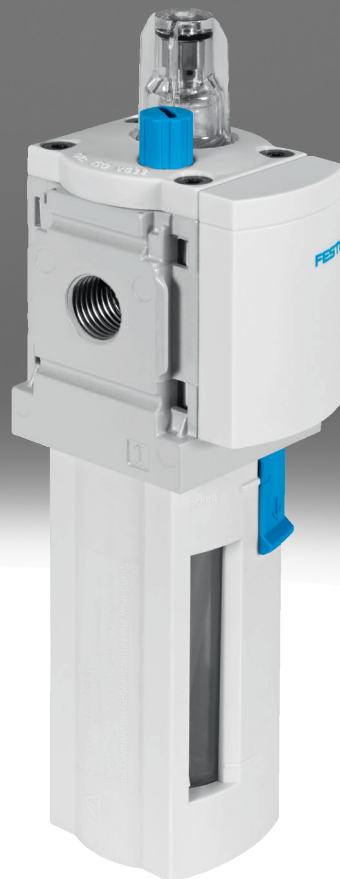


Air line lubricator MS6N-LOE

FESTO



Characteristics

At a glance

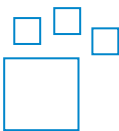
Very compact series for use close to the process directly on the machine

- Width dimension: 62 mm
- Proportional lubricator with precision oil dosing
- Reduces wear on drive units subject to high loads
- High flow rate performance
- Quick and easy oil top-up even during operation (under pressure)

The following oils are recommended for Festo devices (viscosity range according to ISO 3448, ISO class VG 32, 32 mm2/s (= cSt) at 40°C):

- Festo special oil OFSW-32 (see accessories)
- Castrol HySpin ZZ 32
- BP Energol HLP 32
- Mobile Nuto H 32
- Mobile DTE 24
- Shell Tellus S2 MA 32

Ordering data - modular system Link [ms6n-loe](#)



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

Function

The proportional lubricator supplies finely adjustable quantities of oil to the compressed air. The pressure gradient created when oil flows through a venturi nozzle is used to convey oil from a reservoir to the drip cap. From there, the oil droplet flows just behind the proportional valve into the air duct, where it is atomized. The oil mist content is proportional to the flow rate of the compressed air.

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	[WPM]	Mounting bracket for hooking in air preparation units
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[WB]	Mounting centrally at rear (wall mounting top and bottom), sub-bases not required
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- For wall mounting an individual device

Characteristics

Flow direction

Available with opposite flow direction.

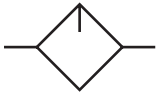
Type code

001	Series	
MS	MS series	
002	Size	
6	Width dimension 62 mm	
003	Thread type	
N	NPT thread	
004	Function	
LOE	Compressed air lubricator	
005	Pneumatic connection, inch	
1/4	Internal thread NPT 1/4	
3/8	Internal thread NPT 3/8	
1/2	Internal thread NPT 1/2	
AQN	Sub-base NPT 1/4	
AQP	Sub-base NPT 3/8	
AQR	Sub-base NPT 1/2	
AQS	Sub-base NPT 3/4	

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	
WP	Mounting bracket standard design	
WPM	Mounting bracket for hooking in air preparation units	
008	Flow direction	
	Flow direction from left to right	
Z	Flow direction from right to left	

Datasheet

General technical data



Bowl type	Plastic bowl with plastic bowl guard	Aluminum
Pneumatic connection 1	1/4 NPT, 3/8 NPT, 1/2 NPT	
Pneumatic connection 2	1/4 NPT, 3/8 NPT, 1/2 NPT	
Structural design	Proportional standard oil mist lubricator	
Type of mounting	Optionally: Line installation With accessories	
Mounting position	Vertical +/- 5°	
Minimum flow rate for lubricator function	50 l/min	
Max. oil capacity	75 cm ³	80 cm ³

Standard nominal flow rate q_{nN}

Pneumatic connection 1	1/4 NPT	3/8 NPT	1/2 NPT
Normal nominal flow rate (normalized to DIN 1343) ¹⁾	2,500 l/min	5,300 l/min	7,200 l/min

1) In main flow direction 1->2

Operating and environmental conditions

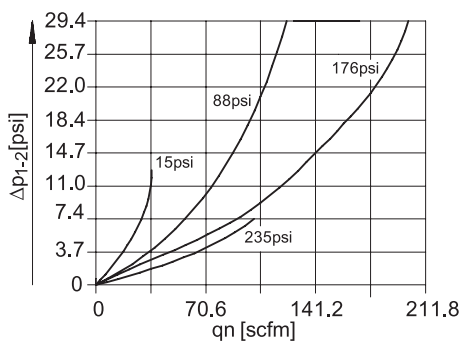
Operating pressure	1 ... 16 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gases
Information on operating and pilot media	Operation with oil lubrication possible
Ambient temperature	-10 ... 60°C
Temperature of medium	-10 ... 60°C
Storage temperature	-10 ... 60°C
Corrosion resistance class (CRC) ¹⁾	2 - Moderate corrosion stress

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

Materials

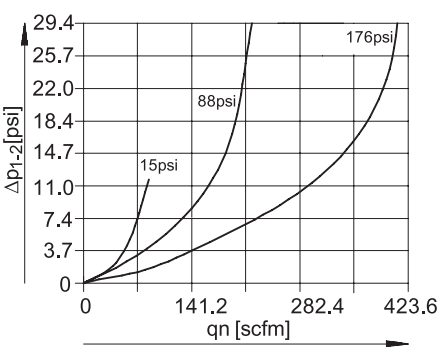
Bowl type	Plastic bowl with plastic bowl guard	Aluminum
Housing material	Die-cast aluminum	
Material of bowl	PC	Wrought aluminum alloy
Note on materials	RoHS-compliant	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	

Normal flow rate q_n as a function of the differential pressure p₁₋₂ (MS6N-LOE-1/4)

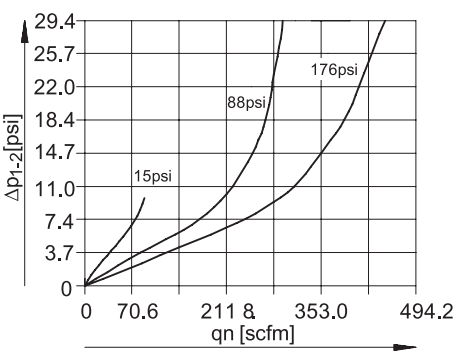


Datasheet

Normal flow rate qn as a function of the differential pressure p1-2 (MS6N-LOE-3/8)



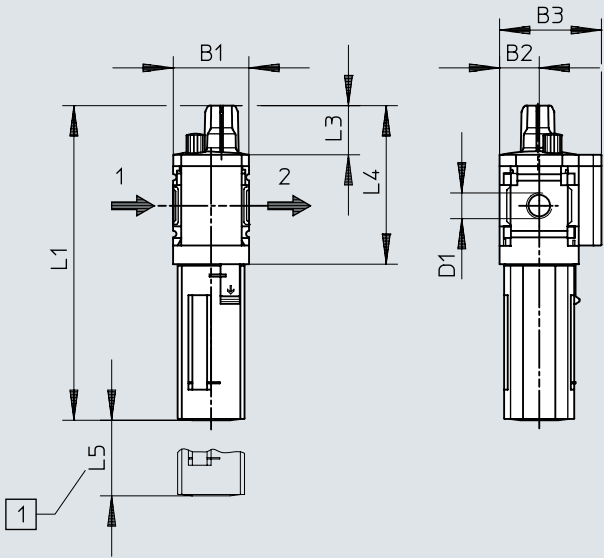
Normal flow rate qn as a function of the differential pressure p1-2 (MS6N-LOE-1/2)



Dimensions

Dimensions – Basic type

Download CAD data www.festo.com



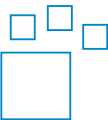
[1] Installation dimension

	B1	B2	B3	D1	¹⁾ L1	²⁾ L1	L2	L3	L4	L5
	[inch]	[inch]	[inch]		[inch]	[inch]	[inch]	[inch]	[inch]	[inch]
MS6N-LOE-1/4	2,44	1,22	2,99	1/4 NPT	8,58	8,78	2,60	1,06	4,41	5,12
MS6N-LOE-3/8				3/8 NPT						
MS6N-LOE-1/2				1/2 NPT						

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

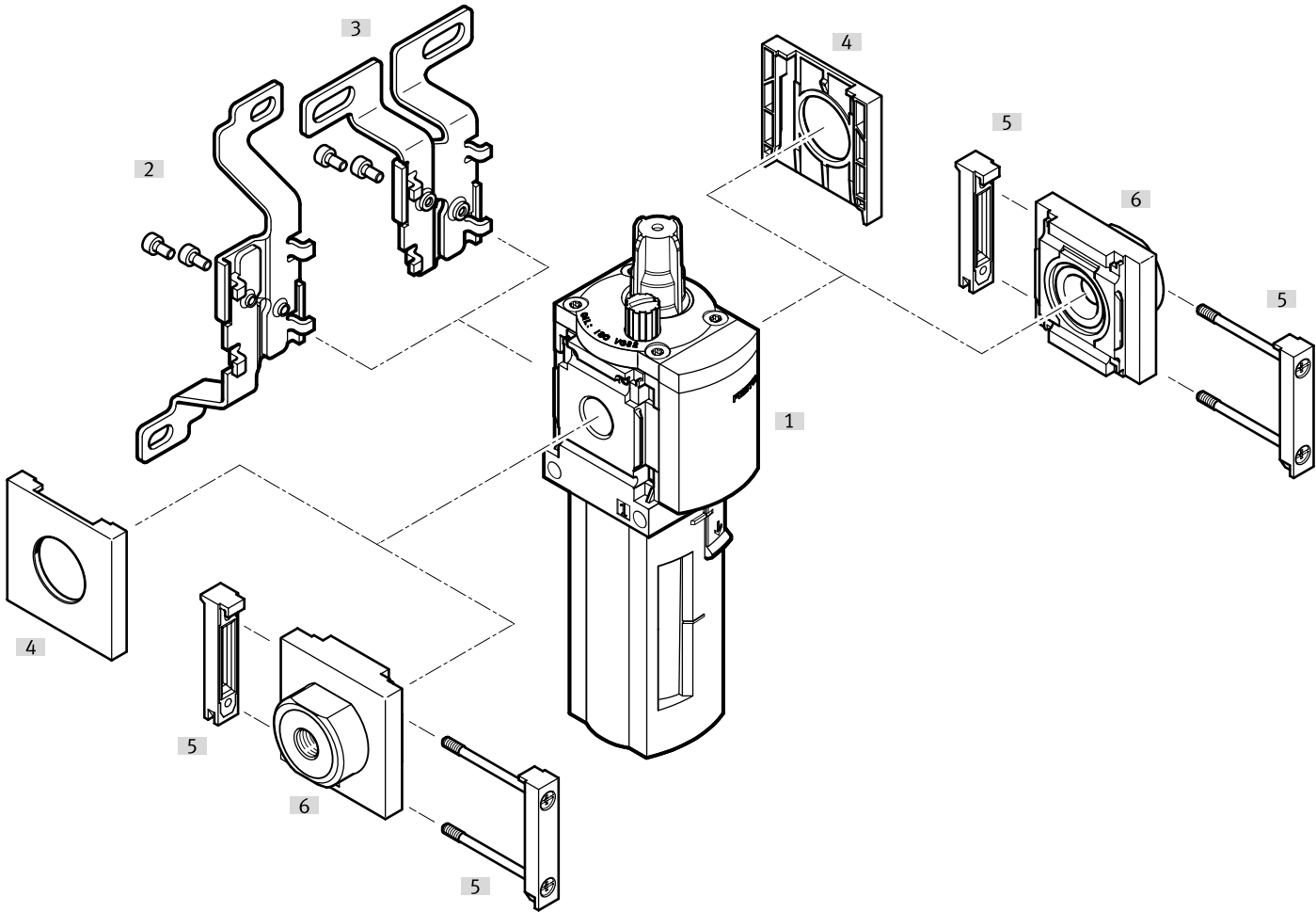
Ordering data

Ordering data						
	Pneumatic connection 1	Bowl type	Flow direction	Product weight	Part no.	Type
	1/4 NPT	Plastic bowl with plastic bowl guard	Flow direction from left to right	600 g	531710	MS6N-LOE-1/4-R
		Aluminum		810 g	531716	MS6N-LOE-1/4-U
	3/8 NPT	Plastic bowl with plastic bowl guard		600 g	531712	MS6N-LOE-3/8-R
		Aluminum		810 g	531718	MS6N-LOE-3/8-U
	1/2 NPT	Plastic bowl with plastic bowl guard		600 g	531711	MS6N-LOE-1/2-R
		Aluminum		810 g	531717	MS6N-LOE-1/2-U

Ordering data– Modular product system			
	Type code	Part no.	Type
	MS6N-LOE	527675	MS6N-LOE

Peripherals overview

Peripherals overview



Accessories		→ Page/Internet
Type/order code	Description	
[1] Lubricator MS6N-LOE		ms6n-loe
[2] Mounting bracket MS6-WB	for single device	10
[3] Mounting bracket MS4-WBM	Not available for this size	–
[4] Cover cap MS6-END	for devices without connection plate	10
[5] Module connector MS6-MV1	for appliance combinations and individual appliances with connection plate	10
[6] Sub-base-SET MS6-A...	for device combinations	11

Accessories

Module connector MS6-MV1						
	Size	Module connector material	LABS (PWIS) conformity	Product weight	Part no.	Type
	6	POM, High-alloy stainless steel	VDMA24364-B1/B2-L	33 g	8119204	MS6-MV1

Mounting bracket MS6-WP...						
	Size	Bracket material	LABS (PWIS) conformity	Product weight	Part no.	Type
	6	Die-cast aluminium	VDMA24364-B1/B2-L		1025936	MS6-WPE
				76 g	532195	MS6-WP
				115 g	526074	MS6-WPB
				144 g	526073	MS6-WPM-D
				154 g	532186	MS6-WPM-2D

Mounting bracket MS6-WB						
	Size	Bracket material	LABS (PWIS) conformity	Product weight	Part no.	Type
	6	Steel	VDMA24364-B1/B2-L	121 g	532196	MS6-WB

Cover cap MS6-END						
	Size	Housing material	LABS (PWIS) conformity	Part no.	Type	
	6	PA-reinforced	VDMA24364-B1/B2-L	538780	MS6-END	

Accessories

Sub-base-SET MS6-A...						
	Size	Pneumatic connection 1	Material of sub-base	Product weight	Part no.	Type
	6	1/4 NPT	Die-cast aluminum	300 g	526076	MS6N-AQN
		3/8 NPT			526077	MS6N-AQP
		1/2 NPT			526078	MS6N-AQR
		3/4 NPT			526079	MS6N-AQS

Special oil OFSW (1 liter)			
	Type code	Part no.	Type
	OFSW	152811	OFSW-32