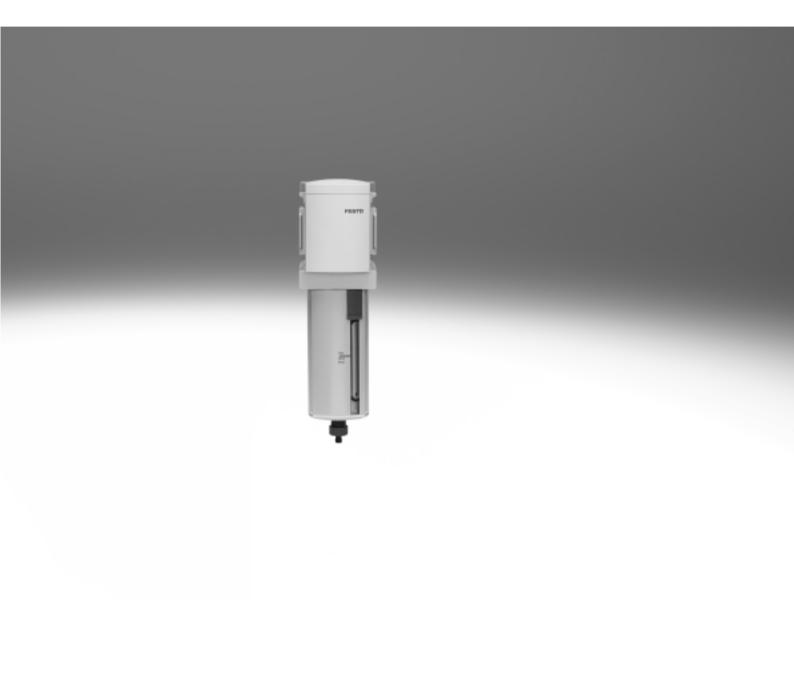
## Water separators MS-LWS, MS series, NPT

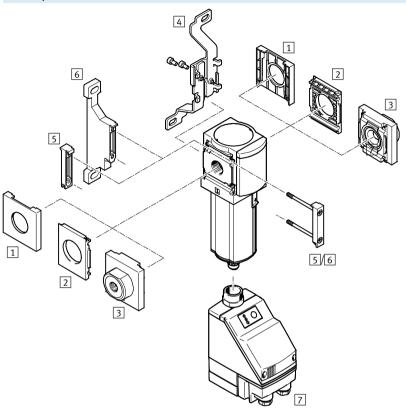
## **FESTO**



## Water separators MS6N-LWS, MS series, NPT Peripherals overview



### Water separator MS6N-LWS



Note

#### Additional accessories:

- Module connector for combination with size MS4/MS6 or size MS9 → Internet: amv, rmv, armv
- Adapter for mounting on profiles → Internet: ipm-80, ipm-40-80, ipm-80-80

Moun	ting attachments and accessories						
		Individual device		Combination	→ Page/Internet		
		Without connecting	With connecting	Without connecting			
		plate	plate	plate	plate		
1	Cover cap	•	_		_	ms6-end	
	MS6-END	-	_	-	_		
2	Mounting plate	<b>1</b> )		<b>1</b> )		ms6-aend	
	MS6-AEND	<b>-</b>	_	<b>-</b>	_		
3	Connecting plate-SET		<b>1</b> )		<b>1</b> )	ms6n-aq	
	MS6N-AQ	_	<b>=</b> 27	_	<b>=</b> -7		
4	Mounting bracket					ms6-wb	
	MS6-WB	-	-	_	_		
5	Module connector			_	_	ms6-mv	
	MS6-MV	_	-	-	•		
6	Mounting bracket	_	_	•	_	ms6-wp	
	MS6-WP	-	•	-	•		
	Mounting bracket (not illustrated)	_	_	_	_	ms6-wp	
	MS6-WPB/WPE/WPM	•	•	•	•		
7	Fully automatic, electrically actuated	_	_	_	_	8	
	condensate drain E2/E3/E4	•	•	•			

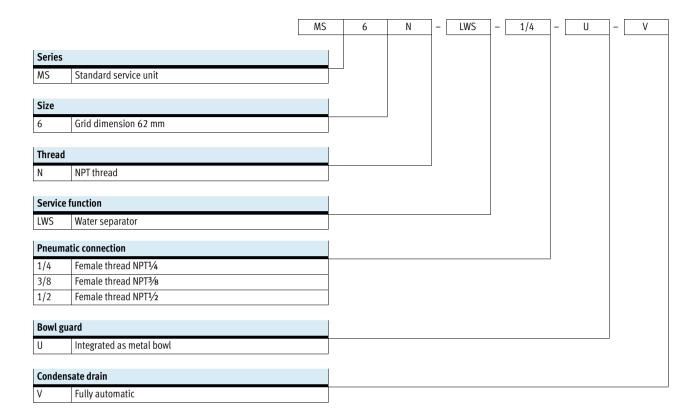
<sup>1)</sup> Module connector MS6-MV 5 or mounting bracket MS6-WP/WPB/WPE/WPM 6 is required for mounting.

### Water separators MS6N-LWS, MS series, NPT



3

Type codes



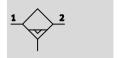
### Further variants can be ordered using the modular system → 8

- Pneumatic connection
- Condensate drain
- Type of mounting
- Flow direction

## Water separators MS6N-LWS, MS series, NPT Technical data

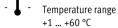
**FESTO** 

Condensate drain, fully automatic





Flow rate 2,400 ... 3,800 l/min







The maintenance-free water separator removes condensate from the compressed air.

- Constantly high condensate separation (99%) up to the maximum flow rate
- Metal bowl

• Available with fully automatic or fully automatic, electrically actuated condensate drain

General technical data									
Size	MS6								
Pneumatic connection 1, 2									
Female thread	NPT <sup>1</sup> / <sub>4</sub> , NPT <sup>3</sup> / <sub>8</sub> or NPT <sup>1</sup> / <sub>2</sub>								
Connecting plate AQ	NPT <sup>1</sup> / <sub>4</sub> , NPT <sup>3</sup> / <sub>8</sub> , NPT <sup>3</sup> / <sub>2</sub> or NPT <sup>3</sup> / <sub>4</sub>								
Constructional design	Centrifugal separator								
Type of mounting	Via accessories								
	In-line installation								
Mounting position	Vertical ±5°								
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [7:7:4] (with variant E2, E3 or E4: [-:7:4])								
Bowl guard	Integrated as metal bowl								
Condensate drain	Fully automatic								
	Fully automatic, electrically actuated								
Degree of condensate [%]	99								
separation									
Max. condensate volume [ml]	38								

Standard nominal flow rate qnN <sup>1)</sup>										
Size MS6										
Pneumatic connection		NPT¹/4	NPT3/8	NPT <sup>1</sup> / <sub>2</sub>						
qnN	[l/min]	2,400	3,500	3,800						

1) Measured at p1 = 6 bar and  $\Delta p$  = 1 bar

Operating and environment	al conditio	ns						
Condensate drain		Fully automatic	Fully automatic, electrical					
		V	E2/E3/E4					
Size		MS6	MS6					
Operating pressure	[bar]	2 12	0.8 16					
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:-:-]	Compressed air in accordance with ISO 8573-1:2010 [-:-:-]					
		Inert gases						
Ambient temperature	[°C]	+5 +60	+1 +60					
Temperature of medium	[°C]	+5 +60	+1 +60					
Storage temperature	[°C]	-10 +60	+1 +60					
Corrosion resistance class C	RC <sup>1)</sup>	2						
Food-safe <sup>2)</sup>		See supplementary material information	-					

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.

Additional information www.festo.com/sp 

Certificates.

### Water separators MS6N-LWS, MS series, NPT

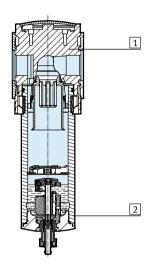


Technical data

Weight [g]	
Size	MS6
Water separator	820
Water separator with fully automatic,	1,800
electrically actuated condensate drain	
E2/E3/E4	

### Materials

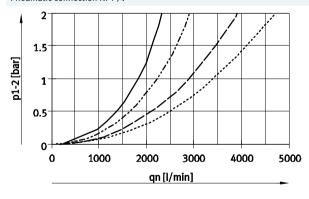
Sectional view



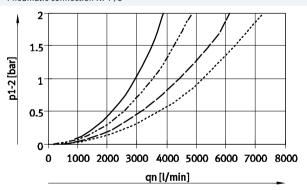
Wate	Water separator									
1	Housing	Die-cast aluminium								
2	Bowl	Wrought aluminium alloy								
	Inspection window	PA								
-	Seals	NBR								
Note	on materials	RoHS-compliant								
		Free of copper and PTFE								

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

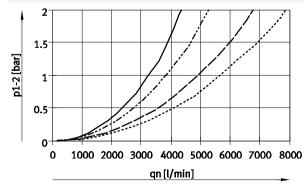
Pneumatic connection NPT1/4



### Pneumatic connection NPT3/8



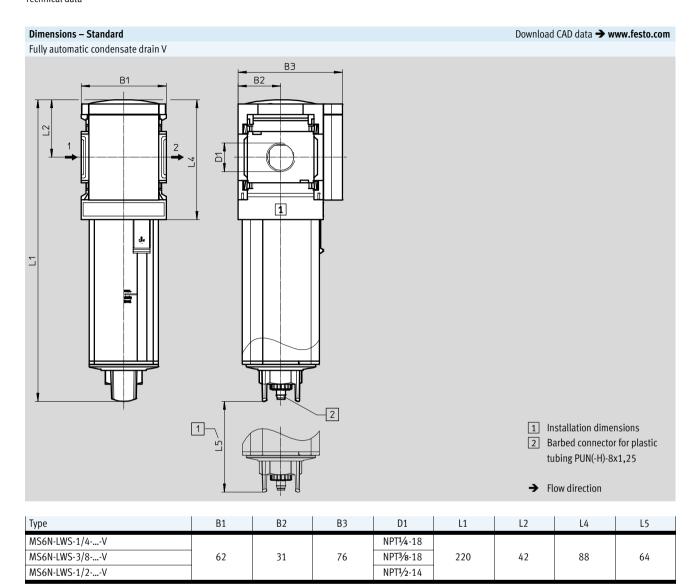
#### Pneumatic connection NPT1/2



------- 4 bar ------- 6 bar ------- 10 bar ------- 14 bar

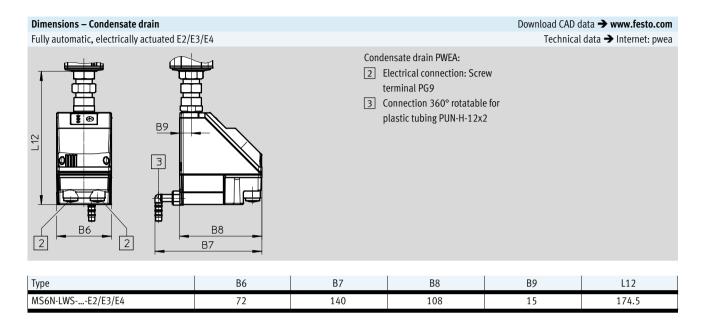
## Water separators MS6N-LWS, MS series, NPT Technical data





## Water separators MS6N-LWS, MS series, NPT Technical data





Ordering data											
Size	Condensate drain	Connection	Part No.	Туре							
Integrated as i	Integrated as metal bowl										
MS6	Fully automatic	NPT <sup>1</sup> / <sub>4</sub>	564871	MS6N-LWS-1/4-U-V							
		NPT3/8	564872	MS6N-LWS-3/8-U-V							
		NPT¹/2	564873	MS6N-LWS-1/2-U-V							

# Water separators MS6N-LWS, MS series, NPT Ordering data – Modular products



Or	dering table					
Gri	id dimension	[mm]	62	Condi- tions	Code	Enter code
M	Module No.		564898			
	Series		Standard		MS	MS
	Size		6		6	6
	Thread		NPT thread		N	N
	Function		Water separator		-LWS	-LWS
	Pneumatic conn	ection	Female thread NPT1/4		-1/4	
			Female thread NPT3/8		-3/8	
			Female thread NPT1/2		-1/2	
			Connecting plate NPT <sup>1</sup> / <sub>4</sub>		-AQN	
			Connecting plate NPT3/8		-AQP	
			Connecting plate NPT <sup>1</sup> / <sub>2</sub>		-AQR	
			Connecting plate NPT3/4		-AQS	
	Bowl guard		Metal bowl		-U	-U
	Condensate drai	in	Fully automatic (P1 max. 12 bar)		-V	
		External, fully	115 V AC, terminals (P1 max. 16 bar)		-E2	
		automatic,	230 V AC, terminals (P1 max. 16 bar)		-E3	
		electric	24 V DC, terminals (P1 max. 16 bar)		-E4	
0	Type of mounting		Mounting bracket standard design	1	-WP	
			Mounting bracket for attaching the service units	1	-WPM	
			Mounting bracket centrally at rear (wall mounting top and bottom), connecting plates not		-WB	
			required			
	Flow direction		Flow direction from right to left		-Z	

<sup>1</sup> **WP, WPM** Only with connecting plate AQN, AQP, AQR or AQS

M	Mandatory data
0	Options

Transfer	l ransfer order code															
564898		MS	6	N	] -	LWS	-		-	U	-		-		-	