- 2 - Type discontinued Available up until 12/2008

1.Fine and micro filters, LFMB-H/LFMA-H, H series Peripherals overview and type codes

Peripherals overview 1 Ø 9)) 1 **1** 6

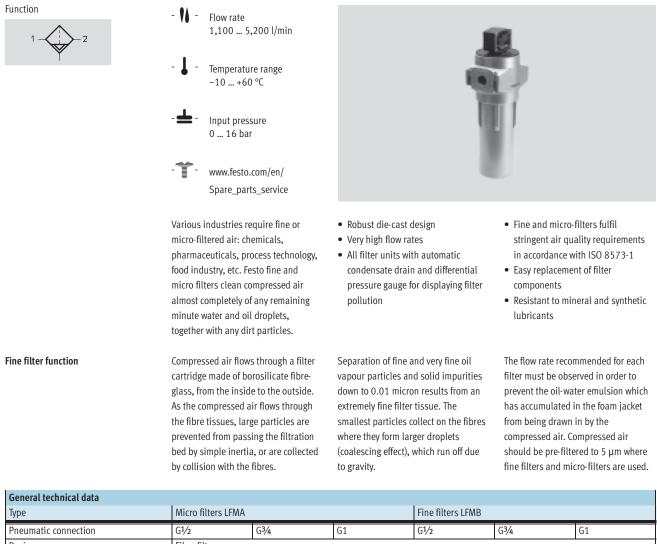
Mounting attachments and accessories			
1 Mounting bracket (2 pcs.)	10		
LFMM			

Type cod	les				
		LFMB	 1/2	 Н	 A
Servic	e function				
LFMA	Micro filter				
LFMB	Fine filter				
Pneun	natic connection				
1/2	Thread G ¹ /2				
3⁄4	Thread G3⁄4				
1	Thread G1				
Series					
Н	Series				
Conde	nsate drain		 	 	
А	Fully automatic				

Fine and micro filters, LFMB-H/LFMA-H, H series

Technical data

FESTO



Туре		Micro filters LFMA	L .		Fine filters LFMB				
Pneumatic connection		G1⁄2	G3⁄4	G1	G ¹ /2 G ³ /4 G1				
Design		Fibre filter	•		·				
Type of mounting		In-line installation	n						
		Via accessories							
Mounting position		Vertical ±5°							
Operating medium		Compressed air, filtered, grade of filtration 1 µm Compressed air, filtered, grade of filtration				f filtration 5 μm			
Grade of filtration	[µm]	0.01			1	1			
Residual oil content	[mg/m ³]	≤0.01			≤0.5	≤0.5			
Filter efficiency	[%]	99.9999			· ·				
Input pressure	[bar]	0 16							
		·							
Air purity classes per ISO	8573-1								
Particulate 1			2						
Atomised oil		2			3				

• I • Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.

- 2 - Type discontinued Available up until 12/2008

Fine and micro filters, LFMB-H/LFMA-H, H series Technical data

FESTO

Standard nominal flow rate ¹⁾ qnN [l/min]							
Connection	G ¹ /2	G3⁄4	G1				
Micro filters LFMA	1,100	2,000	3,400				
Fine filters LFMB	1,600	3,300	5,200				

1) With 6 bar input pressure and $\Delta p = 0.07$ bar.

Ambient conditions		
Ambient temperature	[°C]	-10 +60
Corrosion resistance	CRC ¹⁾	2

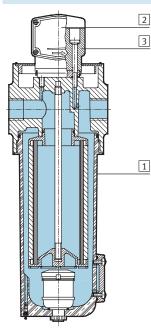
1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Weights [g]							
	G1⁄2	G3⁄4	G1				
Micro filters LFMA	1,100	2,800	3,200				
Fine filters LFMB	1,100	2,800	3,200				

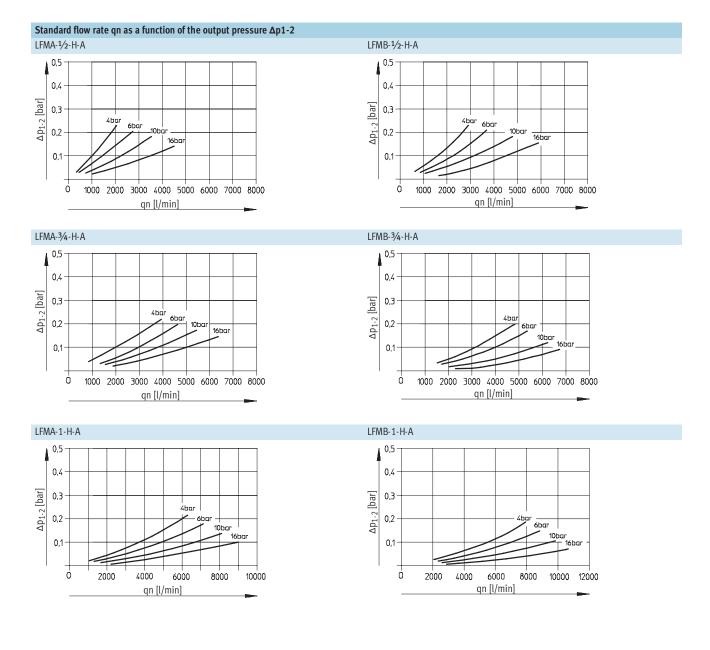
Materials

Sectional view



Fine	Fine and micro filters						
1	Housing/bowl	Die-cast zinc					
2	Pressure gauge sight glass	Polymethylmethacrylate					
3	Pressure gauge housing	Polyamide					
-	Seals	Nitrile rubber					

Fine and micro filters, LFMB-H/LFMA-H, H series Technical data

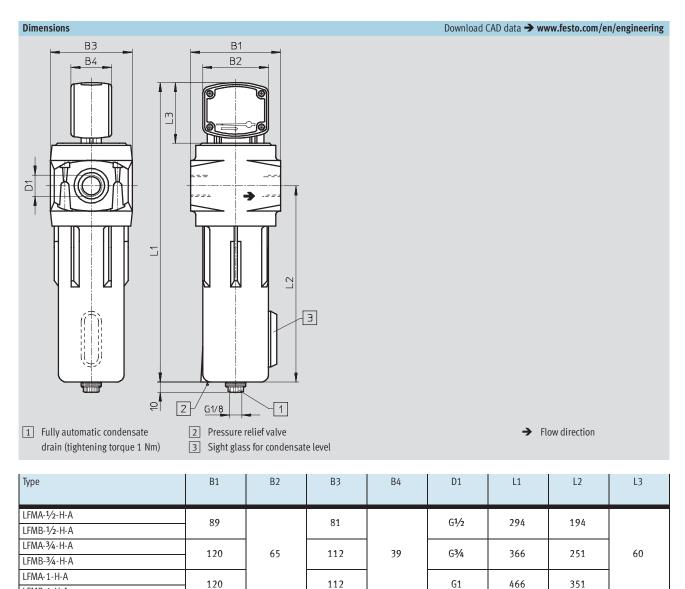


Type discontinued Available up until 12/2008

Fine and micro filters, LFMB-H/LFMA-H, H series

FESTO

Technical data

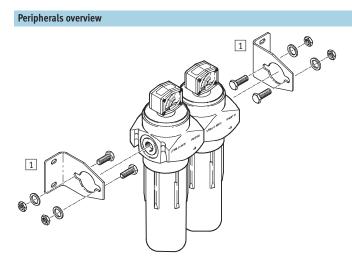


• I • Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.

Ordering data		
Connection	Grade of filtration 1 µm	Grade of filtration 0.01 µm
	Part No. Type	Part No. Type
G1⁄2	162 818 LFMB-1⁄2-H-A	162 815 LFMA-1⁄2-H-A
G3⁄4	162 819 LFMB-3⁄4-H-A	162 816 LFMA-3⁄4-H-A
G1	162 820 LFMB-1-H-A	162 817 LFMA-1-H-A

LFMB-1-H-A

Filter combinations LFMBA-H, H series Peripherals overview



Mounting attachments and accessories	→ Page/Internet
1 Mounting bracket (2 pcs.)	10
LFMM	

Туре со	des							
		LFMBA]-[1/2	-	Н	-	A
Servi	ce function							
LFMB	A Filter combination		_					
Pneur	natic connection							
1/2	Thread G ¹ /2				J			
3⁄4	Thread G3⁄4							
1	Thread G1							
Serie	5							
Н	Series						I	
Conde	ensate drain							
А	Fully automatic							

- Type discontinued Available up until 12/2008

Filter combinations LFMBA-H, H series

Technical data

Function

Flow rate 800 ... 2,600 l/min Temperature range –10 ... +60 °C Input pressure 0 ... 16 bar T www.festo.com/en/ Spare_parts_service Various industries require fine or • Available as pre-assembled filter • Fine and micro-filters fulfil micro-filtered air: chemicals, combination stringent air quality requirements pharmaceuticals, process technology, • Very high flow rates in accordance with ISO 8573-1 food industry, etc. Festo fine and • All filter units with automatic • Easy to replace filter components micro filters clean compressed air condensate drain and differential • Resistant to mineral and synthetic almost completely of any remaining pressure gauge for displaying filter lubricants minute water and oil droplets, pollution together with any dirt particles.

General technical data Filter combination LFMBA Туре Pneumatic connection G1⁄2 G3⁄4 G1 Design Fibre filter Type of mounting In-line installation Via accessories Mounting position Vertical ±5° Grade of filtration 0.01 [µm] Residual oil content $[mg/m^3]$ ≤0.01 Filter efficiency [%] 99.9999 Input pressure [bar] 0...16 Air purity classes per ISO 8573-1 Particulate Atomised oil 2

 $\cdot \parallel \cdot$ Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.

Standard nominal flow rate ¹⁾ qnN [l/min]							
Connection	G ¹ /2	G3⁄4	G1				
LFMBAH-A	800	1,400	2,600				

1) With 6 bar input pressure and $\Delta p = 0.07$ bar.

Ambient conditions								
Variant		G1/2	G3⁄4	G1				
Ambient temperature	[°C]	-10 +60						
Corrosion resistance	CRC ¹⁾	2						

1) Corrosion resistance class 2 according to Festo standard 940 070

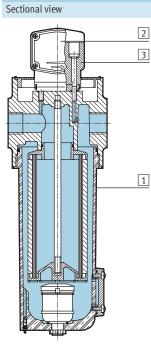
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Filter combinations LFMBA-H, H series Technical data

FESTO

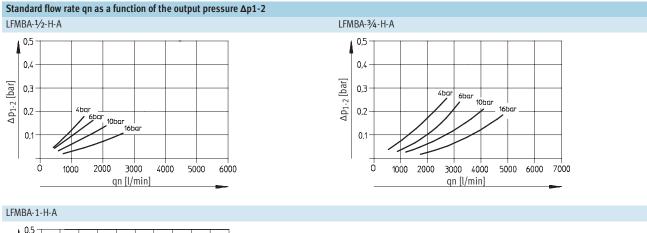
Weights [g]									
	G1⁄2	G3⁄4	G1						
LFMBA	2,300	5,700	6,500						

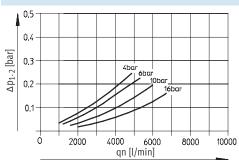
Materials



Fine and micro filters

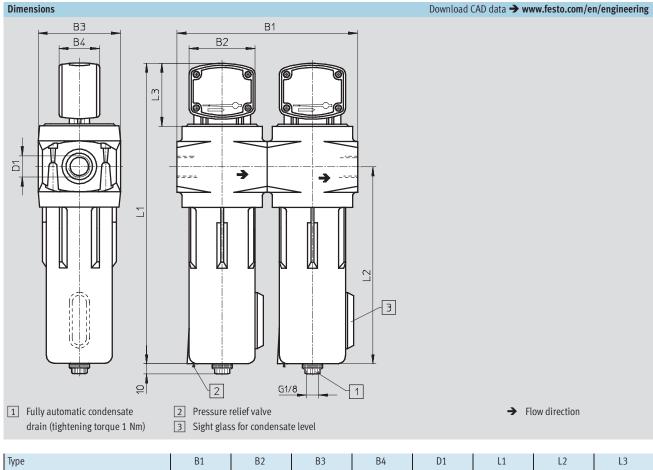
1	Housing/bowl	Die-cast zinc
2	Pressure gauge sight glass	Polymethylmethacrylate
3	Pressure gauge housing	Polyamide
-	Seals	Nitrile rubber





Filter combinations LFMBA-H, H series Technical data

FESTO



Туре	B1	B2	В3	В4	D1	L1	L2	L3
LFMBA-1/2-H-A	178		81		G1⁄2	294	194	
LFMBA-3/4-H-A	240	65	112	39	G3⁄4	366	251	60
LFMBA-1-H-A	240		112		G1	466	351	

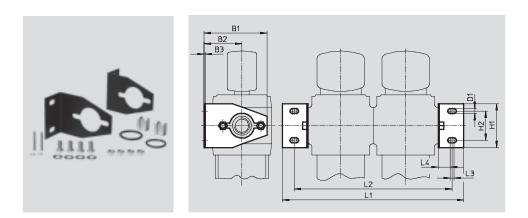
Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.

Ordering data		
Connection	Part No.	Туре
G1⁄2	162 821	LFMBA-1/2-H-A
G3⁄4	162 822	LFMBA-3/4-H-A
G1	162 823	LFMBA-1-H-A

Filters, H series

FESTO



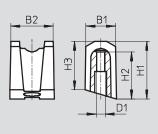


Ordering data												
Connection	B1	B2	B3	D1	H1	H2	L1	L2	L3	L4	Part No.	Туре
G1⁄2	86	52	1.6	7	60	40	248	216	5	16.5	162 830	LFMM-½-H
G3⁄4, G1	116	68	2	9	80	60	320	277	5	16	162 831	LFMM-¾-1-H

Connection piece for filter LFMV

for connecting two filters





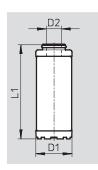
Ordering data								
Connection	B1	B2	D1	H1	H2	H3	Part No.	Туре
G1⁄2	9.75	14	M3x0.5	19	15.5	16	162 832	LFMV-1/2-H
G¾, G1	12.5	20	M4	29	26	25.5	162 833	LFMV-¾-1-H

- 7 Type discontinued Available up until 12/2014

Filters, H series

Filter cartridge LFMBP/LFMAP





Ordering data					
Connection	D1	D2	L1	Part No.	Туре
	Ø	Ø			
For fine filter					
G1/2	48	21.7	126	162 827	LFMBP-1/2-H
G3⁄4	72	33	168.8	162 828	LFMBP-3⁄4-H
G1	72	33	268.8	162 829	LFMBP-1-H
For micro filter					
G1/2	48	21.7	126	162 824	LFMAP-1/2-H
G3⁄4	72	33	168.8	162 825	LFMAP-3⁄4-H
G1	72	33	268.8	162 826	LFMAP-1-H

Product Range and Company Overview

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Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 11,500 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo North America

United States

Customer Resource Center

502 Earth City Expy., Suite 125 Earth City, MO 63045

For ordering assistance, or to find your nearest Festo Distributor, Call: 1.800.99.FESTO Fax: 1.800.96.FESTO Email: customer.service@us.festo.com

For technical support, Call: 1.866.GO.FESTO Fax: 1.800.96.FESTO Email: product.support@us.festo.com

Headquarters

Festo Corporation 395 Moreland Road P.O. Box 18023 Hauppauge, NY 11788 www.festo.com/us

Sales Offices

Appleton

N. 922 Tower View Drive, Suite N Greenville, WI 54942

Boston 120 Presidential Way, Suite 330 Woburn, MA 01801

Chicago 1441 East Business Center Drive Mt. Prospect, IL 60056

Dallas 1825 Lakeway Drive, Suite 600 Lewisville, TX 75057

Detroit - Automotive Engineering Center 2601 Cambridge Court, Suite 320 Auburn Hills, MI 48326

New York 395 Moreland Road Hauppauge, NY 11788

Silicon Valley 4935 Southfront Road, Suite F Livermore, CA 94550

Mexico

Headquarters

Festo Pneumatic, S.A. Av. Ceylán 3, Col. Tequesquinahuac 54020 Tlalnepantla, Edo. de México Call: 011 52 [55] 53 21 66 00 Fax: 011 52 [55] 53 21 66 65 Email: festo.mexico@mx.festo.com www.festo.com/mx

Design and Manufacturing Operations



East: 395 Moreland Road, Hauppauge, NY 11788



Central: 1441 East Business Center Drive, Mt. Prospect, IL 60056



West: 4935 Southfront Road, Suite F, Livermore, CA 94550

Canada

Headquarters

Festo Inc. 5300 Explorer Drive Mississauga, Ontario L4W 5G4 Call: 1.905.624.9000 Fax: 1.905.624.9001 Email: info.ca@ca.festo.com www.festo.com/ca



Festo Worldwide

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