	550	550	600

- 1) Measured at p1 = 6 bar and  $\Delta p$  = 70 mbar. | 125 l/min must be available for the fully automatic condensate drain to close correctly.

# Filter combinations LFMBA, D series, metal design Technical data



Operating and environmental conditions					
Condensate drain		Manual rotary	Fully automatic		
Operating pressure	[bar]	1 16	2 12		
Operating medium		Compressed air according to ISO 8573-1:2010 [6:8:4]			
		Inert gases			
Ambient temperature	[°C]	-10 +60	+5 +60		
Temperature of medium	[°C]	+1.5 +60	+5 +60		
Storage temperature	[°C]	-10 +60			
Corrosion resistance class CRC <sup>1)</sup> 2					

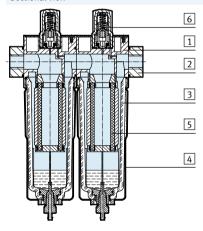
Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weight [g]					
Size	Mini	Midi	Maxi		
Without differential pressure indicator	500	1,300	2,400		
With differential pressure indicator	651	1,429	2,362		

#### Materials

Sectional view



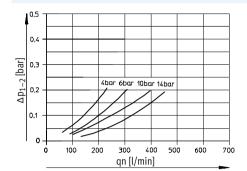
Filter combination				
1	Housing	Die-cast zinc		
2	Connecting plates	Die-cast zinc		
3	Bowl	PC		
4	Metal bowl guard	Aluminium		
5	Filter	Borosilicate fibre		
6	Housing for version with	PC		
	differential pressure indicator			
-	Seals	NBR		
Note on materials		RoHS-compliant		
		Free of copper and PTFE		

# Filter combinations LFMBA, D series, metal design Technical data

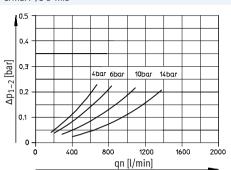


### Standard flow rate qn as a function of differential pressure $\Delta p1-2$

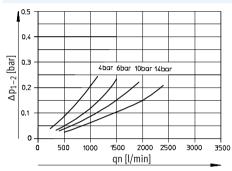
LFMBA-1/4-D-MINI



### LFMBA-1/2-D-MID



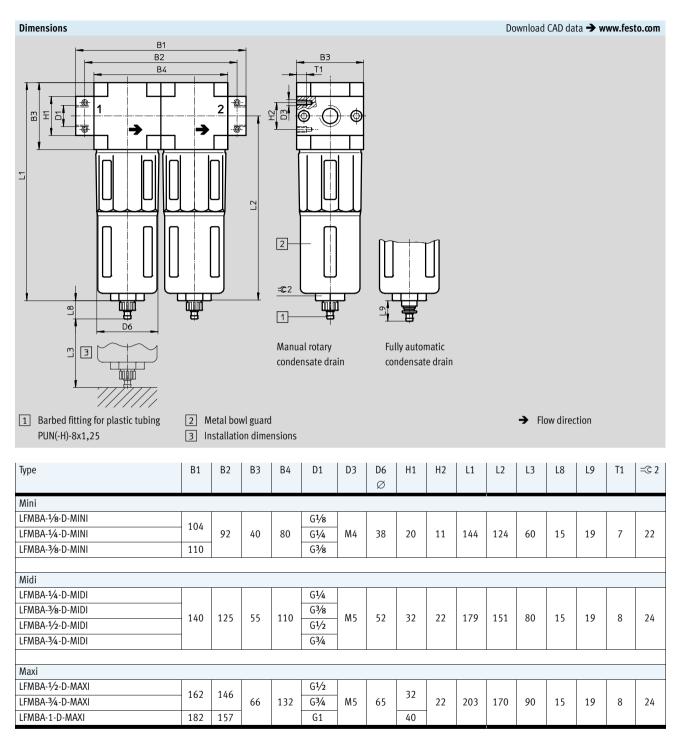
### LFMBA-1-D-MAXI



## Filter combinations LFMBA, D series, metal design



Technical data

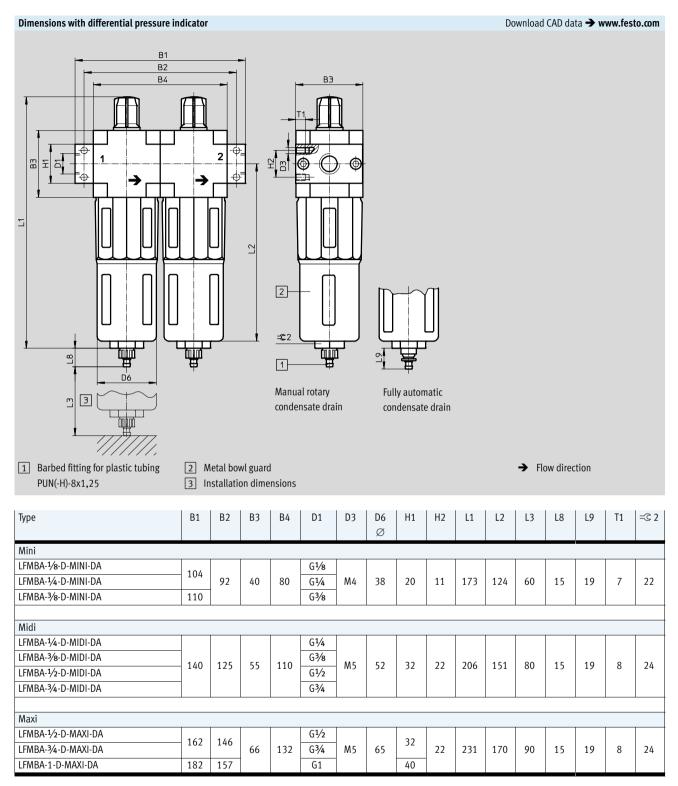


 $<sup>\|\</sup>cdot\|$  Note: This product conforms to ISO 1179-1 and to ISO 228-1

## Filter combinations LFMBA, D series, metal design



Technical data



 $<sup>\</sup>ensuremath{\|}\cdot\ensuremath{|}$  Note: This product conforms to ISO 1179-1 and to ISO 228-1

# Filter combinations LFMBA, D series, metal design Technical data



Ordering data – Filter combination LFMBA					
Size	Connection	Condensate drain,	Condensate drain,		
		manual rotary	fully automatic		
		Part No. Type	Part No. Type		
Mini	G1/8	162658 LFMBA-1/8-D-MINI	162666 LFMBA-1/8-D-MINI-A		
	G1/4	162659 LFMBA-1/4-D-MINI	162667 LFMBA-1/4-D-MINI-A		
	G3/8	162660 LFMBA-3/8-D-MINI	162668 LFMBA-3/8-D-MINI-A		
Midi	G1/4	186471 LFMBA-1/4-D-MIDI	186472 LFMBA-1/4-D-MIDI-A		
	G3/8	162661 LFMBA-3/8-D-MIDI	162669 LFMBA-3/8-D-MIDI-A		
	G1/2	162662 LFMBA-1/2-D-MIDI	162670 LFMBA-1/2-D-MIDI-A		
	G3/4	162663 LFMBA-3/4-D-MIDI	162671 LFMBA- <sup>3</sup> / <sub>4</sub> -D-MIDI-A		
Maxi	G½	186477 LFMBA-1/2-D-MAXI	186478 LFMBA-1/2-D-MAXI-A		
	G3/4	162664 LFMBA-¾-D-MAXI	162672 LFMBA-3/4-D-MAXI-A		
	G1	162665 LFMBA-1-D-MAXI	162673 LFMBA-1-D-MAXI-A		

Ordering	Ordering data – Filter combination LFMBA with differential pressure indicator DA					
Size	Connection	Condensate drain,	Condensate drain,			
		manual rotary	fully automatic			
		Part No. Type	Part No. Type			
Mini	G1/8	532863 LFMBA-1/8-D-MINI-DA	532873 LFMBA-1/8-D-MINI-DA-A			
	G1/4	532864 LFMBA-1/4-D-MINI-DA	532874 LFMBA-1/4-D-MINI-DA-A			
	G3/8	532865 LFMBA-3/8-D-MINI-DA	532875 LFMBA-3/8-D-MINI-DA-A			
Midi	G1/4	532866 LFMBA-1/4-D-MIDI-DA	532876 LFMBA-1/4-D-MIDI-DA-A			
	G3/8	532867 LFMBA-3/8-D-MIDI-DA	532877 LFMBA-3/8-D-MIDI-DA-A			
	G1/2	532868 LFMBA-1/2-D-MIDI-DA	532878 LFMBA-1/2-D-MIDI-DA-A			
	G3/4	532869 LFMBA-3/4-D-MIDI-DA	532879 LFMBA-3/4-D-MIDI-DA-A			
Maxi	G1/2	532870 LFMBA-1/2-D-MAXI-DA	532880 LFMBA-1/2-D-MAXI-DA-A			
	G3/4	532871 LFMBA-¾-D-MAXI-DA	532881 LFMBA-3/4-D-MAXI-DA-A			
	G1	532872 LFMBA-1-D-MAXI-DA	532882 LFMBA-1-D-MAXI-DA-A			

# Filters LF/LFMA/LFMB/LFX/LFMBA, D series, metal design Accessories

**FESTO** 

Filter cartridges, D series, metal design







Ordering	data		
Size	Filter cartridge	Grade of filtration	Part No. Type
		[µm]	
Micro	Filter cartridge	5	526818 LFP-D-MICRO-5M
Mini	Micro-filter cartridge	0.01	162674 MS4/D-MINI-LFM-A
	Fine-filter cartridge	1	162677 MS4/D-MINI-LFM-B
	Filter cartridge (colour: blue)	5	159640 LFP-D-MINI-5M
	Filter cartridge (colour: white)	40	363665 LFP-D-MINI-40M
	Active carbon filter cartridge	-	532912 MS4/D-MINI-LFX
Midi	Micro-filter cartridge	0.01	162675 LFMAP-D-MIDI
	Fine-filter cartridge	1	162678 LFMBP-D-MIDI
	Filter cartridge (colour: blue)	5	159594 LFP-D-MIDI-5M
	Filter cartridge (colour: white)	40	363667 LFP-D-MIDI-40M
	Active carbon filter cartridge	-	532788 LFACP-MIDI
Maxi	Micro-filter cartridge	0.01	162676 LFMAP-D-MAXI
	Fine-filter cartridge	1	162679 LFMBP-D-MAXI
	Filter cartridge (colour: blue)	5	159641 LFP-D-MAXI-5M
	Filter cartridge (colour: white)	40	363664 LFP-D-MAXI-40M
	Active carbon filter cartridge	-	532789 LFACP-MAXI