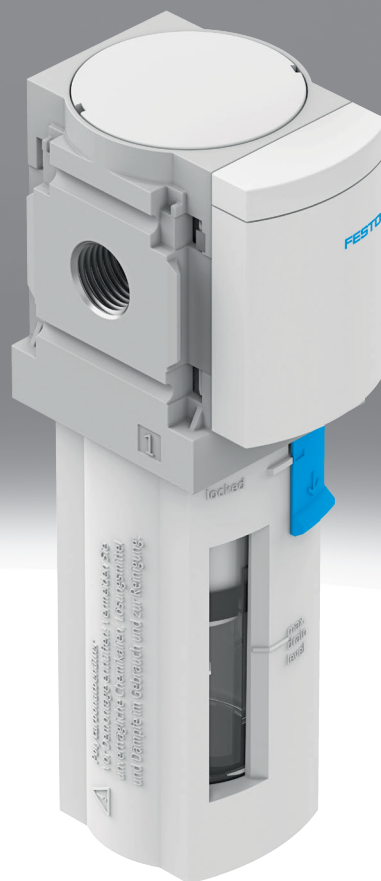


Active carbon filter MS4N-LFX

FESTO



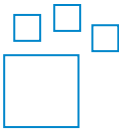
Characteristics

At a glance

- Removes liquid and gaseous oil particles from compressed air using activated carbon
- Eliminates odors and vapors
- Available with filter cartridge for low flow rates, suitable for sealing air and purge air applications
- Prefiltration with micro filter MS-LFM-A (grade of filtration 0.01 µm) is recommended
- Air quality class at the output [1.4.1] to ISO 8573-1

Ordering data - modular system

Link [ms4n-lfx](#)



Configurable product
This product and all its product options can be ordered online via the configurator.

Size

- Width dimension: 40 mm
Standard nominal flow rate:
- 8.8 scfm

Pneumatic connection

The installation of connection plates makes it easier to replace the module if necessary (e.g., when using piping).

Bowl type

Shell guard selectable either as plastic bowl guard or integrated as metal shell.

Type of mounting

[WP] Mounting bracket standard design



- For connecting the modules for wall mounting
- In conjunction with sub-base MS4-AG... for wall mounting of an individual device
- In conjunction with mounting plate MS4-AEND for wall mounting of a single device
- With equal wall distance for mixing combination with series MS4 and MS6

[WB] Mounting centrally at rear (wall mounting top and bottom), sub-bases not required



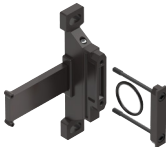
- For wall mounting an individual device
- For size 4 or 6

[WBM] Mounting centrally at rear (wall mounting top), sub-bases not required



- For wall mounting an individual device
- For size 4

[WPM] Mounting bracket for hooking in air preparation units



- Mounting attachment and connector for air preparation unit combination
- Mount and dismount the service unit combination quickly
- Spacer for maintaining the mounting gap
- For size 4, 6, or 9

Characteristics

Flow direction

Available with opposite flow direction.

Type code

001	Series	
MS	MS series	
002	Size	
4	Width dimension 40 mm	
003	Thread type	
N	NPT thread	
004	Function	
LFX	Active carbon filter	
005	Pneumatic connection	
AQK	Sub-base NPT1/8	
AQN	Sub-base NPT1/4	
AQP	Sub-base NPT3/8	
N18	1/8 NPT	
N14	1/4 NPT	

006	Bowl type	
R	Plastic bowl with plastic bowl guard	
U	Aluminum	
007	Type of mounting	
	Without mounting bracket	
WB	Mounting centrally at rear (wall mounting top and bottom), sub-bases not required	
WBM	Mounting centrally at rear (wall mounting top), sub-bases not required	
WP	Mounting bracket standard design	
WPM	Mounting bracket for hooking in air preparation units	
008	UL certification	
	None	
UL1	cULus ordinary location for Canada and USA	
009	Flow direction	
	Flow direction from left to right	
Z	Flow direction from right to left	

Datasheet

General technical data

Pneumatic connection 1	1/8 NPT	1/4 NPT
Pneumatic connection 2	1/8 NPT	1/4 NPT
Size	4	
Structural design	Activated carbon filter	
Type of mounting	Alternatively: In-line installation With accessories	
Mounting position	Vertical $\pm 5^\circ$	
Air quality class at the output	Compressed air according to ISO 8573-1:2010 [3:4:1]	
Bowl guard	Plastic bowl guard	Plastic bowl guard, Integrated as metal bowl
Residual oil content	0.003 mg/m ³	

Standard nominal flow rate qnN

Pneumatic connection 1	1/8 NPT	1/4 NPT
Max. standard flow rate for air quality class	360 l/min	

Operating and ambient conditions

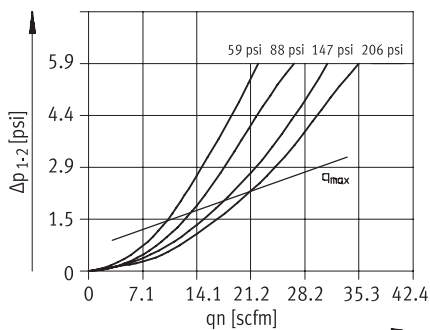
Operating pressure	0 ... 14 bar	
Operating medium	Compressed air according to ISO 8573-1:2010 [3:4:2]	
Ambient temperature	-10 ... 60°C	
Temperature of medium	5 ... 30°C	
Storage temperature	-10 ... 60°C	
Corrosion resistance class (CRC) ¹⁾	2 - Moderate corrosion stress	
UL certification	None, cULus ordinary location for Canada and USA	

1) Further information, visit www.festo.com/x/topic/kbk

Materials

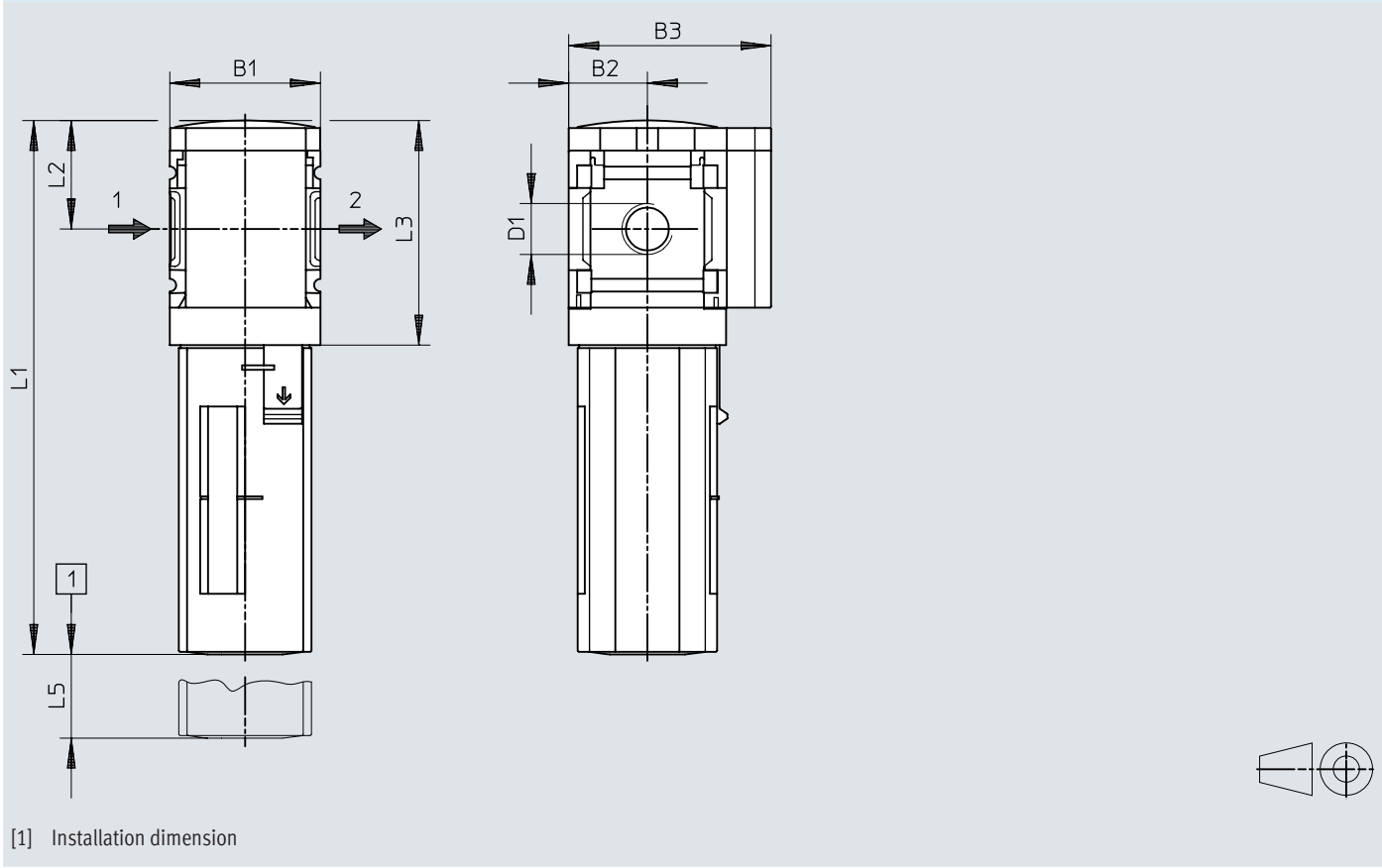
Bowl type	Plastic bowl with plastic bowl guard [R]	Aluminum [U]
Housing material	Die-cast aluminum	
Material of bowl	PC	Die-cast aluminum, Wrought aluminum alloy
Inspection window material	—	PA
Compressed air filter material	Activated carbon	
Note on materials	RoHS compliant	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	

Normal flow rate qn as a function of the differential pressure Δp_{1-2} (M4N-LFX-1/8; M4N-LFX-1/4)



Dimensions

Dimensions – Standard/application range HP Download CAD data www.festo.com

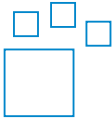


	B1	B2	B3	D1	L1		L2	L3	L5
	[inch]	[inch]	[inch]		1) [inch]	2) [inch]	[inch]	[inch]	[inch]
MS4N-LFX-1/8	1,58	0,83	2,13	1/8 NPT	5,62	6,31	1,14	2,38	3,15
MS4N-LFX-1/4				1/4 NPT					

- 1) Bowl guard, polymer
- 2) Bowl guard, metal

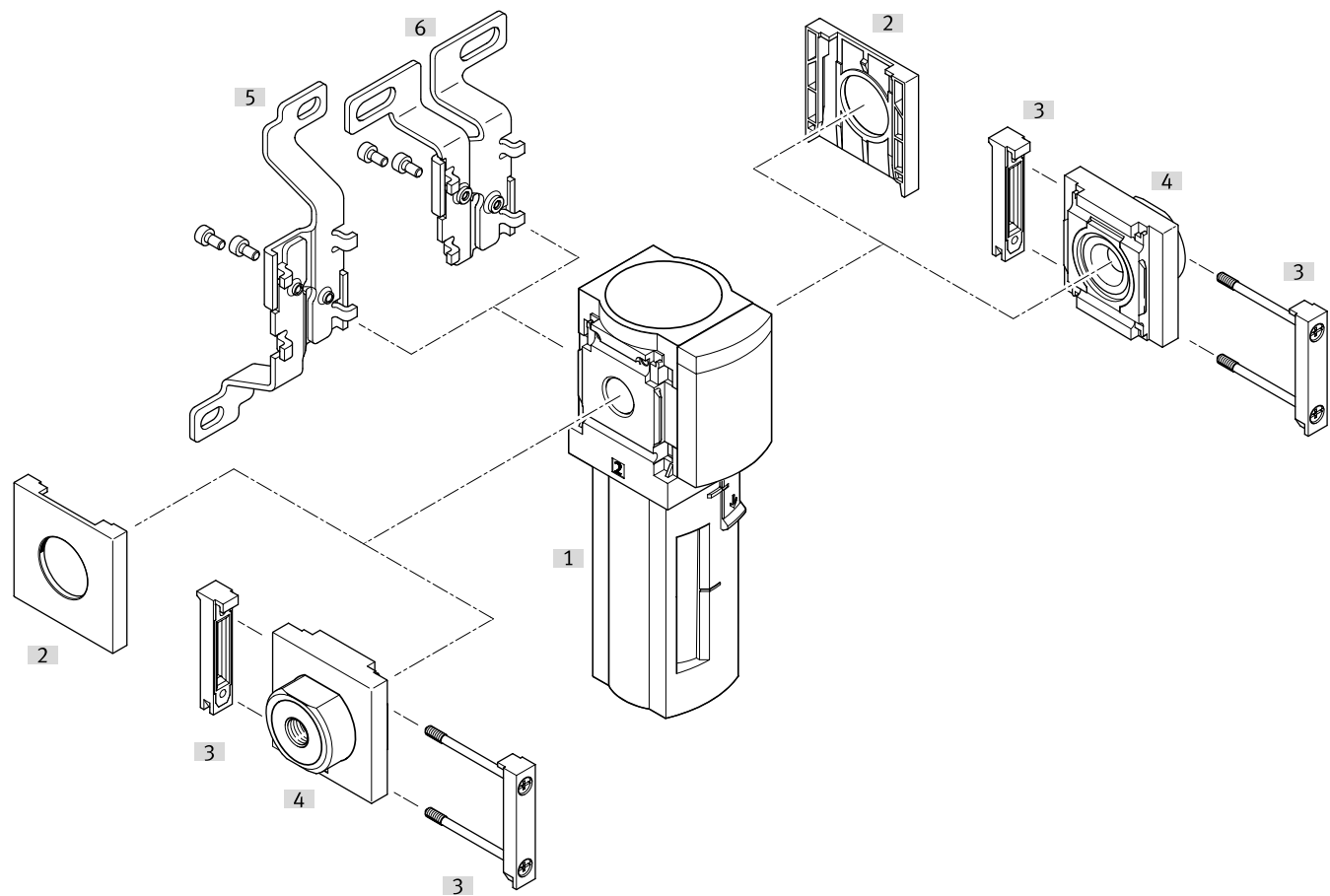
Ordering data

Ordering data				
	Pneumatic connection 1	Product weight	Part no.	Type
	1/8 NPT	190 g	536715	MS4N-LFX-1/8-R
	1/4 NPT		531764	MS4N-LFX-1/4-R
		350 g	535786	MS4N-LFX-1/4-U

Ordering data– Modular product system				
	Type code	Part no.	Type	
	MS4N-LFX	527700	MS4N-LFX	

Peripherals overview

Peripherals overview



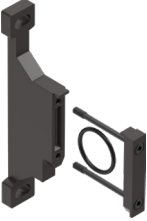
Accessories		→ Page/Internet
Type/order code	Description	
[1] Activated carbon filter MS4N-LFX		ms4n-lfx
[2] Cover cap MS4-END	for devices with sub-base	9
[3] Module connector MS4-MV	for device combinations and individual devices with sub-base	9
[4] Sub-base-SET MS4-AG	for device combinations	10
[5] Mounting bracket MS4-WB	for single device	9
[6] Mounting bracket MS4-WBM	for single device	10
[7] Mounting bracket MS4-WP/WPB/WPE/WPM	Not shown	9

Accessories

Activated carbon filter cartridge - MS-...-LFX					
	Size	Compressed air filter material	LABS (PWIS) conformity	Part no.	Type
	Mini	Activated carbon	VDMA24364-B1/B2-L	532912	MS4/D-MINI-LFX

Module connector MS4-MV1					
	Module connector material	LABS (PWIS) conformity	Product weight	Part no.	Type
	POM, high-alloy stainless steel	VDMA24364-B1/B2-L	13 g	8119201	MS4-MV1

Cover cap MS4-END				
	Housing material	LABS (PWIS) conformity	Part no.	Type
	PA-reinforced	VDMA24364-B1/B2-L	538779	MS4-END

Mounting bracket MS4-WP...					
	Bracket material	LABS (PWIS) conformity	Product weight	Part no.	Type
	Die-cast aluminum	VDMA24364-B1/B2-L		558869	MS4-WPE
			39 g	532184	MS4-WP
			45 g	526060	MS4-WPM-D
			55 g	526063	MS4-WPB
				526061	MS4-WPM-2D

Mounting bracket MS4-WB					
	Bracket material	LABS (PWIS) conformity	Product weight	Part no.	Type
	Steel	VDMA24364-B1/B2-L	46 g	532185	MS4-WB

Accessories

Mounting bracket MS4-WBM						
	Bracket material	LABS (PWIS) conformity	Product weight	Part no.	Type	
	Steel	VDMA24364-B1/B2-L	48 g	526062	MS4-WBM	

Sub-base-SET MS4-AQ...						
	Pneumatic connection 1	Material of sub-base	LABS (PWIS) conformity	Product weight	Part no.	Type
	1/8 NPT	Die-cast aluminum	VDMA24364-B1/B2-L	128 g	526065	MS4N-AQK
	1/4 NPT				526066	MS4N-AQN
	3/8 NPT				526067	MS4N-AQP