



Preparation of compressed air → Maintenance units and components  
**Series AS5**

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Brochure



Preparation of compressed air → Maintenance units and components

**Series AS5**

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**Series AS5**

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## Preparation of compressed air → Maintenance units and components

### Maintenance unit, 2-part, Series AS5-ACD

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge



00119785

Maintenance Unit	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, lubricator
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Lock type	with padlock
Pressure supply	single
Installation location	vertical
Nominal flow Qn	12300 l/min
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Adjustment range min./max.	0.5 bar / 8 bar
Medium	Compressed air
Filter element	exchangeable
Filter reservoir volume	87 cm³
Condensate drain	See table below
Type of filling	Manual oil filling Semi-automatic oil filling during operation
Oil type	HLP 68 (DIN 51 524 - ISO VG 68) HLP 32 (DIN 51 524 - ISO VG 32)
Lubricator reservoir volume	181 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Polyethylene

#### Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Oil dosing at 1000 l/min [drops/min]: 1-2

	Port	Working pressure min./max.	Condensate drain	Weight	Part No.
		[bar]		[kg]	
	G 3/4	1.5 / 16	semi-automatic, open without pressure	1.827	<b>R412009298</b>
	G 1	1.5 / 16	semi-automatic, open without pressure	1.827	<b>R412009307</b>
	G 3/4	1.5 / 16	fully automatic, open without pressure	1.878	<b>R412009299</b>
	G 3/4	0 / 16	fully automatic, closed without pressure	1.878	<b>R412009300</b>
	G 1	1.5 / 16	fully automatic, open without pressure	1.878	<b>R412009308</b>
	G 1	0 / 16	fully automatic, closed without pressure	1.878	<b>R412009309</b>

Reservoir: Polycarbonate

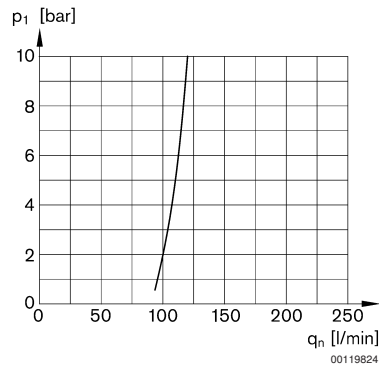
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

### Maintenance unit, 2-part, Series AS5-ACD

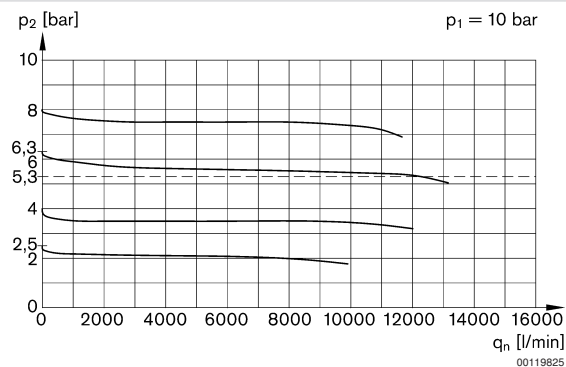
► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge

#### Lubricator activation margin



$p_1$  = operating pressure;  $q_n$  = nominal flow

#### Flow rate characteristic (setting range $p_2$ : 0.5 - 8 bar)



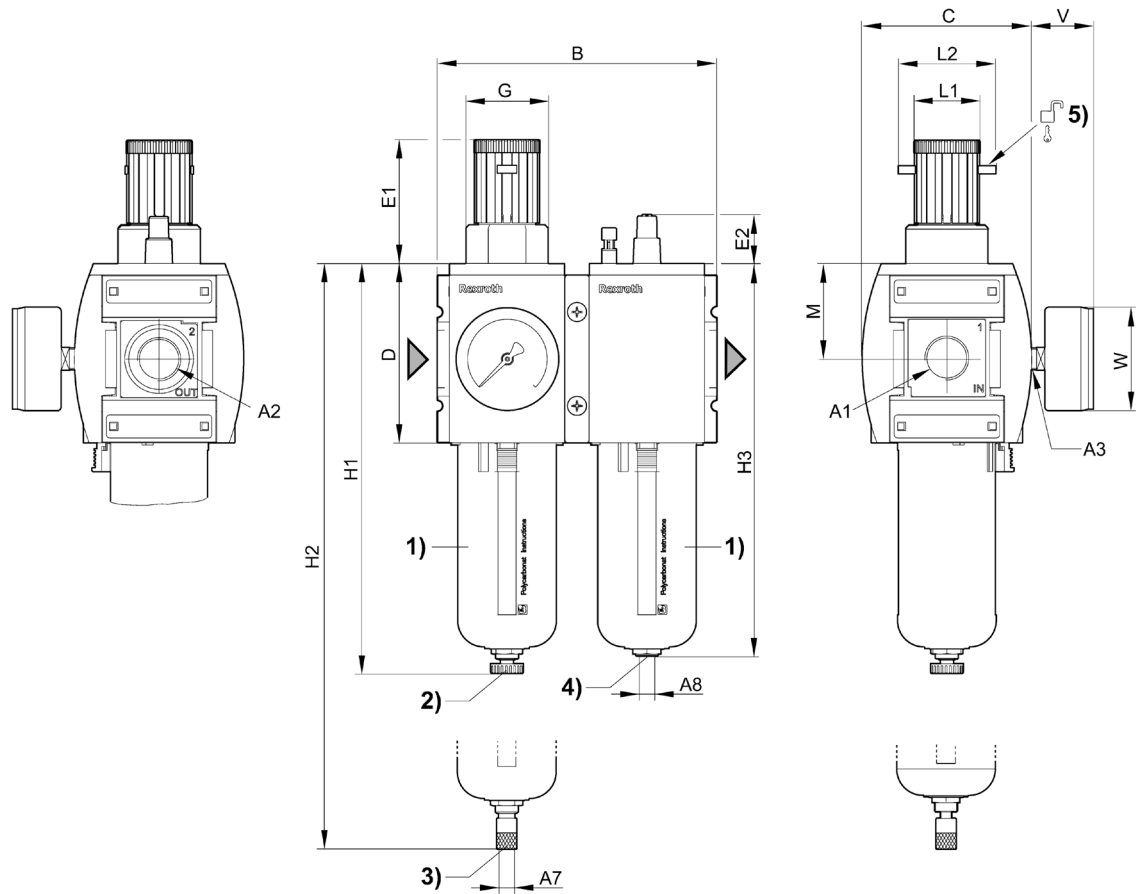
$p_1$  = working pressure;  $p_2$  = secondary pressure;  $q_n$  = nominal flow

Preparation of compressed air → Maintenance units and components

Maintenance unit, 2-part, Series AS5-ACD

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge

Dimensions



00119831

- 1) Plastic reservoir and protective guard with window
- 2) Semi-automatic condensate drain
- 3) Fully automatic condensate drain
- 4) Port for semi-automatic oil filling
- 5) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2
G 3/4	G 3/4	G 1/4	G 1/8	G 1/8	170	103	109	75	30.5	M50x1,5	250	266
G 1	G 1	G 1/4	G 1/8	G 1/8	170	103	109	75	30.5	M50x1,5	250	266

A1	H3	M	L1	L2	V	W						
G 3/4	239	58	41	60	38	63						
G 1	239	58	41	60	38	63						

## Preparation of compressed air → Maintenance units and components

**Maintenance unit, 3-part, Series AS5-ACT**

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge



00119786

Maintenance Unit	4-in-1, Can be assembled into blocks
Parts	Filter, Filter pressure regulator, lubricator
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Lock type	with padlock
Pressure supply	single
Installation location	vertical
Nominal flow Q <sub>n</sub>	12300 l/min
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Adjustment range min./max.	0.5 bar / 8 bar
Medium	Compressed air
Filter element	exchangeable
Filter reservoir volume	87 cm <sup>3</sup>
Condensate drain	See table below
Type of filling	Manual oil filling Semi-automatic oil filling during operation
Oil type	HLP 68 (DIN 51 524 - ISO VG 68) HLP 32 (DIN 51 524 - ISO VG 32)
Lubricator reservoir volume	181 cm <sup>3</sup>
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Polyethylene

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Oil dosing at 1000 l/min [drops/min]: 1-2

	Port	Working pressure min./max.	Condensate drain	Weight	Part No.
		[bar]		[kg]	
	G 3/4	0 / 16	fully automatic, closed without pressure	2.678	<b>R412009320</b>
	G 1	0 / 16	fully automatic, closed without pressure	2.678	<b>R412009329</b>
	G 3/4	1.5 / 16	semi-automatic, open without pressure	2.627	<b>R412009318</b>
	G 1	1.5 / 16	semi-automatic, open without pressure	2.627	<b>R412009327</b>
	G 3/4	1.5 / 16	fully automatic, open without pressure	2.678	<b>R412009319</b>
	G 1	1.5 / 16	fully automatic, open without pressure	2.678	<b>R412009328</b>

Reservoir: Polycarbonate

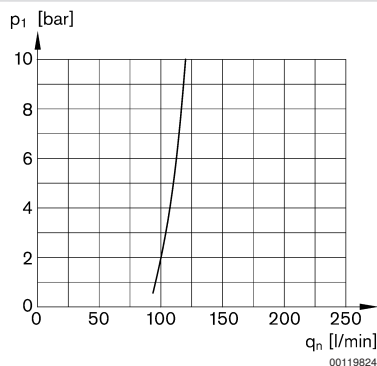
Nominal flow Q<sub>n</sub> at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

### Maintenance unit, 3-part, Series AS5-ACT

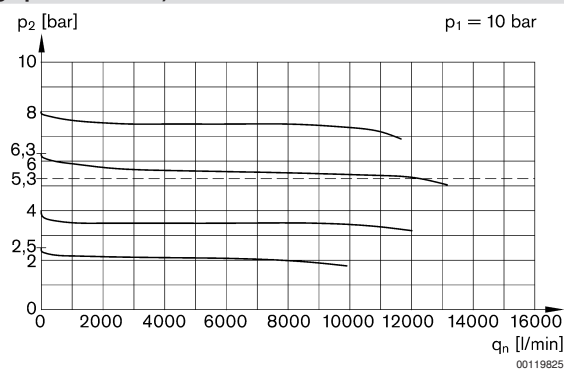
► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge

#### Lubricator activation margin



$p_1$  = operating pressure;  $q_n$  = nominal flow

#### Flow rate characteristic (setting range $p_2$ : 0.5 - 8 bar)

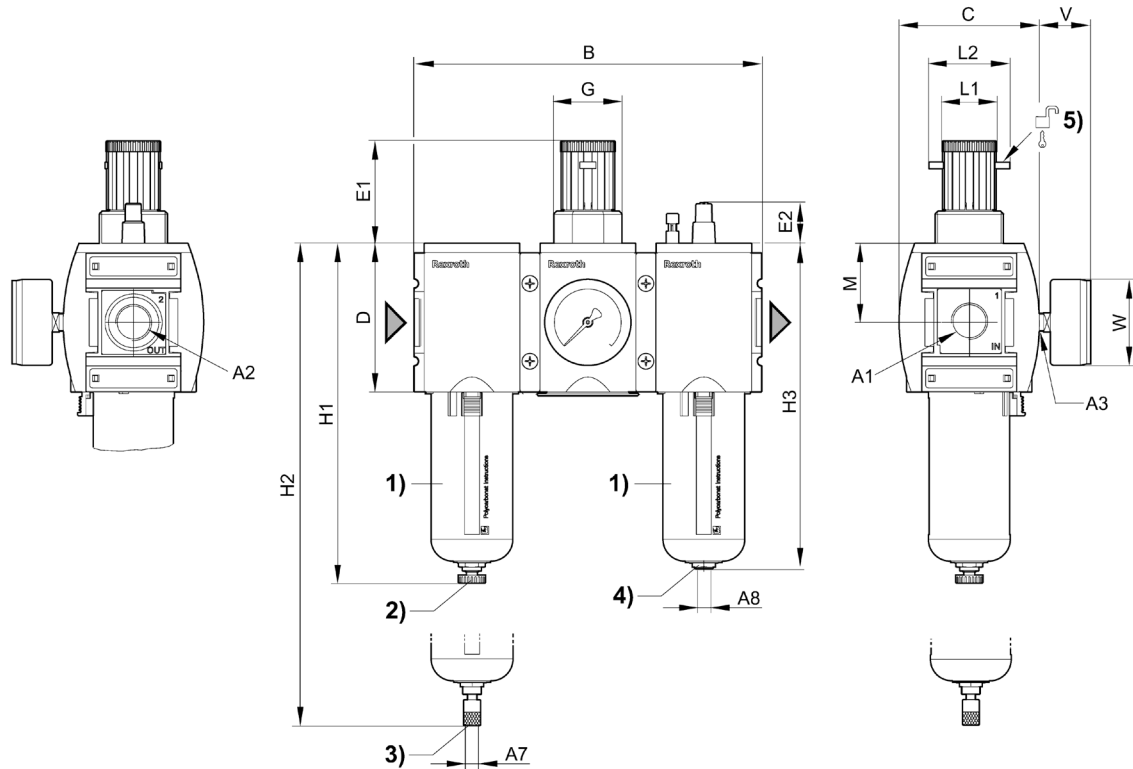


$p_1$  = working pressure;  $p_2$  = secondary pressure;  $q_n$  = nominal flow

## Preparation of compressed air → Maintenance units and components

**Maintenance unit, 3-part, Series AS5-ACT**

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable ► with pressure gauge

**Dimensions**

00119832

- 1) Plastic reservoir and protective guard with window
- 2) Semi-automatic condensate drain
- 3) Fully automatic condensate drain
- 4) Port for semi-automatic oil filling
- 5) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2
G 3/4	G 3/4	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266
G 1	G 1	G 1/4	G 1/8	G 1/8	255	103	109	75	30.5	M50x1,5	250	266
A1	H3	M	L1	L2	V	W						
G 3/4	239	58	41	60	38	63						
G 1	239	58	41	60	38	63						



**Preparation of compressed air → Maintenance units and components****Pressure regulator, Series AS5-RGS**

► G 3/4 - G 1 ► Qn = 14500 l/min ► Activation : mechanical ► lockable



00119787

Regulator type

Function

Lock type

Installation location

Pressure supply

Ambient temperature min./max.

Medium temperature min./max.

Working pressure min./max.

Adjustment range min./max.

Medium

max. Internal air consumption

Diaphragm-type pressure regulator, Can be assembled into blocks

with relieving air exhaust

with padlock

arbitrary

single

-10 °C / +50 °C

-10 °C / +50 °C

See table below

See table below

Compressed air

1.5 l/min

Materials:

Housing

Cover

Seal

Polyamide

Acrylonitrile butadiene styrene

Acrylonitrile Butadiene Rubber

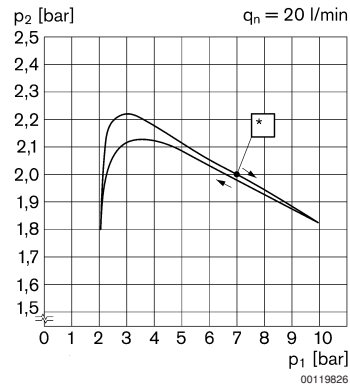
**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

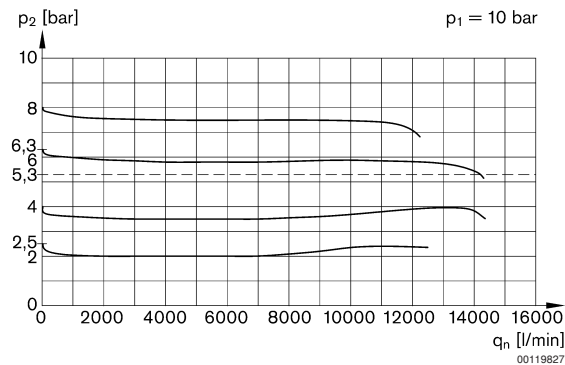
		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Part No.
			[l/min]	[bar]	[bar]	[kg]	
		G 3/4	14500	0.1 / 16	0.1 - 1	0.997	<b>R412009101</b>
		G 3/4		0.1 / 16	0.1 - 2		<b>R412009103</b>
		G 3/4		0.2 / 16	0.2 - 4		<b>R412009105</b>
		G 3/4		0.5 / 16	0.5 - 8		<b>R412009107</b>
		G 3/4		0.5 / 16	0.5 - 10		<b>R412009109</b>
		G 3/4		0.5 / 16	0.5 - 16		<b>R412009111</b>
		G 1		0.1 / 16	0.1 - 1		<b>R412009113</b>
		G 1		0.1 / 16	0.1 - 2		<b>R412009115</b>
		G 1		0.2 / 16	0.2 - 4		<b>R412009117</b>
		G 1		0.5 / 16	0.5 - 8		<b>R412009119</b>
		G 1		0.5 / 16	0.5 - 10		<b>R412009121</b>
		G 1		0.5 / 16	0.5 - 16		<b>R412009123</b>
		G 3/4	14500	0.1 / 16	0.1 - 1	0.905	<b>R412009100</b>
		G 3/4		0.1 / 16	0.1 - 2		<b>R412009102</b>
		G 3/4		0.2 / 16	0.2 - 4		<b>R412009104</b>
		G 3/4		0.5 / 16	0.5 - 8		<b>R412009106</b>
		G 3/4		0.5 / 16	0.5 - 10		<b>R412009108</b>
		G 3/4		0.5 / 16	0.5 - 16		<b>R412009110</b>
		G 1		0.1 / 16	0.1 - 1		<b>R412009112</b>
		G 1		0.1 / 16	0.1 - 2		<b>R412009114</b>
		G 1		0.2 / 16	0.2 - 4		<b>R412009116</b>
		G 1		0.5 / 16	0.5 - 8		<b>R412009118</b>
		G 1		0.5 / 16	0.5 - 10		<b>R412009120</b>
		G 1		0.5 / 16	0.5 - 16		<b>R412009122</b>

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

**Pressure regulator, Series AS5-RGS**► G 3/4 - G 1 ►  $Q_n = 14500 \text{ l/min}$  ► Activation : mechanical ► lockable**Pressure characteristics curve**

$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow  
 \* starting point

**Flow rate characteristic (setting range  $p_2$ : 0.5 - 8 bar)**

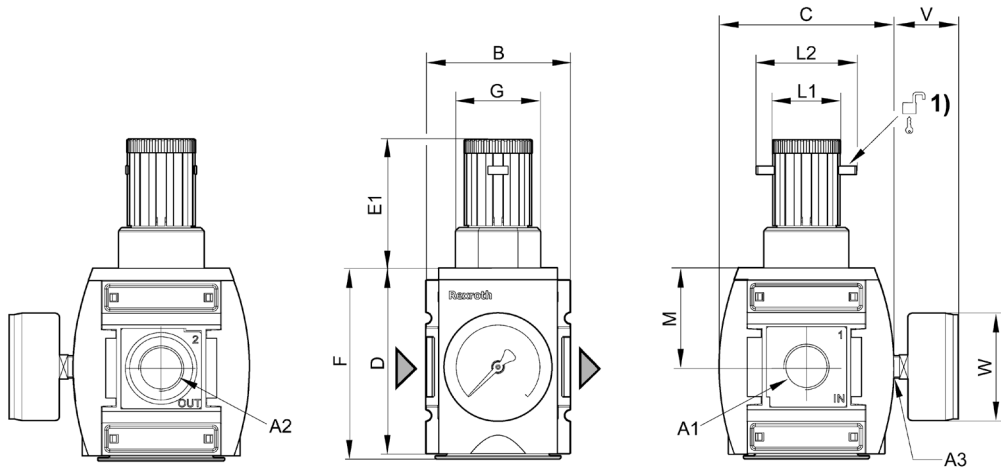
$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow

Preparation of compressed air → Maintenance units and components

Pressure regulator, Series AS5-RGS

► G 3/4 - G 1 ► Qn = 14500 l/min ► Activation : mechanical ► lockable

Dimensions



00119833

1) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	B	C	D	E1	F	G	L1	L2	M	V
G 3/4	G 3/4	G 1/4	85	103	109	75	112	M50x1,5	41	60	58	38
G 1	G 1	G 1/4	85	103	109	75	112	M50x1,5	41	60	58	38
A1	W											
G 3/4	63											
G 1	63											

## Preparation of compressed air → Maintenance units and components

**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 40 µm ► lockable



Maintenance Unit	2-in-1, Can be assembled into blocks
Parts	Filter, Pressure controller
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Lock type	with padlock
Pressure supply	single
Installation location	vertical
Nominal flow Qn	13000 l/min
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Adjustment range min./max.	0.5 bar / 10 bar
Medium	Compressed air
max. Internal air consumption	1.5 l/min
Filter element	exchangeable
Filter reservoir volume	87 cm³
Condensate drain	See table below
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Sintered bronze

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

	Port	Working pressure min./max.	Condensate drain	Weight	Part No.
		[bar]		[kg]	
	G 3/4	1.5 / 16	semi-automatic, open without pressure	0.99	<b>R412009218</b>
	G 3/4	1.5 / 16	fully automatic, open without pressure	1.041	<b>R412009219</b>
	G 3/4	0 / 16	fully automatic, closed without pressure	1.041	<b>R412009220</b>
	G 1	1.5 / 16	semi-automatic, open without pressure	0.99	<b>R412009221</b>
	G 1	1.5 / 16	fully automatic, open without pressure	1.041	<b>R412009222</b>
	G 1	0 / 16	fully automatic, closed without pressure	1.041	<b>R412009223</b>

Reservoir: Polycarbonate

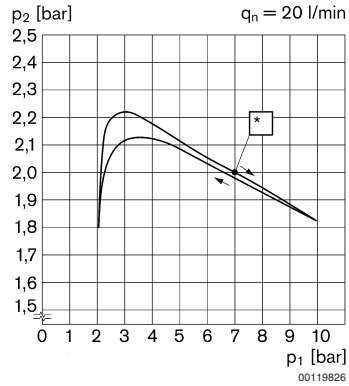
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

### Filter pressure regulator, Series AS5-FRE

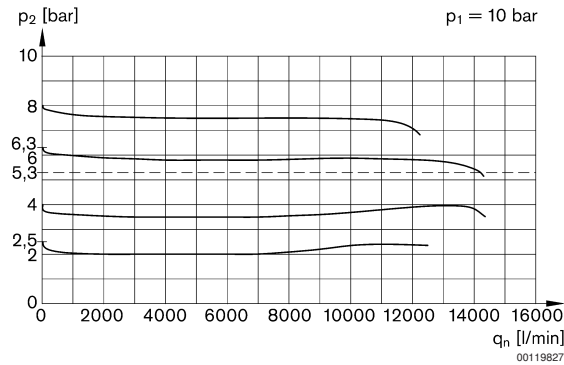
► G 3/4 - G 1 ► filter porosity: 40 µm ► lockable

#### Pressure characteristics curve



p1 = working pressure  
p2 = secondary pressure  
qn = nominal flow  
\* starting point

#### Flow rate characteristic (setting range p2: 0.5 - 8 bar)

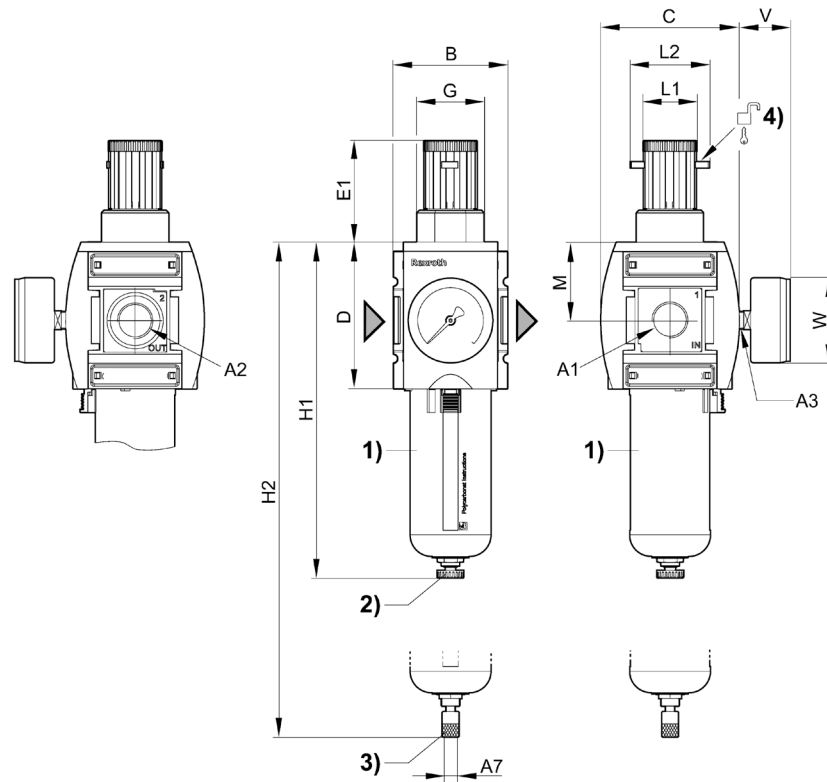


p1 = working pressure  
p2 = secondary pressure  
qn = nominal flow

## Preparation of compressed air → Maintenance units and components

**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 40 µm ► lockable

**Dimensions**

00119835

- 1) Plastic reservoir and protective guard with window  
 2) Semi-automatic condensate drain  
 3) Fully automatic condensate drain  
 4) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2
G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250	266	41	60
G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250	266	41	60
A1	M	V	W									
G 3/4	58	38	63									
G 1	58	38	63									

Preparation of compressed air → Maintenance units and components

Filter pressure regulator, Series AS5-FRE

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable



Maintenance Unit	2-in-1, Can be assembled into blocks
Parts	Filter, Pressure controller
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Lock type	with padlock
Pressure supply	single
Installation location	vertical
Nominal flow Qn	13000 l/min
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Adjustment range min./max.	See table below
Medium	Compressed air
max. Internal air consumption	1.5 l/min
Filter element	exchangeable
Filter reservoir volume	87 cm³
Condensate drain	See table below
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Filter insert	Polyethylene

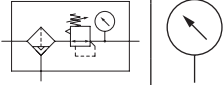
Technical Remarks
■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.



## Preparation of compressed air → Maintenance units and components

**Filter pressure regulator, Series AS5-FRE**

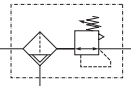
► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable

		Port	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Note	Part No.
			[bar]	[bar]			
		G 3/4	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	1); 3)	<b>R412009200</b>
		G 3/4	1.5 / 16	0.5 / 8	fully automatic, open without pressure	1); 3)	<b>R412009201</b>
		G 3/4	0 / 16	0.5 / 8	fully automatic, closed without pressure	1); 3)	<b>R412009202</b>
		G 3/4	1.5 / 16	0.5 / 10	semi-automatic, open without pressure	2)	R412009206
		G 3/4	1.5 / 16	0.5 / 10	fully automatic, open without pressure	2)	R412009207
		G 3/4	0 / 16	0.5 / 10	fully automatic, closed without pressure	2)	R412009208
		G 1	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	1); 3)	<b>R412009209</b>
		G 1	1.5 / 16	0.5 / 8	fully automatic, open without pressure	1); 3)	<b>R412009210</b>
		G 1	0 / 16	0.5 / 8	fully automatic, closed without pressure	1); 3)	<b>R412009211</b>
		G 1	1.5 / 16	0.5 / 10	semi-automatic, open without pressure	2)	R412009215
		G 1	1.5 / 16	0.5 / 10	fully automatic, open without pressure	2)	R412009216
		G 1	0 / 16	0.5 / 10	fully automatic, closed without pressure	2)	R412009217

## Preparation of compressed air → Maintenance units and components

## Filter pressure regulator, Series AS5-FRE

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable

		Port	Working pressure min./max. [bar]	Adjustment range min./max. [bar]	Condensate drain	Note	Part No.
		G 3/4	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	1); 3)	<b>R412009175</b>
		G 3/4	1.5 / 16	0.5 / 8	fully automatic, open without pressure	1); 3)	<b>R412009176</b>
		G 3/4	0 / 16	0.5 / 8	fully automatic, closed without pressure	1); 3)	<b>R412009177</b>
		G 3/4	1.5 / 16	0.5 / 10	semi-automatic, open without pressure	1); 3)	<b>R412009193</b>
		G 3/4	1.5 / 16	0.5 / 10	fully automatic, open without pressure	1); 3)	<b>R412009194</b>
		G 3/4	0 / 16	0.5 / 10	fully automatic, closed without pressure	1); 3)	<b>R412009195</b>
		G 3/4	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	2)	R412009181
		G 3/4	1.5 / 16	0.5 / 8	fully automatic, open without pressure	2)	R412009182
		G 3/4	0 / 16	0.5 / 8	fully automatic, closed without pressure	2)	R412009183
		G 1	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	1); 3)	<b>R412009184</b>
		G 1	1.5 / 16	0.5 / 8	fully automatic, open without pressure	1); 3)	<b>R412009185</b>
		G 1	0 / 16	0.5 / 8	fully automatic, closed without pressure	1); 3)	<b>R412009186</b>
		G 1	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	2)	R412009190
		G 1	1.5 / 16	0.5 / 8	fully automatic, open without pressure	2)	R412009191
		G 1	0 / 16	0.5 / 8	fully automatic, closed without pressure	2)	R412009192
		G 1	1.5 / 16	0.5 / 10	semi-automatic, open without pressure	1); 3)	<b>R412009196</b>
		G 1	1.5 / 16	0.5 / 10	fully automatic, open without pressure	1); 3)	<b>R412009197</b>
		G 1	0 / 16	0.5 / 10	fully automatic, closed without pressure	1); 3)	<b>R412009198</b>
Part No.	Weight						
	[kg]						
<b>R412009200</b>							1.082
<b>R412009201</b>							1.133
<b>R412009202</b>							1.133
R412009206							1.57
R412009207							1.62
R412009208							1.62
<b>R412009209</b>							1.082
<b>R412009210</b>							1.133
<b>R412009211</b>							1.133
R412009215							1.57
R412009216							1.62
R412009217							1.62

Nominal flow Q<sub>n</sub> at 6.3 bar and Δp = 1 bar.

- 1) Reservoir: Polycarbonate  
 2) Reservoir: Die cast zinc with window  
 3) Protective guard: Polyamide

## Preparation of compressed air → Maintenance units and components

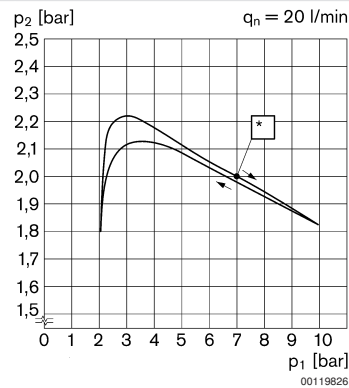
**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable

Part No.	Weight [kg]
<b>R412009175</b>	0.99
<b>R412009176</b>	1.041
<b>R412009177</b>	1.041
<b>R412009193</b>	0.99
<b>R412009194</b>	1.041
<b>R412009195</b>	1.041
R412009181	1.48
R412009182	1.53
R412009183	1.53
<b>R412009184</b>	0.99
<b>R412009185</b>	1.041
<b>R412009186</b>	1.041
R412009190	1.48
R412009191	1.53
R412009192	1.53
<b>R412009196</b>	0.99
<b>R412009197</b>	1.041
<b>R412009198</b>	1.041

Nominal flow  $Q_n$  at 6.3 bar and  $\Delta p = 1$  bar.

- 1) Reservoir: Polycarbonate
- 2) Reservoir: Die cast zinc with window
- 3) Protective guard: Polyamide

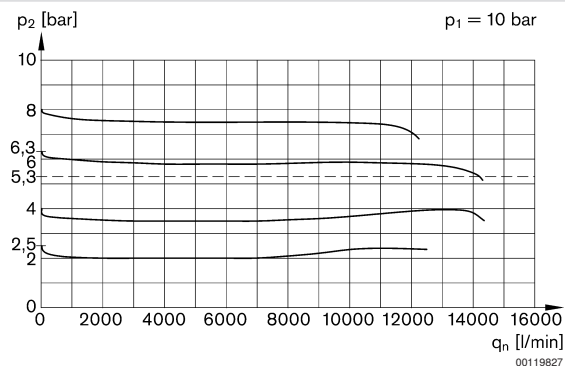
**Pressure characteristics curve**

$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow  
 \* starting point

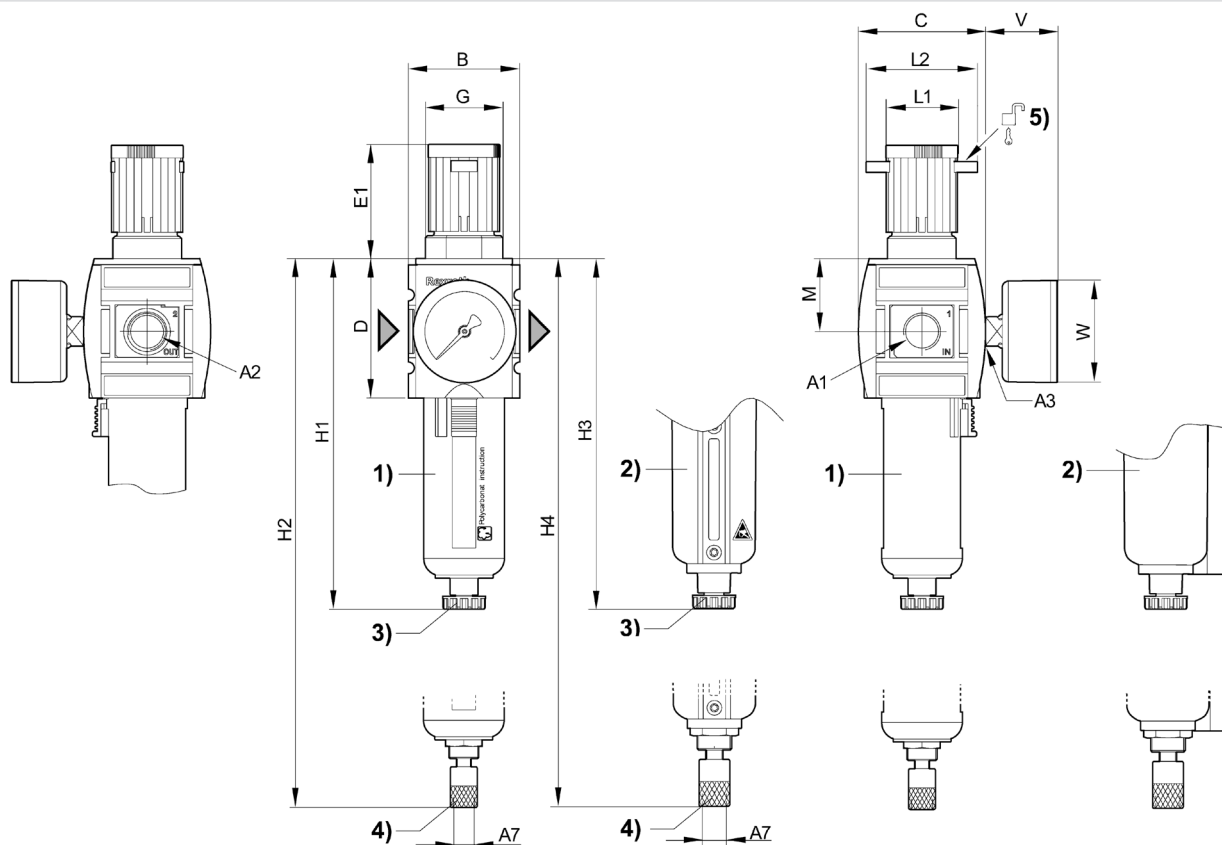
## Preparation of compressed air → Maintenance units and components

**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable

**Flow rate characteristic**

p1 = working pressure  
 p2 = secondary pressure  
 qn = nominal flow

**Dimensions**

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) Mounting option for padlocks; max. shackle Ø 8

00123324

## Preparation of compressed air → Maintenance units and components

**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 5 µm ► lockable

<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A7</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E1</b>	<b>G</b>	<b>H1</b>	<b>H2</b>	<b>H3</b>	<b>H4</b>
G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M42x1,5	189.5	206	193.5	210.5
G 1	G 1	G 1/4	G 1/8	85	103	109	75	M42x1,5	189.5	206	193.5	210.5
<b>A1</b>	<b>L1</b>	<b>L2</b>	<b>M</b>	<b>V</b>	<b>W</b>							
G 3/4	41	60	58	38	63							
G 1	41	60	58	38	63							

Preparation of compressed air → Maintenance units and components

Filter pressure regulator, Series AS5-FRE

► G 3/4 - G 1 ► filter porosity: 25 µm ► lockable



00133866

Maintenance Unit	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure controller
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Lock type	with padlock
Pressure supply	single
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
max. Internal air consumption	1.5 l/min
Filter element	exchangeable
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber
Reservoir	Die cast zinc
Protective guard	Polyamide
Filter insert	Polyethylene

Technical Remarks	
■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.	
■ solid impurities in the compressed air at the outlet as per ISO 8573-1: class 7	

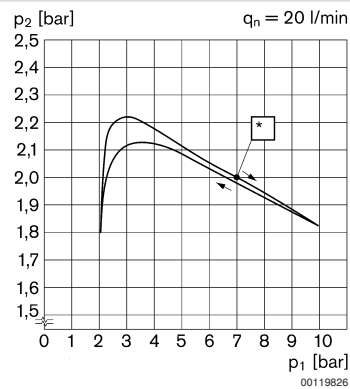
	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Note	Part No.				
		[l/min]	[bar]	[bar]							
	G 3/4	13000	1.5 / 16	0.5 / 8	semi-automatic, open without pressure	1)	R412009188				
	G 1						R412009189				
Part No.		Weight									
		[kg]									
R412009188		1.57									
R412009189											

1) Metal reservoir with level indicator  
Reservoir: Die cast zinc  
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

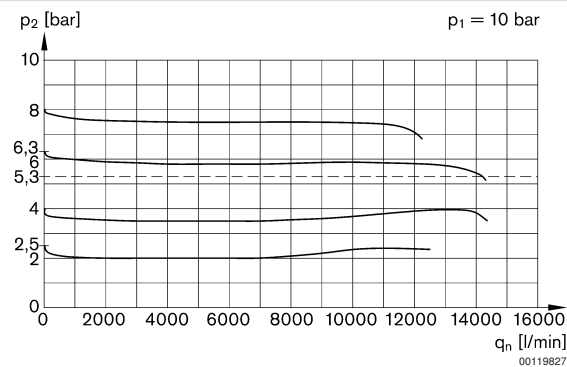
**Filter pressure regulator, Series AS5-FRE**

► G 3/4 - G 1 ► filter porosity: 25 µm ► lockable

**Pressure characteristics curve**

p1 = working pressure; p2 = secondary pressure; qn = nominal flow

\* starting point

**Flow rate characteristic**

p1 = working pressure; p2 = secondary pressure; qn = nominal flow

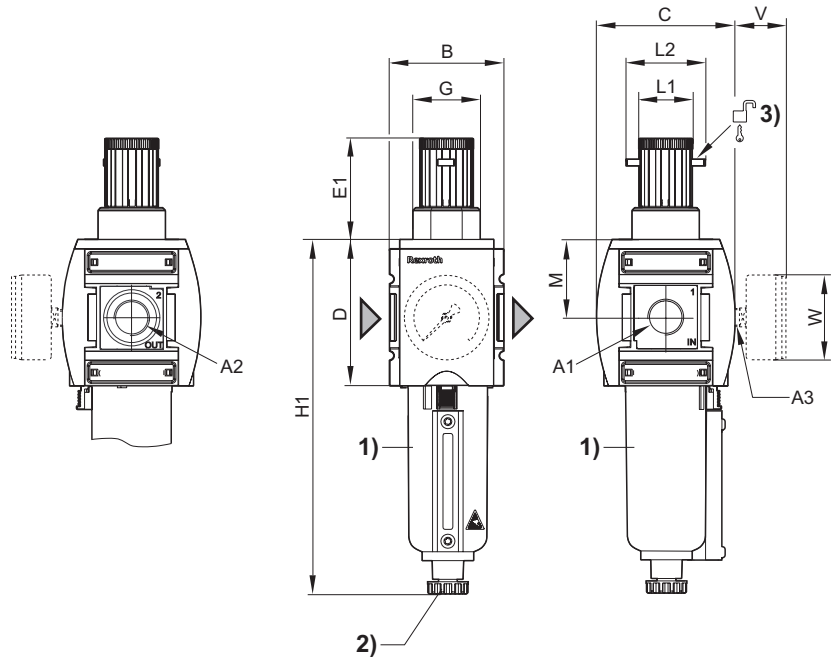


Preparation of compressed air → Maintenance units and components

Filter pressure regulator, Series AS5-FRE

▶ G 3/4 - G 1 ▶ filter porosity: 25 µm ▶ lockable

Dimensions



00127859

- 1) Metal reservoir with level indicator
- 2) Semi-automatic condensate drain
- 3) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	B	C	D	E1	G	H1	L1	L2	M	V
G 3/4	G 3/4	G 1/4	85	103	109	75	M50x1,5	250	41	60	58	38
G 1	G 3/4	G 1/4	85	103	109	75	M50x1,5	250	41	60	58	38
A1	W											
G 3/4	63											
G 1	63											

## Preparation of compressed air → Maintenance units and components

## Filter, Series AS5-FLS

► G 3/4 - G 1 ► filter porosity: 40 µm

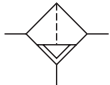


00119796

Version	Standard filter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10°C / +50°C
Medium temperature min./max.	-10°C / +50°C
Working pressure min./max.	See table below
Medium	Compressed air
Filter element	exchangeable
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber

## Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

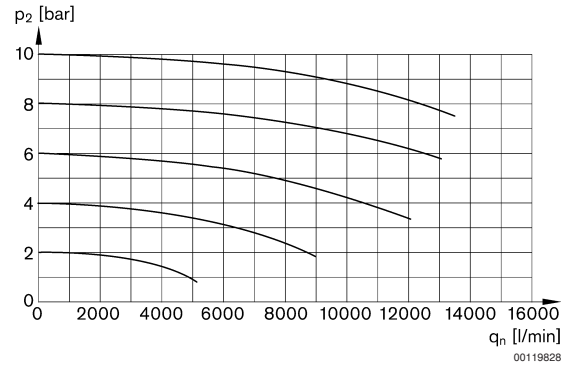
	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Part No.
		[l/min]					
	G 3/4	7800	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	<b>R412009003</b>
	G 3/4		1.5 / 16	fully automatic, open without pressure			<b>R412009004</b>
	G 3/4		0 / 16	fully automatic, closed without pressure			<b>R412009005</b>
	G 1		1.5 / 16	semi-automatic, open without pressure			<b>R412009012</b>
	G 1		1.5 / 16	fully automatic, open without pressure			<b>R412009013</b>
	G 1		0 / 16	fully automatic, closed without pressure			<b>R412009014</b>
Part No.	filter porosity				Weight		
					[kg]		
<b>R412009003</b>	40				0.718		
<b>R412009004</b>					0.769		
<b>R412009005</b>					0.769		
<b>R412009012</b>					0.718		
<b>R412009013</b>					0.769		
<b>R412009014</b>					0.769		

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

Preparation of compressed air → Maintenance units and components

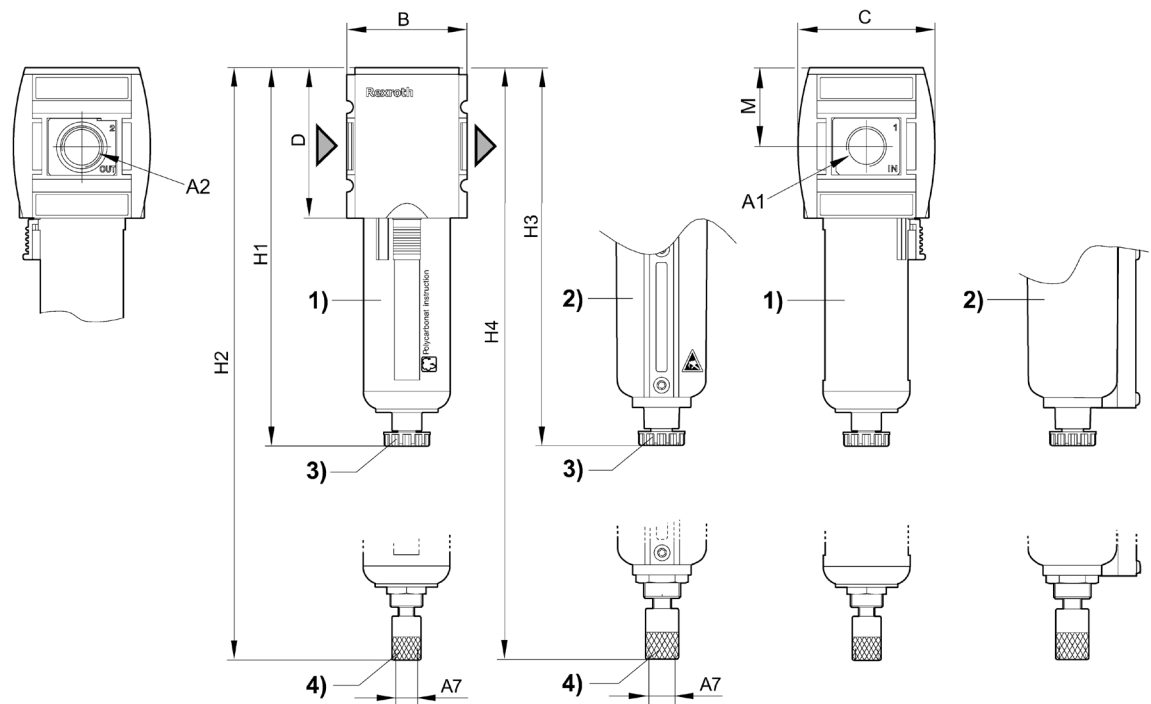
Filter, Series AS5-FLS  
► G 3/4 - G 1 ► filter porosity: 40 µm

Flow rate characteristic



p2 = secondary pressure; qn = nominal flow

Dimensions



- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Part No.	A1	A2	A7	B	C	D	H1	H2	H3	H4	M	
<b>R412009003</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58	
<b>R412009004</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58	
<b>R412009005</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58	
<b>R412009012</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58	
<b>R412009013</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58	
<b>R412009014</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58	

## Preparation of compressed air → Maintenance units and components

## Filter, Series AS5-FLS

► G 3/4 - G 1 ► filter porosity: 5 µm



00119796

## Version

Standard filter, Can be assembled into blocks

## Installation location

vertical

## Ambient temperature min./max.

-10°C / +50°C

## Medium temperature min./max.

-10°C / +50°C

## Working pressure min./max.

See table below

## Medium

Compressed air

## Filter element

exchangeable

## Filter reservoir volume

87 cm³

## Materials:

## Housing

Polyamide

## Threaded bushing

Die cast zinc

## Cover

Acrylonitrile butadiene styrene

## Seals

Acrylonitrile Butadiene Rubber

## Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Part No.
		[l/min]					
	G 3/4	7800	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	<b>R412009000</b>
	G 3/4		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	<b>R412009001</b>
	G 3/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	<b>R412009002</b>
	G 3/4		1.5 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	R412009006
	G 3/4		1.5 / 16	fully automatic, open without pressure	Die cast zinc with window	-	R412009007
	G 3/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	R412009008
	G 1		1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	<b>R412009009</b>
	G 1		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	<b>R412009010</b>
	G 1		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	<b>R412009011</b>
	G 1		1.5 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	R412009015
	G 1		1.5 / 16	fully automatic, open without pressure	Die cast zinc with window	-	R412009016
	G 1		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	R412009017

Preparation of compressed air → Maintenance units and components

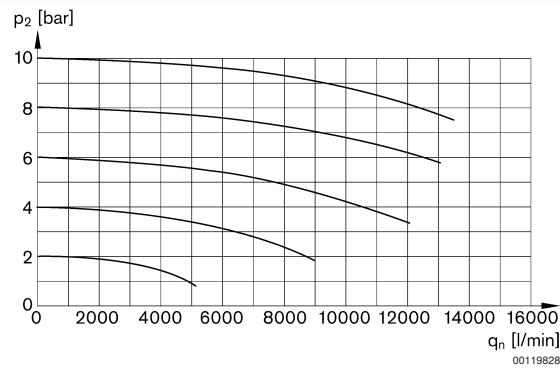
Filter, Series AS5-FLS

► G 3/4 - G 1 ► filter porosity: 5 µm

Part No.	filter porosity	Weight
		[kg]
<b>R412009000</b>	5	0.718
<b>R412009001</b>		0.769
<b>R412009002</b>		0.769
R412009006		1.21
R412009007		1.26
R412009008		1.26
<b>R412009009</b>		0.718
<b>R412009010</b>		0.769
<b>R412009011</b>		0.769
R412009015		1.21
R412009016		1.26
R412009017		1.26

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

Flow rate characteristic

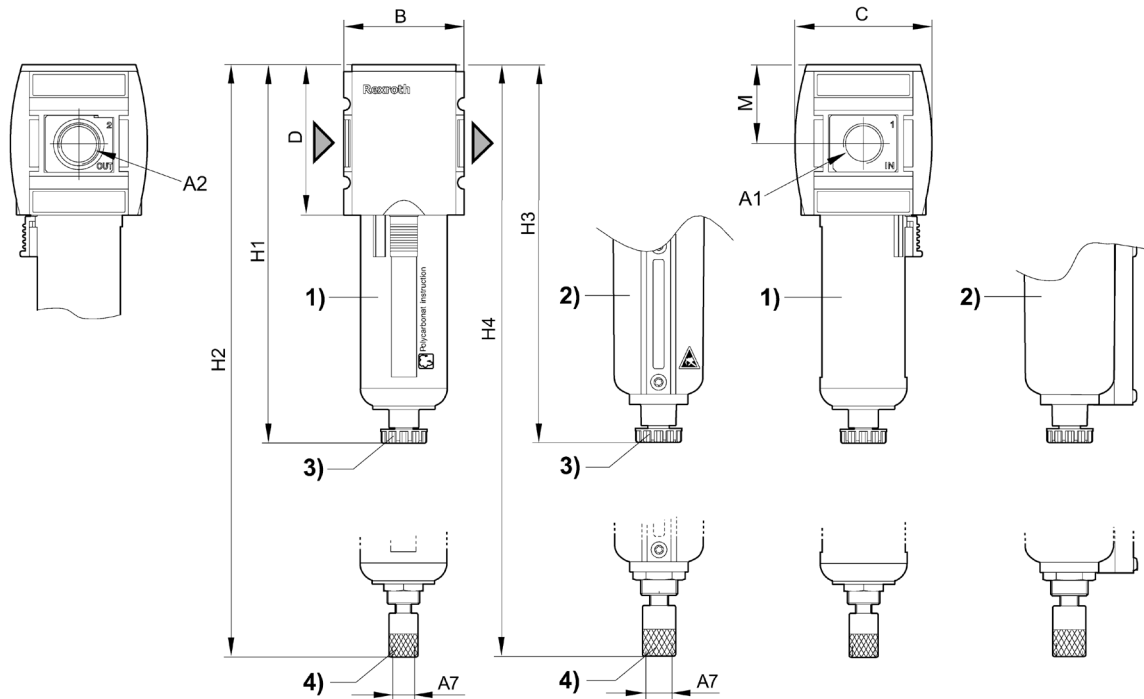


p2 = secondary pressure; qn = nominal flow

## Preparation of compressed air → Maintenance units and components

**Filter, Series AS5-FLS**

► G 3/4 - G 1 ► filter porosity: 5 µm

**Dimensions**

00123325

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Part No.	A1	A2	A7	B	C	D	H1	H2	H3	H4	M
<b>R412009000</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
<b>R412009001</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
<b>R412009002</b>	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
R412009006	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
R412009007	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
R412009008	G 3/4	G 3/4	G 1/8	85	103	109	250	266	254	270.5	58
<b>R412009009</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58
<b>R412009010</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58
<b>R412009011</b>	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58
R412009015	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58
R412009016	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58
R412009017	G 1	G 1	G 1/8	85	103	109	250	266	254	270.5	58

Preparation of compressed air → Maintenance units and components

Filters, Series AS5-FLS

► G 3/4 - G 1 ► filter porosity: 25 µm



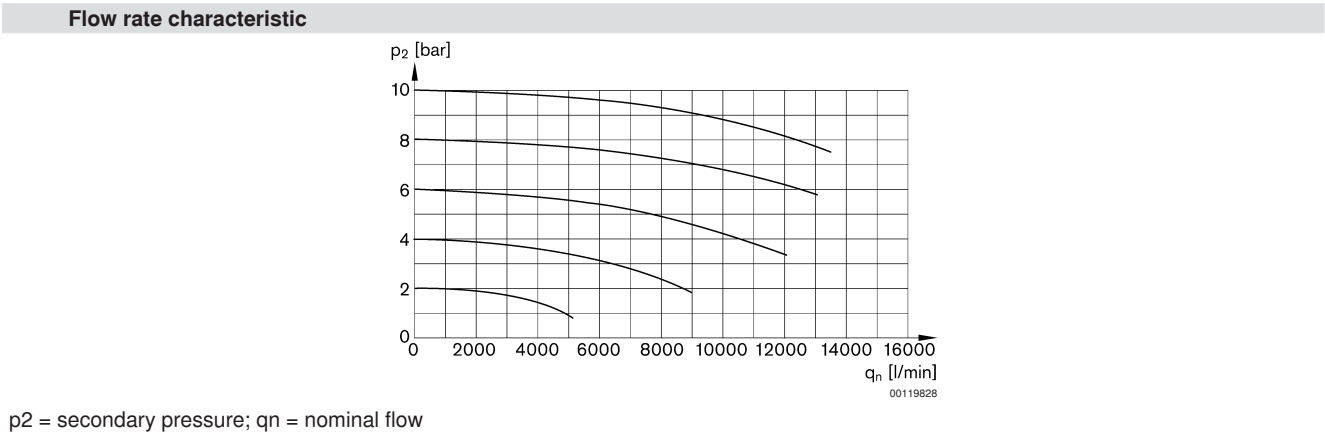
00133768

Version	Standard filter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Filter element	exchangeable
filter porosity	25 µm
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Filter insert	Polyethylene

Technical Remarks
<div> <div>■</div> <div>The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.</div> </div> <div> <div>■</div> <div>max. particle count as per ISO 8573-4 at the outlet: 10 mg/m³</div> </div>

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Note	Weight	Part No.
		[l/min]					[kg]	
	G 3/4	7800	1.5 / 16	semi-automatic, open without pressure	Die cast zinc	1)	1.21	R412009089
	G 1						1.26	R412009090

1) Metal reservoir with inspection glass  
 Nominal flow with secondary pressure 6,3 bar at Δp = 1 bar



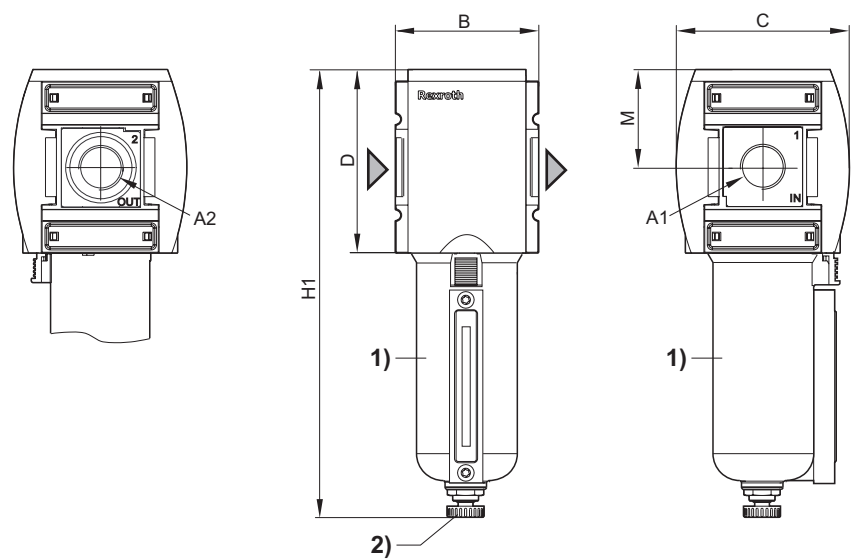


Preparation of compressed air → Maintenance units and components

Filters, Series AS5-FLS

► G 3/4 - G 1 ► filter porosity: 25 µm

Dimensions



00127860

- 1) Metal reservoir with level indicator
- 2) Semi-automatic condensate drain

Part No.	A1	A2	B	C	D	H1	M					
R412009089	G 3/4	G 3/4	85	103	109	250	58					
R412009090	G 1	G 1	85	103	109	250	58					

Preparation of compressed air → Maintenance units and components

Pre-filter, Series AS5-FLP

► G 3/4 - G 1 ► filter porosity: 0.3 µm ► contamination display: integrated



Version	Pre-filter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Medium	Compressed air
Filter element	exchangeable
filter porosity	0.3 µm
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Reservoir	Polycarbonate
Protective guard	Polyamide

Technical Remarks	
■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.	
■ Recommended pre-filtering: 5 µm	
■ max. residual oil content at the outlet: 1 mg/m³	
■ max. particle count as per ISO 8573-4 at the outlet: 100000 1/m³	
■ solid impurities in the compressed air at the outlet as per ISO 8573-1: class 2	

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Weight	Part No.
		[l/min]				[kg]	
	G 3/4	2200	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	0.361	R412009021
	G 3/4		1.5 / 16	fully automatic, open without pressure		0.41	R412009022
	G 3/4		0 / 16	fully automatic, closed without pressure		0.41	R412009023
	G 1		1.5 / 16	semi-automatic, open without pressure		0.361	R412009030
	G 1		1.5 / 16	fully automatic, open without pressure		0.41	R412009031
	G 1		0 / 16	fully automatic, closed without pressure		0.762	R412009032

Nominal flow Qn at 6.3 bar and Δp = 0.1 bar.



**Preparation of compressed air → Maintenance units and components**
**Pre-filter, Series AS5-FLP**

► G 3/4 - G 1 ► filter porosity: 0.3 µm ► contamination display: integrated

Part No.	A1	A2	A7	B	C	D	E1	H1	H2	M		
R412009031	G 1	G 1	G 1/8	85	103	109	23.7	250	266	58		
R412009032	G 1	G 1	G 1/8	85	103	109	23.7	250	266	58		

## Preparation of compressed air → Maintenance units and components

## Pre-filter, Series AS5-FLP

► G 3/4 - G 1 ► filter porosity: 0.3 µm



00127785

Version	Pre-filter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Medium	Compressed air
Filter element	exchangeable
filter porosity	0.3 µm
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Filter insert	Impregnated paper

## Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filtering: 5 µm
- max. residual oil content at the outlet: 1 mg/m³
- max. particle count as per ISO 8573-4 at the outlet: 100000 1/m³
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 2

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Note	Part No.
		[l/min]						
	G 3/4	2200	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009018</b>
	G 3/4		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009019</b>
	G 3/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	-	<b>R412009020</b>
	G 3/4		1.5 / 16	semi-automatic, open without pressure	Die cast zinc	-	1)	R412009024
	G 3/4		1.5 / 16	fully automatic, open without pressure	Die cast zinc	-	1)	R412009025
	G 3/4		0 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009026
	G 1		1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009027</b>
	G 1		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009028</b>
	G 1		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	-	<b>R412009029</b>
	G 1		1.5 / 16	semi-automatic, open without pressure	Die cast zinc	-	1)	R412009033
	G 1		1.5 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009034
	G 1		0 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009035

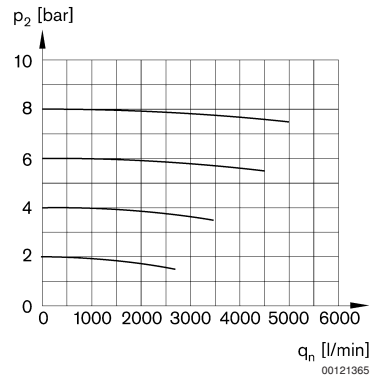
Preparation of compressed air → Maintenance units and components

Pre-filter, Series AS5-FLP  
► G 3/4 - G 1 ► filter porosity: 0.3 µm

Part No.	Weight
	[kg]
<b>R412009018</b>	0.71
<b>R412009019</b>	0.76
<b>R412009020</b>	0.76
R412009024	1.21
R412009025	1.26
R412009026	1.26
<b>R412009027</b>	0.71
<b>R412009028</b>	0.76
<b>R412009029</b>	0.76
R412009033	1.21
R412009034	1.26
R412009035	1.26

1) Metal reservoir with level indicator  
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

Flow rate characteristic



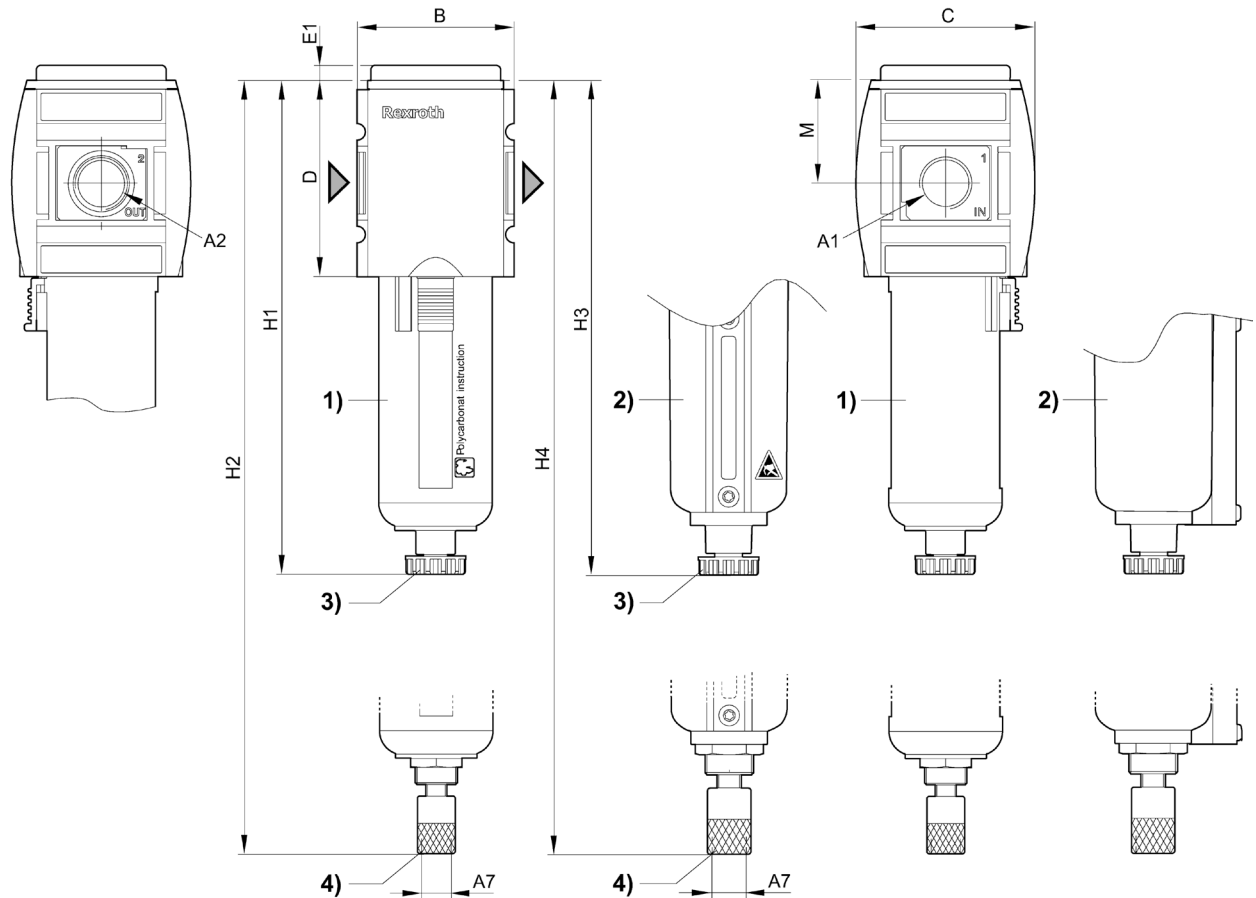
p2 = secondary pressure; qn = nominal flow

## Preparation of compressed air → Maintenance units and components

## Pre-filter, Series AS5-FLP

► G 3/4 - G 1 ► filter porosity: 0.3 µm

## Dimensions



00123326

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Part No.	A1	A2	A7	B	C	D	E1	H1	H2	H3	H4	M
<b>R412009018</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
<b>R412009019</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
<b>R412009020</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009024	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009025	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009026	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270.5	58
<b>R412009027</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58
<b>R412009028</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58
<b>R412009029</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009033	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009034	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58
R412009035	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270.5	58

## Preparation of compressed air → Maintenance units and components

## Microfilter, Series AS5-FLC

► G 3/4 - G 1 ► filter porosity: 0.01 µm ► contamination display: integrated



00119623

Version	Microfilter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Medium	Compressed air
Filter element	exchangeable
filter porosity	0.01 µm
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Filter insert	Borosilicate glass fiber

## Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filtering: 0.3 µm
- max. residual oil content at the outlet: 0.01 mg/m³
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 1

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Weight	Part No.
		[l/min]					[kg]	
	G 3/4	1600	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.361	R412009054
	G 3/4		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.41	R412009055
	G 3/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.41	R412009056
	G 3/4		1.5 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	1.546	R412009060
	G 3/4		1.5 / 16	fully automatic, open without pressure	Die cast zinc with window	-	1.575	R412009061
	G 3/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	1.568	R412009062
	G 1		1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.361	R412009063
	G 1		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.41	<b>R412009064</b>
	G 1		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.762	R412009065
	G 1		0 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	1.477	R412009069
	G 1		1.5 / 16	fully automatic, open without pressure	Die cast zinc with window	-	1.504	R412009070
	G 1		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	1.501	R412009071

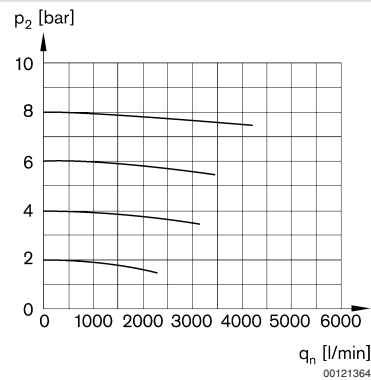
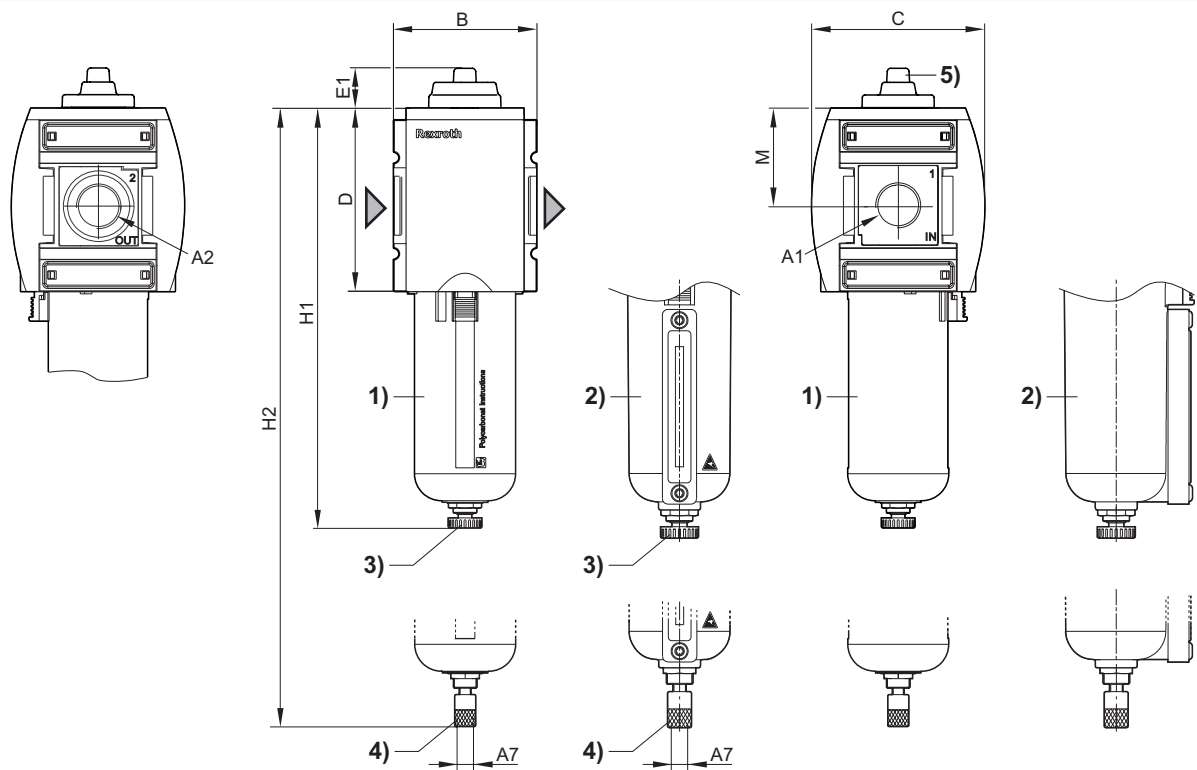
Nominal flow Qn at 6.3 bar and Δp = 0.1 bar.



## Preparation of compressed air → Maintenance units and components

**Microfilter, Series AS5-FLC**

► G 3/4 - G 1 ► filter porosity: 0.01 µm ► contamination display: integrated

**Flow rate characteristic**p<sub>2</sub> = secondary pressure; q<sub>n</sub> = nominal flow**Dimensions**

00133991

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with level indicator
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) contamination display

Part No.	A1	A2	A7	B	C	D	E1	H1	H2	M		
R412009054	G 3/4	G 3/4	G 1/8	85	103	109	23.7	250	--	58		
R412009055	G 3/4	G 3/4	--	85	103	109	23.7	--	266	58		
R412009056	G 3/4	G 3/4	--	85	103	109	23.7	--	266	58		

## Preparation of compressed air → Maintenance units and components

**Microfilter, Series AS5-FLC**

► G 3/4 - G 1 ► filter porosity: 0.01 µm ► contamination display: integrated

Part No.	A1	A2	A7	B	C	D	E1	H1	H2	M		
R412009060	G 3/4	G 3/4	G 1/8	85	103	109	23.7	250	--	58		
R412009061	G 3/4	G 3/4	--	85	103	109	23.7	--	266	58		
R412009062	G 3/4	G 3/4	--	85	103	109	23.7	--	266	58		
R412009063	G 1	G 1	G 1/8	85	103	109	23.7	250	--	58		
<b>R412009064</b>	G 1	G 1	--	85	103	109	23.7	--	266	58		
R412009065	G 1	G 1	--	85	103	109	23.7	--	266	58		
R412009069	G 1	G 1	G 1/8	85	103	109	23.7	250	--	58		
R412009070	G 1	G 1	--	85	103	109	23.7	--	266	58		
R412009071	G 1	G 1	--	85	103	109	23.7	--	266	58		

## Preparation of compressed air → Maintenance units and components

**Microfilter, Series AS5-FLC**

► G 3/4 - G 1 ► filter porosity: 0.01 µm



00127784

Version	Microfilter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	See table below
Medium	Compressed air
Filter element	exchangeable
filter porosity	0.01 µm
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Filter insert	Borosilicate glass fiber

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filtering: 0.3 µm
- max. residual oil content at the outlet: 0.01 mg/m³
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 1

	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Note	Part No.
		[l/min]						
	G 3/4	1600	1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009036</b>
	G 3/4		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009037</b>
	G 3/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	-	<b>R412009038</b>
	G 3/4		1.5 / 16	semi-automatic, open without pressure	Die cast zinc	-	1)	R412009042
	G 3/4		1.5 / 16	fully automatic, open without pressure	Die cast zinc	-	1)	R412009043
	G 3/4		0 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009044
	G 1		1.5 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009045</b>
	G 1		1.5 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	-	<b>R412009046</b>
	G 1		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	-	<b>R412009047</b>
	G 1		1.5 / 16	semi-automatic, open without pressure	Die cast zinc	-	1)	R412009051
	G 1		1.5 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009052
	G 1		0 / 16	fully automatic, closed without pressure	Die cast zinc	-	1)	R412009053

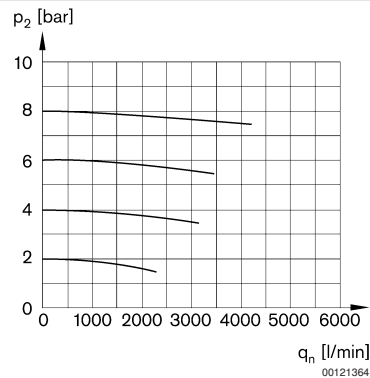
Preparation of compressed air → Maintenance units and components

Microfilter, Series AS5-FLC  
► G 3/4 - G 1 ► filter porosity: 0.01 µm

Part No.	Weight
	[kg]
<b>R412009036</b>	0.71
<b>R412009037</b>	0.76
<b>R412009038</b>	0.76
R412009042	1.21
R412009043	1.26
R412009044	1.26
<b>R412009045</b>	0.71
<b>R412009046</b>	0.76
<b>R412009047</b>	0.76
R412009051	1.21
R412009052	1.26
R412009053	1.26

1) Reservoir with level indicator  
Nominal flow Qn at 6.3 bar and Δp = 0.1 bar.

Flow rate characteristic

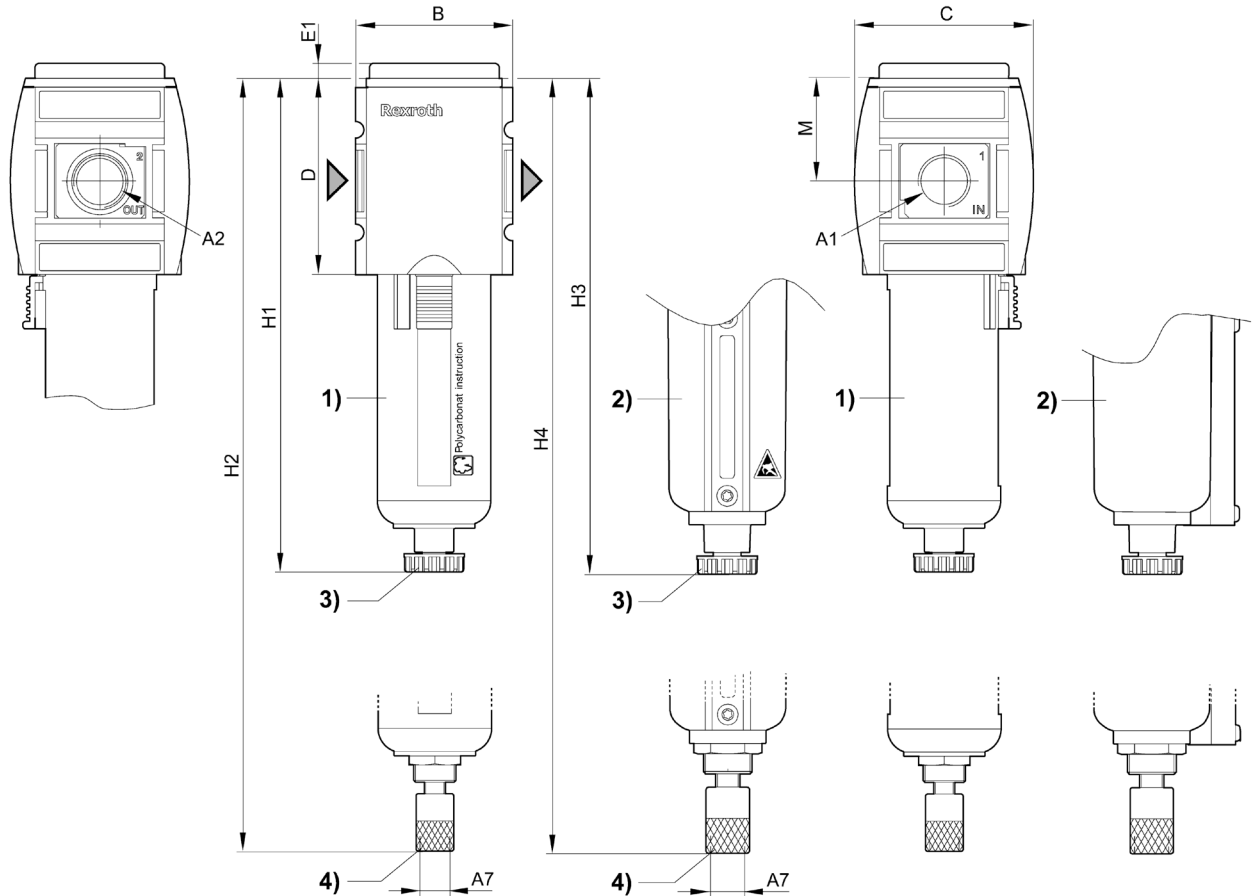


p2 = secondary pressure; qn = nominal flow

## Preparation of compressed air → Maintenance units and components

**Microfilter, Series AS5-FLC**

► G 3/4 - G 1 ► filter porosity: 0.01 µm

**Dimensions**

00123326\_m

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Part No.	A1	A2	A7	B	C	D	E1	H1	H2	H3	H4	M
<b>R412009036</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
<b>R412009037</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
<b>R412009038</b>	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
R412009042	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
R412009043	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
R412009044	G 3/4	G 3/4	G 1/8	85	103	109	5	250	266	254	270	58
<b>R412009045</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58
<b>R412009046</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58
<b>R412009047</b>	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58
R412009051	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58
R412009052	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58
R412009053	G 1	G 1	G 1/8	85	103	109	5	250	266	254	270	58

Preparation of compressed air → Maintenance units and components

Active carbon filter, Series AS5-FLA

▶ G 3/4 - G 1



00121762

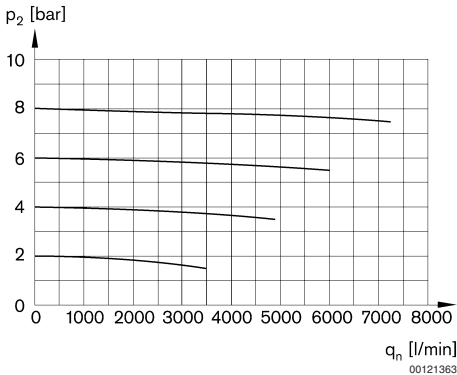
Version	Active carbon filter, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air
Filter element	exchangeable
Filter reservoir volume	87 cm³
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Filter insert	Active carbon

Technical Remarks	
■	The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
■	Recommended pre-filtering: 0.01 μm
■	max. residual oil content at the outlet: 0.005 mg/m³

	Port	Qn [l/min]	Condensate drain	Reservoir	Weight [kg]	Part No.
	G 3/4	1700	without	-	0.71	<b>R412009072</b>
	G 3/4			Die cast zinc with window	0.375	<b>R412009074</b>
	G 1			-	0.71	<b>R412009075</b>
	G 1			Die cast zinc with window	0.375	<b>R412009077</b>

Nominal flow Qn at 6.3 bar and Δp = 0.1 bar.

Flow rate characteristic

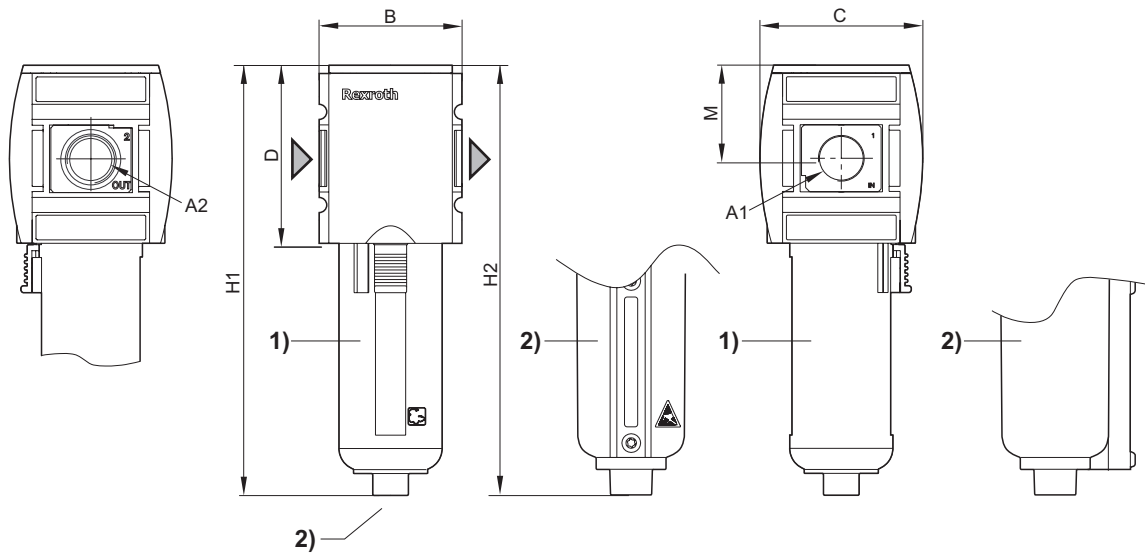


p2 = secondary pressure; qn = nominal flow

Active carbon filter, Series AS5-FLA

► G 3/4 - G 1

Dimensions



00123327

- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- A1 = input
- A2 = output

Part No.	A1	A2	B	C	D	H1	H2	M				
<b>R412009072</b>	G 3/4	G 3/4	85	103	109	242	246	58				
<b>R412009075</b>	G 1	G 1	85	103	109	242	246	58				

Preparation of compressed air → Maintenance units and components

Standard oil-mist lubricator, Series AS5-LBS

► G 3/4 - G 1



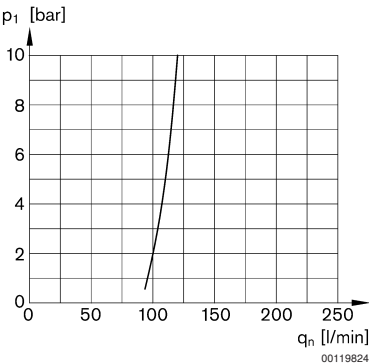
Version	Oil-mist lubricator, Can be assembled into blocks
Installation location	vertical
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	0.5 bar / 16 bar
Medium	Compressed air
Lubricator reservoir volume	181 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Oil type	HLP 32 (DIN 51 524 - ISO VG 32) HLP 68 (DIN 51 524 - ISO VG 68)
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber

Technical Remarks
■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
■ Electrical level detection only with ST6 sensor with reed contact
■ Oil dosing at 1000 l/min [drops/min]: 1-2

	Port	Qn	Reservoir	Protective guard	Note	Weight	Part No.
		[l/min]				[kg]	
	G 3/4	15800	Polycarbonate	Polyamide	-	0.76	<b>R412009225</b>
	G 3/4		Die cast zinc with window	-	-	0.762	R412009229
	G 3/4		Polycarbonate	Polyamide	1)	0.77	<b>R412009226</b>
	G 1		Polycarbonate	Polyamide	-	0.76	<b>R412009231</b>
	G 1		Die cast zinc with window	-	-	0.762	<b>R412009235</b>
	G 1		Polycarbonate	Polyamide	1)	0.77	<b>R412009232</b>

1) Electrical level detection  
Nominal flow Qn at 6.3 bar and Δp = 1 bar.

Lubricator activation margin



p1 = secondary pressure; qn = nominal flow

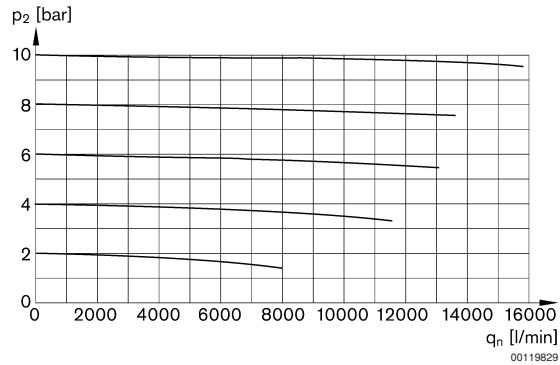


## Preparation of compressed air → Maintenance units and components

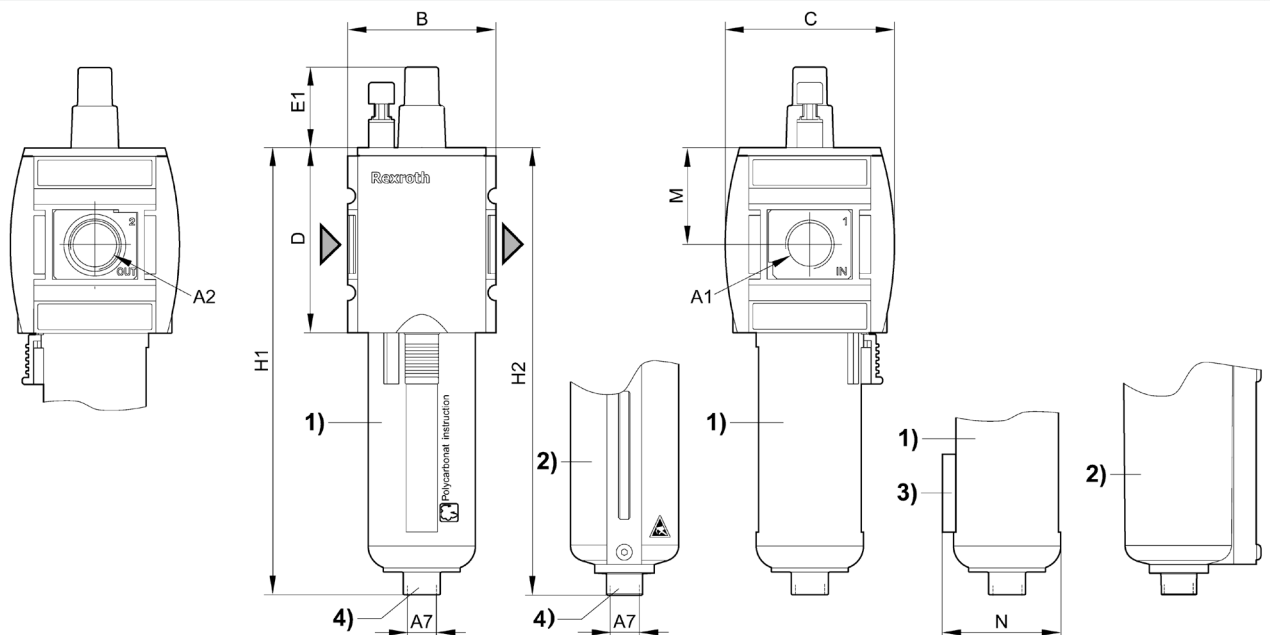
## Standard oil-mist lubricator, Series AS5-LBS

► G 3/4 - G 1

## Flow rate characteristic

p<sub>2</sub> = secondary pressure; q<sub>n</sub> = nominal flow

## Dimensions



- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Holder for sensor
- 4) port for semi-automatic oil filling

A1	A2	A7	B	C	D	E1	H1	H2	M				
G 3/4	G 3/4	G 1/8	85	103	109	30.5	239	243	58				
G 1	G 1	G 1/8	85	103	109	30.5	239	243	58				

## Preparation of compressed air → Maintenance units and components

## Filling unit, electrically operated, Series AS5-SSU

► G 3/4 - G 1 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C ► ATEX optional



00128866

Parts	3/2-way valve, electrically operated, Filling valve
Version	Poppet valve, Can be assembled into blocks
Sealing principle	soft sealing
Working pressure min./max.	2.5 bar / 10 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Materials:	
Housing	Polyamide
Seals	Acrylonitrile Butadiene Rubber
Front plate	Acrylonitrile butadiene styrene
Threaded bushing	Die cast zinc

## Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- ATEX optional: The ATEX ID depends on the selected pilot valve.

Operating voltage			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
			W	VA	VA	VA	VA
24 V	-	-	2	-	-	-	-
-	110 V	110 V	-	2.2	1.6	1.6	1.4
-	220 V	230 V	-	2.2	1.6	1.6	1.4

		Port	Exhaust	Operating voltage			Qn			Weight	Note	Part No.
				DC	AC 50 Hz	AC 60 Hz		1►2	2►3			
									[l/min]	[kg]		
		G 3/4	G 1/2	24 V	-	-	8750	8750	3700	0.924	1); 3)	R412009278
		G 3/4		-	110 V	110 V						R412009279
		G 3/4		-	220 V	230 V						R412009280
		G 1		24 V	-	-						R412009283
		G 1		-	110 V	110 V						R412009284
		G 1		-	220 V	230 V						R412009285

1) IP65 (EN60529)

2) Port M12x1

3) Basic valve with pilot valve

4) Basic valve without pilot valve

5) Basic valve without pilot valve, with CNOMO subbase

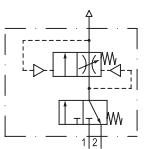
6) ATEX optional

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

**Filling unit, electrically operated, Series AS5-SSU**

► G 3/4 - G 1 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C ► ATEX optional

		Port	Ex- haust	Operating voltage			Qn			Weight	Note	Part No.
				DC	AC 50 Hz	AC 60 Hz		1►2	2►3			
									[l/min]	[kg]		
	-	G 3/4	G 1/2	-	-	-	8750	8750	3700	0.889	4); 6)	R412009277
		G 3/4		-						0.895	5); 6)	R412009286
		G 1		-						0.889	4); 6)	R412009282
		G 1		-						0.895	5); 6)	R412009287
		G 1		24 V						0.9	1); 2)	R412009288

1) IP65 (EN60529)

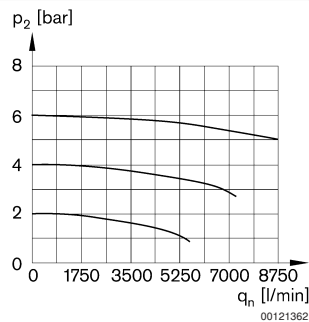
2) Port M12x1

3) Basic valve with pilot valve

4) Basic valve without pilot valve

5) Basic valve without pilot valve, with CNOMO subbase

6) ATEX optional

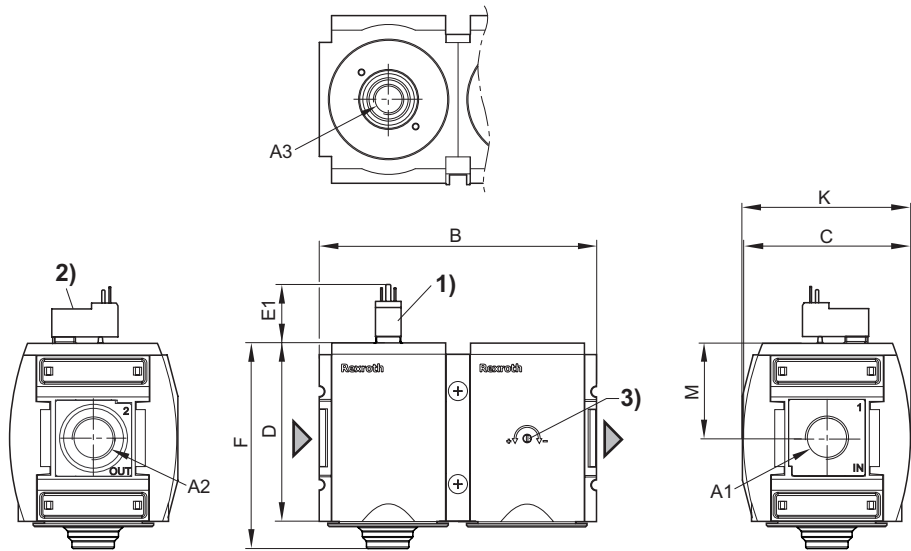
Nominal flow Qn at 6.3 bar and  $\Delta p = 1$  bar.**Flow rate characteristic**

p2 = secondary pressure qn = nominal flow

Preparation of compressed air → Maintenance units and components

Filling unit, electrically operated, Series AS5-SSU  
► G 3/4 - G 1 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C ► ATEX optional

With pilot valve series DO16



00130383

- A1 = input  
A2 = output  
A3 = ventilation port  
1) For electrical connector according to ISO 15217 (form C)  
2) manual override  
3) Adjustment screw for filling time

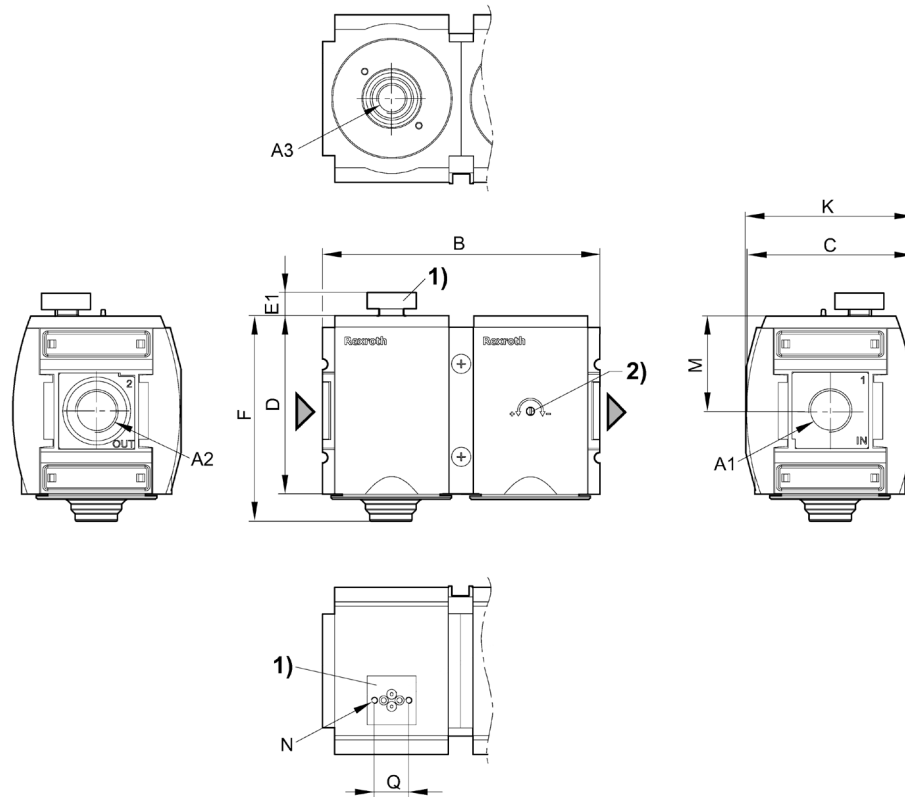
A1	A2	A3	B	C	D	E1	F	K	M				
G 3/4	G 3/4	G 1/2	170	103	109	25.1	125	103.5	58				
G 1	G 1	G 1/2	170	103	109	25.1	125	103.5	58				

## Preparation of compressed air → Maintenance units and components

**Filling unit, electrically operated, Series AS5-SSU**

► G 3/4 - G 1 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C ► ATEX optional

With transition plate for pilot valve series DO30



00130388

A1 = input

A2 = output

A3 = ventilation port

1) Transition plate with CNOMO porting configuration for pilot valve DO30

2) Adjustment screw for filling time

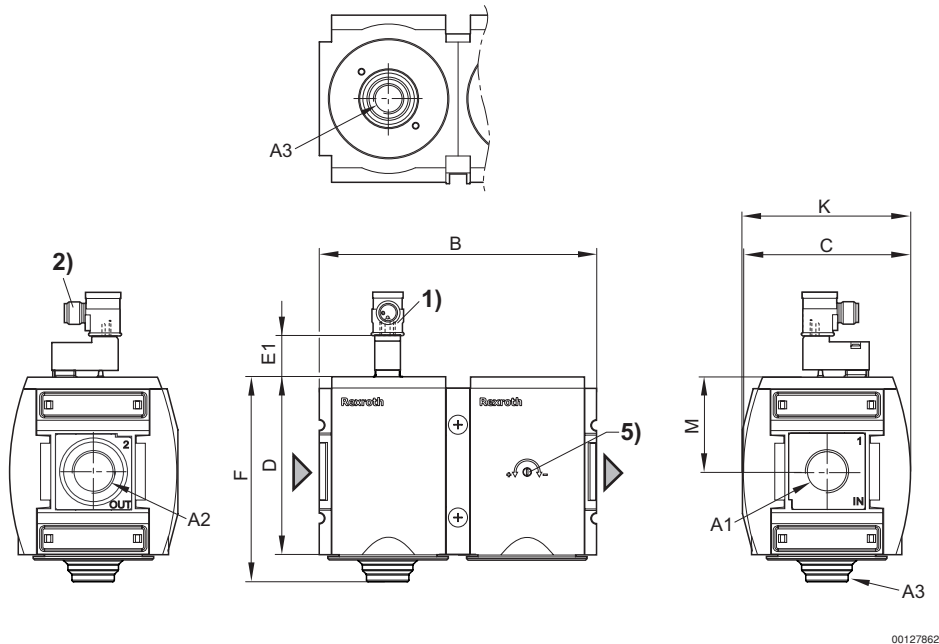
A1	A2	A3	B	C	D	E1	F	K	M	N	Q		
G 3/4	G 3/4	G 1/2	170	103	109	14.2	125	103.5	58	M4	21		
G 1	G 1	G 1/2	170	103	109	14.2	125	103.5	58	M4	21		

Preparation of compressed air → Maintenance units and components

Filling unit, electrically operated, Series AS5-SSU

► G 3/4 - G 1 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C ► ATEX optional

Electr. connection: M12x1 electrical connector



- A1 = input  
A2 = output  
A3 = ventilation port  
1) Electrical connector  
2) Electr. connection: M12x1 electrical connector  
5) Adjustment screw for filling time

A1	A2	A3	B	C	D	E1	F	K	M				
G 1	G 1	G 1/2	170	103	109	21	125	103.5	58				

## Preparation of compressed air → Maintenance units and components

## Filling unit, pneumatically operated, Series AS5-SSU

► G 3/4 - G 1 ► pipe connection



00128867

## Parts

Version

Sealing principle

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

3/2-way valve, pneumatically operated, Filling valve

Poppet valve, Can be assembled into blocks soft sealing

2.5 bar / 10 bar

-10 °C / +50 °C

-10 °C / +50 °C

Compressed air

5 µm

## Materials:

Housing

Seals

Front plate

Threaded bushing

Polyamide

Acrylonitrile Butadiene Rubber

Acrylonitrile butadiene styrene

Die cast zinc

## Technical Remarks

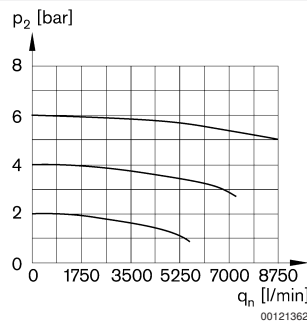
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.

	Port	Exhaust	Qn			Control pressure min./max.	Weight	Note	Part No.
				1►2	2►3				
			[l/min]			[bar]	[kg]		
	G 3/4							-	R412009276
	G 1							-	R412009281
	G 1	G 1/2	8750	8750	3700	2.5 / 16	0.924	1)	R412009289

1) With adjustment screw lock

Nominal flow with secondary pressure 6,3 bar at  $\Delta p = 1$  bar

## Flow rate characteristic



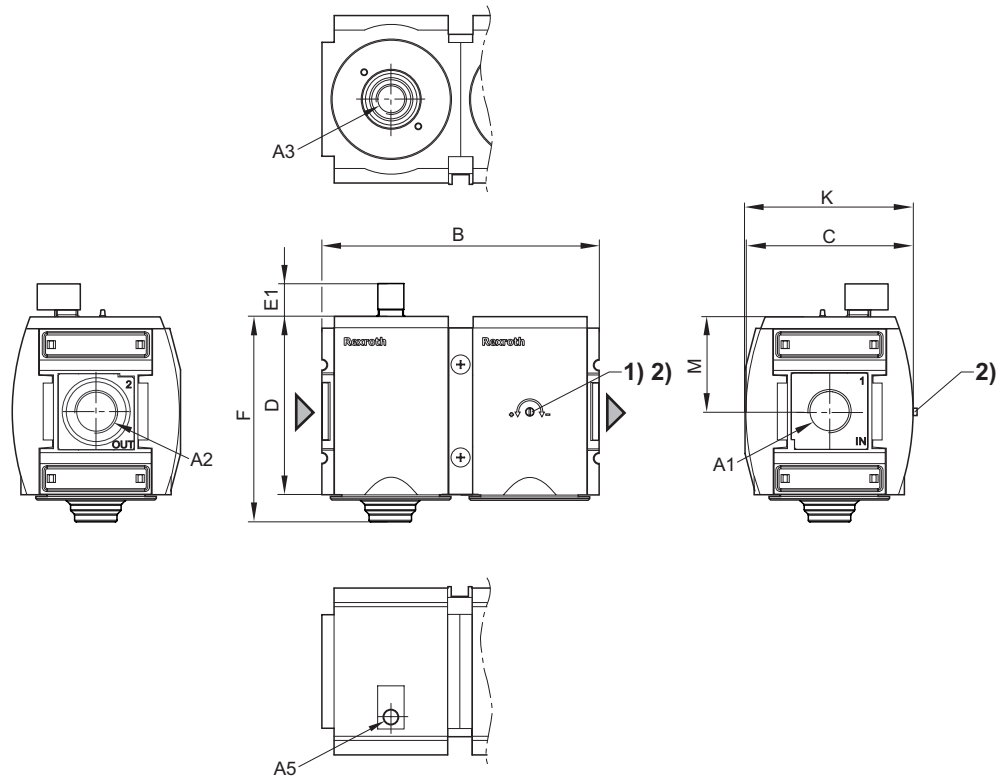
p2 = secondary pressure qn = nominal flow

Preparation of compressed air → Maintenance units and components

Filling unit, pneumatically operated, Series AS5-SSU

► G 3/4 - G 1 ► pipe connection

Dimensions



00130385

- 1) Adjustment screw for filling time  
2) Adjustment screw lock  
A1 = input  
A2 = output  
A3 = ventilation port  
A5 = pilot connection

Part No.	A1	A2	A3	A5	B	C	D	E1	F	K	M	
R412009276	G 3/4	G 3/4	G 1/2	G 1/8	170	103	109	20.2	125	103.5	58	
R412009281	G 1	G 1	G 1/2	G 1/8	170	103	109	20.2	125	103.5	58	

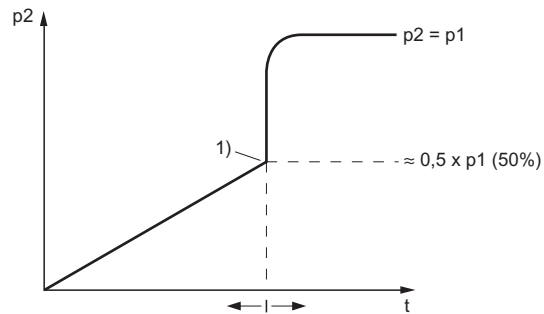


## Preparation of compressed air → Maintenance units and components

### Filling unit, pneumatically operated, Series AS5-SSU

► G 3/4 - G 1 ► pipe connection

#### Start function



00133950

p2 = output pressure  
t = adjustable filling time  
1) Switching point

Preparation of compressed air → Maintenance units and components

Filling unit, pneumatically operated, with electrical priority circuit, Series AS5-SSU

► G 1 ► pipe connection



00134310

Parts

Version

Sealing principle

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Max. particle size

Materials:

Housing

Seals

Front plate

Threaded bushing

3/2-way valve, pneumatically operated, Filling valve with elect. priority circuit

Poppet valve, Can be assembled into blocks

soft sealing

2.5 bar / 10 bar

-10 °C / +50 °C

-10 °C / +50 °C

Compressed air

5 µm


Polyamide

Acrylonitrile Butadiene Rubber

Acrylonitrile butadiene styrene

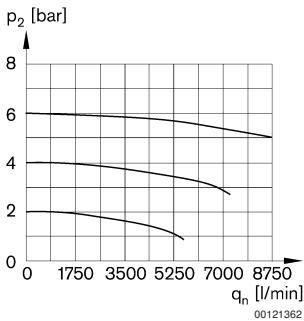
Die cast zinc

Technical Remarks	
■ The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.	
■ Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.	
■ Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.	

	Port	Exhaust	Qn			Weight	Note	Part No.
			1►2		2►3			
			[l/min]			[kg]		
	G 1	G 1/2	8750	8750	3700	0.924	2)	R412009290

2) Adjustment screw lock  
Nominal flow Qn at 6 bar and Δp = 1 bar.  
Electr. connection: M12x1 electrical connector

Flow rate characteristic

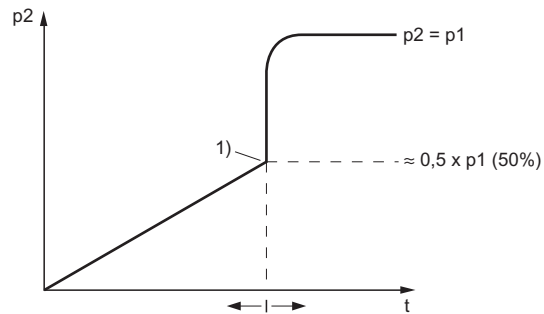


p2 = secondary pressure; qn = nominal flow

## Preparation of compressed air → Maintenance units and components

**Filling unit, pneumatically operated, with electrical priority circuit, Series AS5-SSU**

► G 1 ► pipe connection

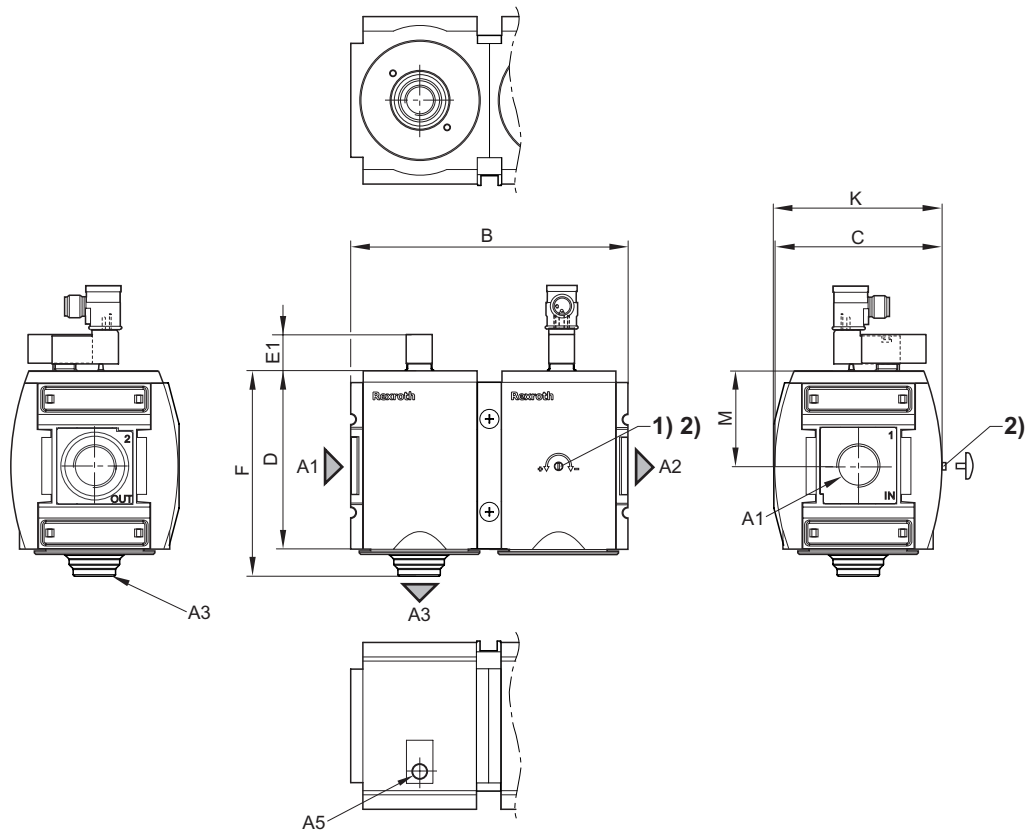
**Start function**

00133950

p2 = output pressure

t = filling time

1) Switching point

**Dimensions**

A1 = input

A2 = output

A5 = pilot connection

1) Adjustment screw for filling time

2) Adjustment screw lock

00127864

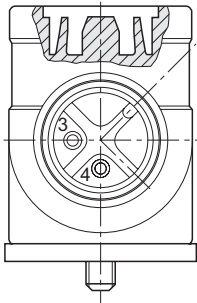
Preparation of compressed air → Maintenance units and components

Filling unit, pneumatically operated, with electrical priority circuit, Series AS5-SSU

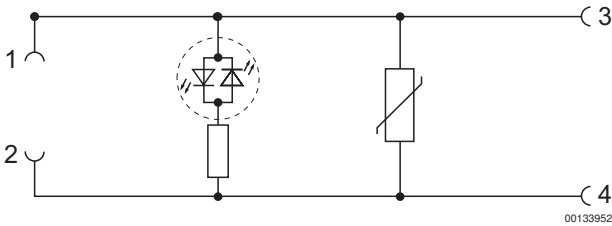
► G 1 ► pipe connection

Part No.	A1	A2	A3	A5	B	C	D	E1	F	K	M
R412009290	G 1	G 1	G 1/2	G 1/8	170	103	109	20.2	125	103.5	58

Pin assignment M12x1



circuit diagram



## Preparation of compressed air → Maintenance units and components

**Filling unit, electrically operated, with electrical priority circuit, Series AS5-SSU**

► G 1 ► pipe connection ► Electr. connection: Plug, M12x1 ► Increased flow rate 2►3



00133685

**Parts**

Version  
 Sealing principle  
 Working pressure min./max.  
 Ambient temperature min./max.  
 Medium temperature min./max.  
 Medium  
 Max. particle size  
 Protection class according to EN 60529: with Plug

3/2-way valve, electrically operated, Filling valve with elect. priority circuit  
 Poppet valve, Can be assembled into blocks  
 soft sealing  
 2.5 bar / 9 bar  
 -10 °C / +50 °C  
 -10 °C / +50 °C  
 Compressed air  
 5 µm  
 IP 65

**Materials:**

Housing  
 Seals  
 Front plate  
 Threaded bushing

Polyamide  
 Acrylonitrile Butadiene Rubber  
 Acrylonitrile butadiene styrene  
 Die cast zinc

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.
- Rear exhaust flow rate 2►3 substantially increased

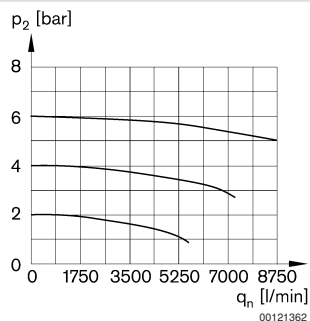
Operating voltage	Power consumption
DC	DC
	<b>W</b>
24 V	2

		Port	Exhaust	Operating voltage	Qn			Weight	Note	Part No.
				DC		1►2	2►3			
					[l/min]			[kg]		
		G 1	G 1/2	24 V	8750	8750	5700	0.924	3)	R412009292

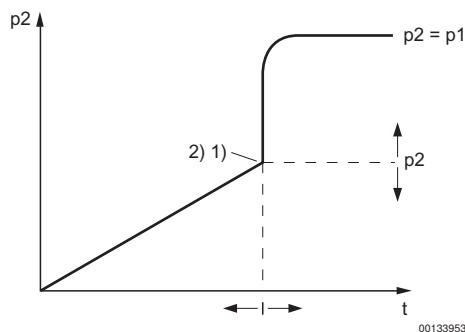
3) Adjustment screw lock  
 Nominal flow Qn at 6.3 bar and  $\Delta p = 1$  bar.  
 Basic valve with pilot valve

**Preparation of compressed air → Maintenance units and components**
**Filling unit, electrically operated, with electrical priority circuit, Series AS5-SSU**

► G 1 ► pipe connection ► Electr. connection: Plug, M12x1 ► Increased flow rate 2►3

**Flow rate characteristic**


$p_2$  = secondary pressure;  $q_n$  = nominal flow

**Start function**


$p_2$  = output pressure

$t$  = filling time

1) Switching point

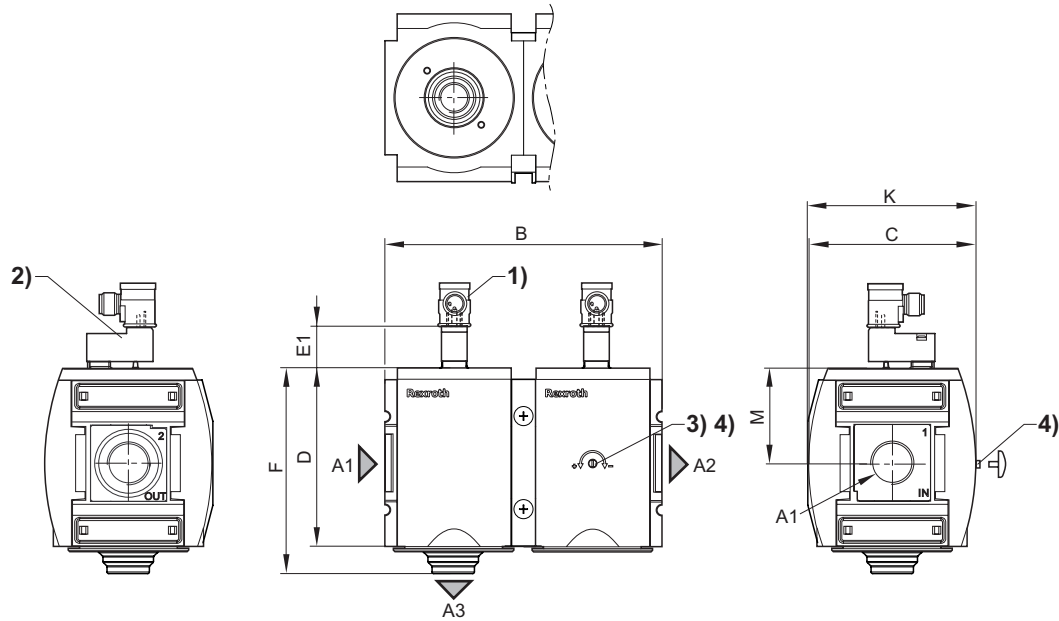
2) adjustable filling time and change-over pressure

## Preparation of compressed air → Maintenance units and components

**Filling unit, electrically operated, with electrical priority circuit, Series AS5-SSU**

► G 1 ► pipe connection ► Electr. connection: Plug, M12x1 ► Increased flow rate 2►3

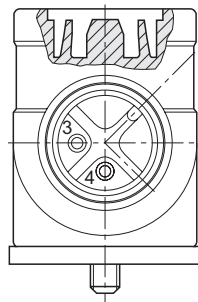
With pilot valve series DO16



00127863

- A1 = input  
 A2 = output  
 A3 = ventilation port  
 1) For electrical connector M12x1  
 2) manual override  
 3) Adjustment screw for filling time  
 4) Adjustment screw lock

A1	A2	A3	B	C	D	E1	F	K	M				
G 1	G 3/4	G 1/2	170	103	109	25.1	125	103.5	58				

**Pin assignment M12x1**

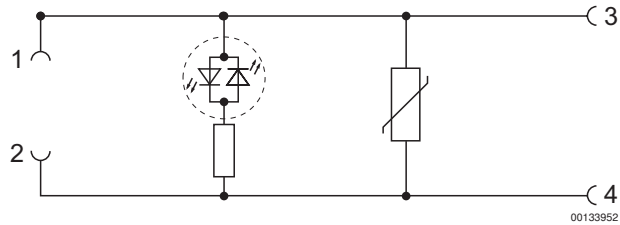
00133951

## Preparation of compressed air → Maintenance units and components

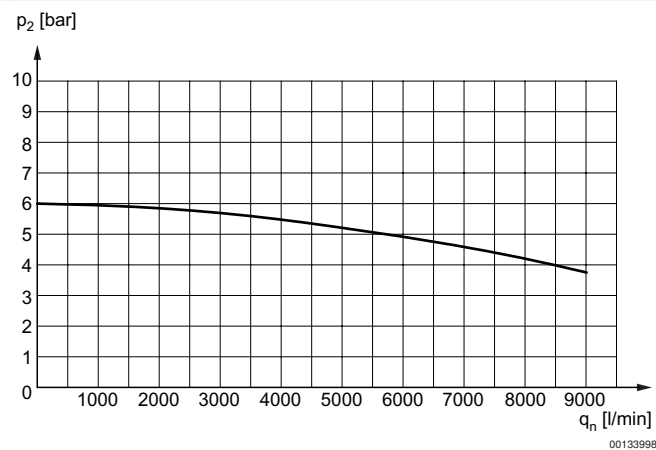
**Filling unit, electrically operated, with electrical priority circuit, Series AS5-SSU**

► G 1 ► pipe connection ► Electr. connection: Plug, M12x1 ► Increased flow rate 2►3

## circuit diagram



## Rear exhaust, 2 → 3





## Preparation of compressed air → Maintenance units and components

**3/2-way valve, electrically operated, Series AS5-SOV**

► G 3/4 - G 1 ► pipe connection ► ATEX optional



00119378

Version  
 Sealing principle  
 Working pressure min./max.  
 Ambient temperature min./max.  
 Medium temperature min./max.  
 Medium  
 Max. particle size  
 Protection class according to EN 60529: with Plug

Poppet valve, Can be assembled into blocks  
 soft sealing  
 2.5 bar / 10 bar  
 -10 °C / +50 °C  
 -10 °C / +50 °C  
 Compressed air  
 5 µm  
 See table below

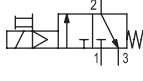

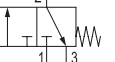
Materials:  
 Housing  
 Seals  
 Front plate  
 Threaded bushing

Polyamide  
 Acrylonitrile Butadiene Rubber  
 Acrylonitrile butadiene styrene  
 Die cast zinc

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- ATEX optional: The ATEX ID depends on the selected pilot valve.

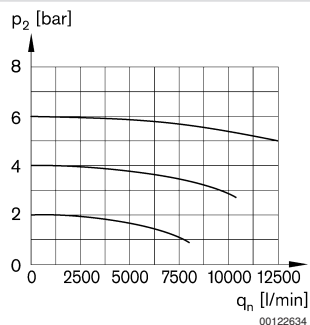
Operating voltage			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz
			W	VA	VA	VA	VA
24 V	-	-	2	-	-	-	-
-	110 V	110 V	-	2.2	1.6	1.6	1.4
-	220 V	230 V	-	2.2	1.6	1.6	1.4
-	-	-	-	2.2	1.6	1.6	1.4

		Port	Exhaust	Operating voltage			Qn		Weight	Note	Part No.
				DC	AC 50 Hz	AC 60 Hz	1►2	2►3			
							[l/min]		[kg]		
		G 3/4	G 1/2	24 V	-	-	12500	3700	0.677	1); 4); 5)	R412009265
		G 3/4		-	110 V	110 V					R412009266
		G 3/4		-	220 V	230 V					R412009267
		G 1		24 V	-	-					R412009269
		G 1		-	110 V	110 V					R412009270
		G 1		-	220 V	230 V					R412009271
	-	G 3/4	G 1/2	-	-	-	12500	3700	0.641	2); 6)	R412009264
		G 3/4							0.62	3); 6)	R412009258
		G 1							0.641	2); 6)	R412009268
		G 1							0.62	3); 6)	R412009259

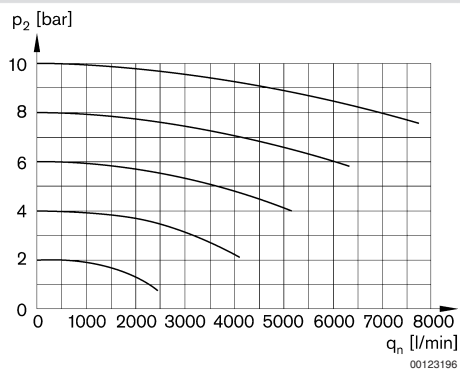
- 1) Basic valve with pilot valve  
 2) Basic valve without pilot valve  
 3) Basic valve without pilot valve, with CNOMO subbase  
 4) Protection class according to EN 60529: IP 65  
 5) Electr. connection: Plug; ISO 15217, form C  
 6) ATEX optional  
 Nominal flow Qn at 6.3 bar and Δp = 1 bar.

**Preparation of compressed air → Maintenance units and components**
**3/2-way valve, electrically operated, Series AS5-SOV**

► G 3/4 - G 1 ► pipe connection ► ATEX optional

**Flow rate characteristic , 1 → 2**


$p_2$  = secondary pressure  $q_n$  = nominal flow

**Rear exhaust, 2 → 3**


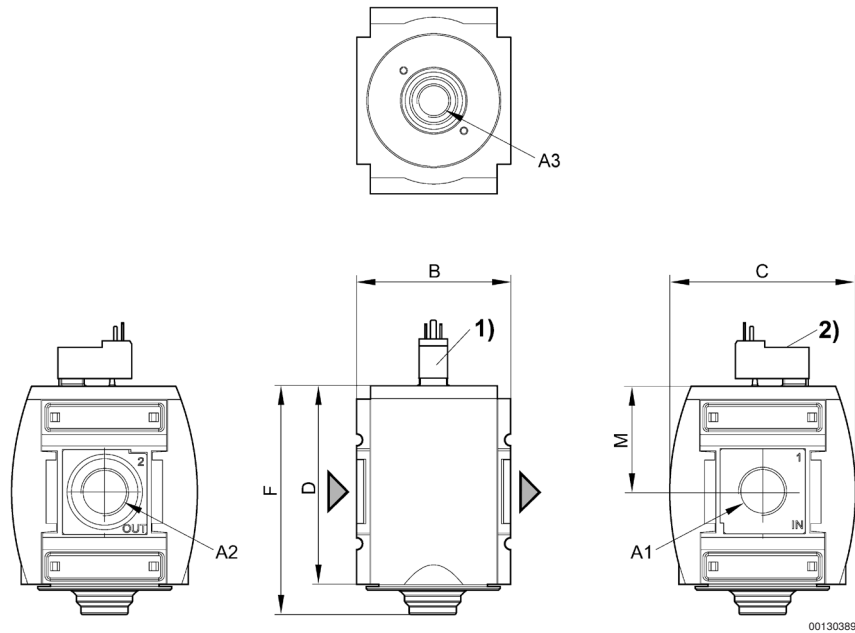
$p_2$  = secondary pressure  $q_n$  = nominal flow

## Preparation of compressed air → Maintenance units and components

**3/2-way valve, electrically operated, Series AS5-SOV**

► G 3/4 - G 1 ► pipe connection ► ATEX optional

with pilot valve series DO16 for electrical connector form C



A1 = input

A2 = output

A3 = ventilation port

1) For electrical connector according to ISO 15217 (form C)

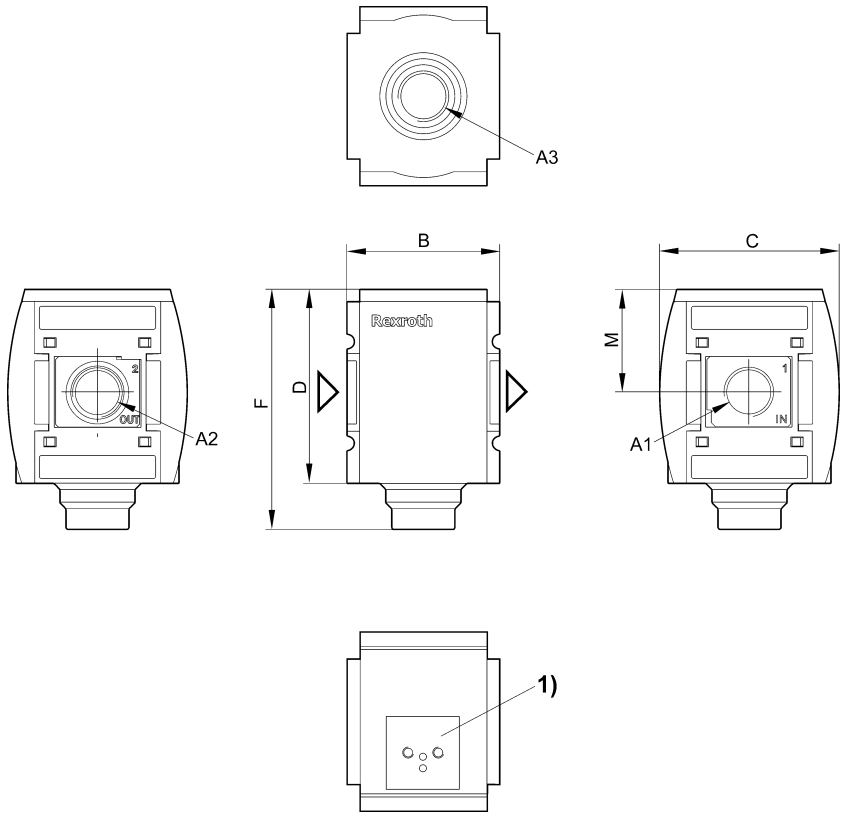
2) manual override

A1	A2	A3	B	C	D	F	M						
G 3/4	G 3/4	G 1/2	85	103	109	125	58						
G 1	G 1	G 1/2	85	103	109	125	58						

Preparation of compressed air → Maintenance units and components

3/2-way valve, electrically operated, Series AS5-SOV  
► G 3/4 - G 1 ► pipe connection ► ATEX optional

without pilot valve with porting configuration for DO16



A1 = input  
A2 = output  
A3 = ventilation port  
1) Porting configuration for pilot valve DO16

00133976

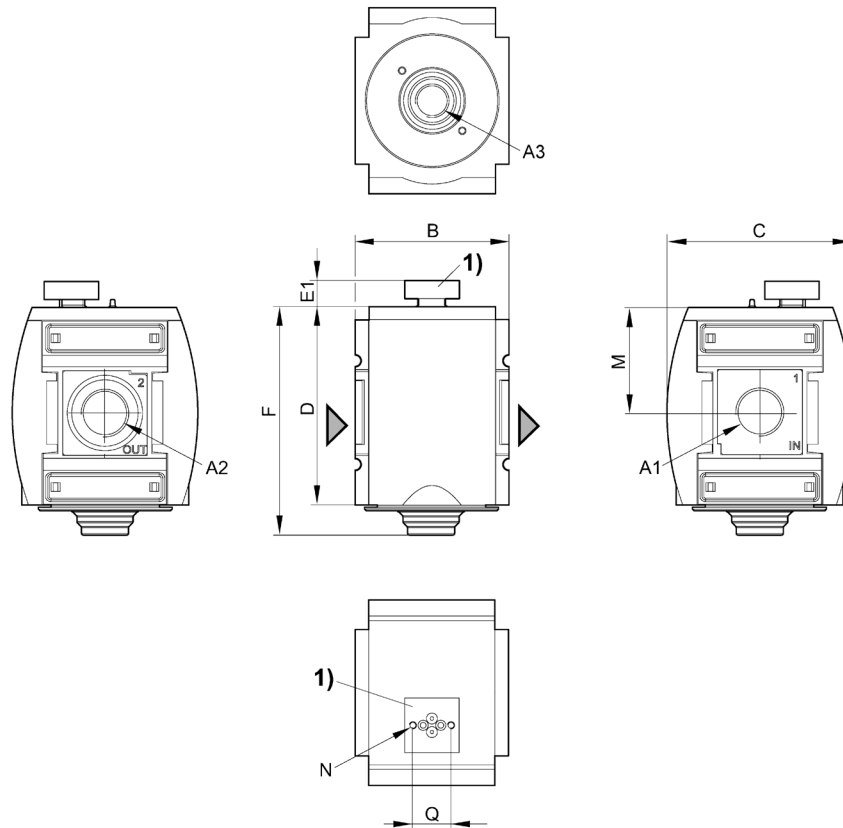
A1	A2	A3	B	C	D	F	M						
G 3/4	G 3/8	G 1/2	63	74	80	99	42.5						
G 1	G 1/2	G 1/2	63	74	80	99	42.5						

## Preparation of compressed air → Maintenance units and components

**3/2-way valve, electrically operated, Series AS5-SOV**

► G 3/4 - G 1 ► pipe connection ► ATEX optional

without pilot valve with CNOMO porting configuration for DO30



00130392

A1 = input

A2 = output

A3 = ventilation port

1) Transition plate with CNOMO porting configuration for pilot valve DO30

A1	A2	A3	B	C	D	E1	F	M	N	Q			
G 3/4	G 3/4	G 1/2	85	103	109	14.2	125	58	M4	21			
G 1	G 1	G 1/2	85	103	109	14.2	125	58	M4	21			

Preparation of compressed air → Maintenance units and components

3/2-way valve, electrically operated, Series AS5-SOV

▶ G 1 ▶ pipe connection ▶ Electr. connection: M12x1



00133686

Version	Poppet valve, Can be assembled into blocks
Sealing principle	soft sealing
Working pressure min./max.	2.5 bar / 9 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Protection class according to EN 60529:, without electrical connector	IP 65
Materials:	
Housing	Polyamide
Seals	Acrylonitrile Butadiene Rubber
Front plate	Acrylonitrile butadiene styrene
Threaded bushing	Die cast zinc

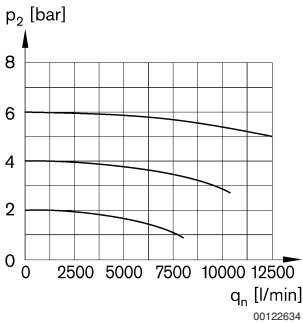
Technical Remarks
<div> <div>■</div> <div>The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.</div> </div>

Operating voltage	Power consumption
DC	DC
	W
24 V	2

		Port	Exhaust	Operating voltage	Qn		Weight	Part No.
				DC	1▶2	2▶3		
					[l/min]		[kg]	
		G 1	G 1/2	24 V	12500	9000	0.65	R412009291

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

Flow rate characteristic , 1 → 2



00122634

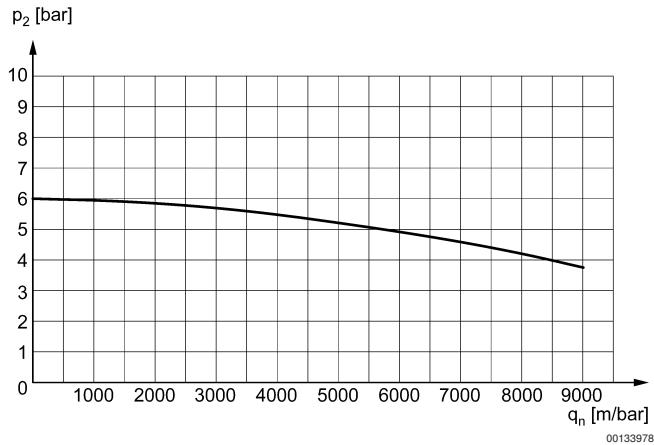
p2 = secondary pressure  
qn = nominal flow

Preparation of compressed air → Maintenance units and components

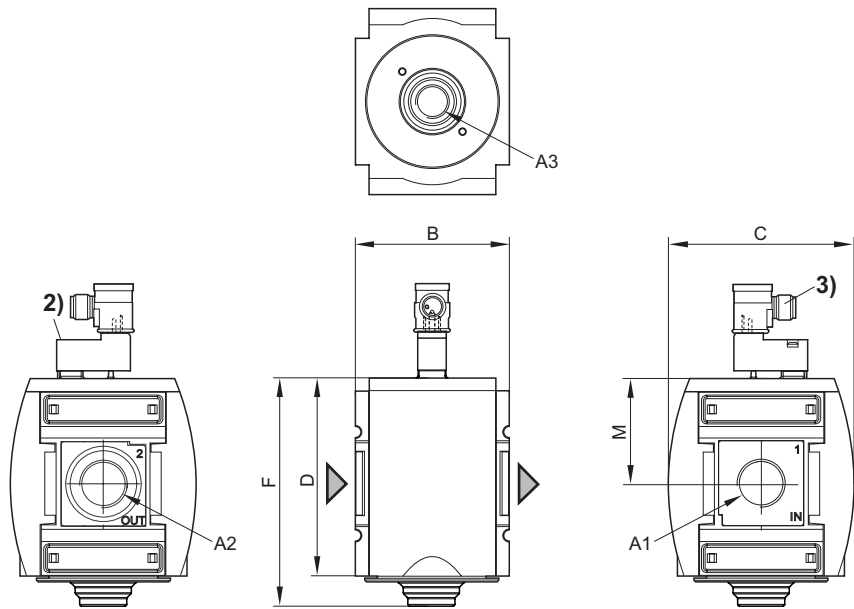
3/2-way valve, electrically operated, Series AS5-SOV

► G 1 ► pipe connection ► Electr. connection: M12x1

Rear exhaust, 2 → 3

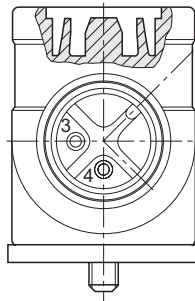


Dimensions

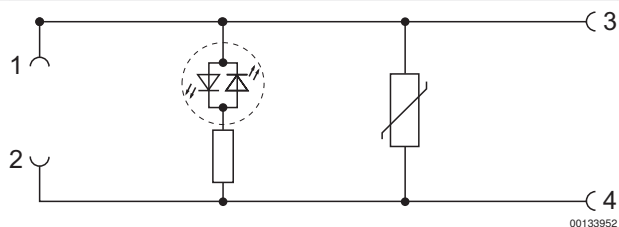


- A1 = input
- A2 = output
- A3 = ventilation port
- 2) Manual override
- 3) Electr. connection: M12x1 electrical connector

A1	A2	A3	B	C	D	F	M						
G 1	G 1	G 1/2	85	103	109	125	58						

**Preparation of compressed air → Maintenance units and components****3/2-way valve, electrically operated, Series AS5-SOV****► G 1 ► pipe connection ► Electr. connection: M12x1****Pin assignment M12x1**

00133951

**circuit diagram**



## Preparation of compressed air → Maintenance units and components

**3/2-way valve, pneumatically operated, Series AS5-SOV**

► G 3/4 - G 1 ► pipe connection



00119377

Version

Sealing principle

Working pressure min./max.

Ambient temperature min./max.

Medium temperature min./max.

Medium

Materials:

Housing

Seals

Front plate

Threaded bushing

Poppet valve, Can be assembled into blocks  
soft sealing

2 bar / 10 bar

-10 °C / +50 °C

-10 °C / +50 °C

Compressed air

Polyamide

Acrylonitrile Butadiene Rubber

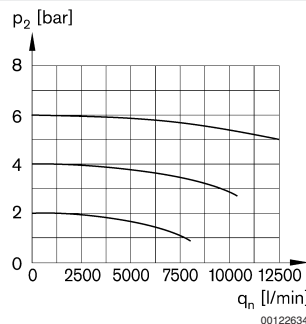
Acrylonitrile butadiene styrene

Die cast zinc

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

	Port	Exhaust	Qn			Control pressure min./max.	Weight	Part No.
				1 ► 2	2 ► 3			
			[l/min]			[bar]	[kg]	
	G 3/4							R412009262
	G 1	G 1/2	12500	12500	3700	2.5 / 16	0.459	R412009263

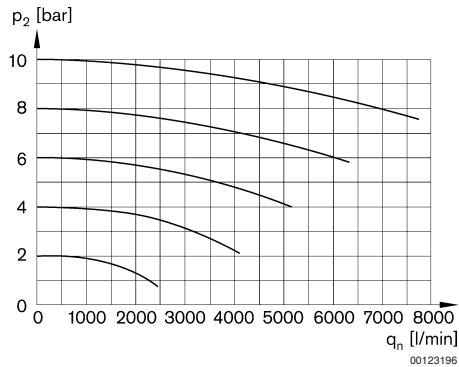
Nominal flow Qn at 6.3 bar and  $\Delta p = 1$  bar.**Flow rate characteristic , 1 → 2**p<sub>2</sub> = secondary pressure q<sub>n</sub> = nominal flow

Preparation of compressed air → Maintenance units and components

3/2-way valve, pneumatically operated, Series AS5-SOV

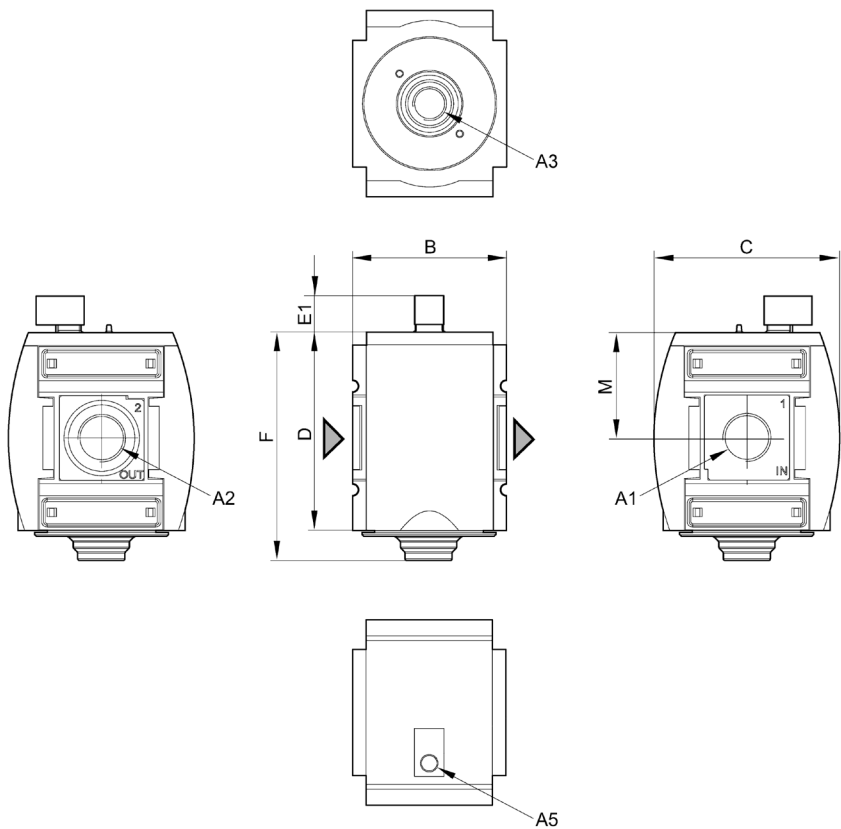
▶ G 3/4 - G 1 ▶ pipe connection

Rear exhaust, 2 → 3



p2 = secondary pressure qn = nominal flow

Dimensions



A3 = ventilation port  
A5 = pilot connection  
A1 = input  
A2 = output

Part No.	A1	A2	A3	A5	B	C	D	E1	F	M		
R412009262	G 3/4	G 3/4	G 1/2	G 1/8	85	103	109	20.2	125	58		
R412009263	G 1	G 1	G 1/2	G 1/8	85	103	109	20.2	125	58		

## Preparation of compressed air → Maintenance units and components

**3/2-shut-off valve, mechanically operated, Series AS5-BAV**

► G 3/4 - G 1



00119805

## Version

Control element  
Sealing principle  
Working pressure min./max.  
Ambient temperature min./max.  
Medium temperature min./max.  
Medium

## Materials:

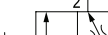
Housing  
Seals  
Control element  
Front cover  
Threaded bushing  
Locking base

Ball valve, Can be assembled into blocks with padlock  
lockable  
rotary switch  
metal/metal sealing  
0 bar / 16 bar  
-10 °C / +50 °C  
-10 °C / +50 °C  
Compressed air

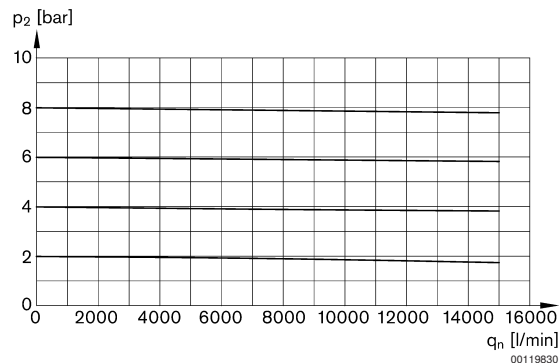
Polyamide  
Polytetrafluorethylene  
Polyoxymethylene  
Acrylonitrile butadiene styrene  
Die cast zinc  
Steel

**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.

	Port	Exhaust	Qn		Weight	Part No.
			1►2	2►3		
			[l/min]		[kg]	
	G 3/4					R412009260
	G 1	G 3/4	16000	3700	0.825	R412009261

Nominal flow Qn at 6.3 bar and  $\Delta p = 1$  bar.

**Flow rate characteristic**

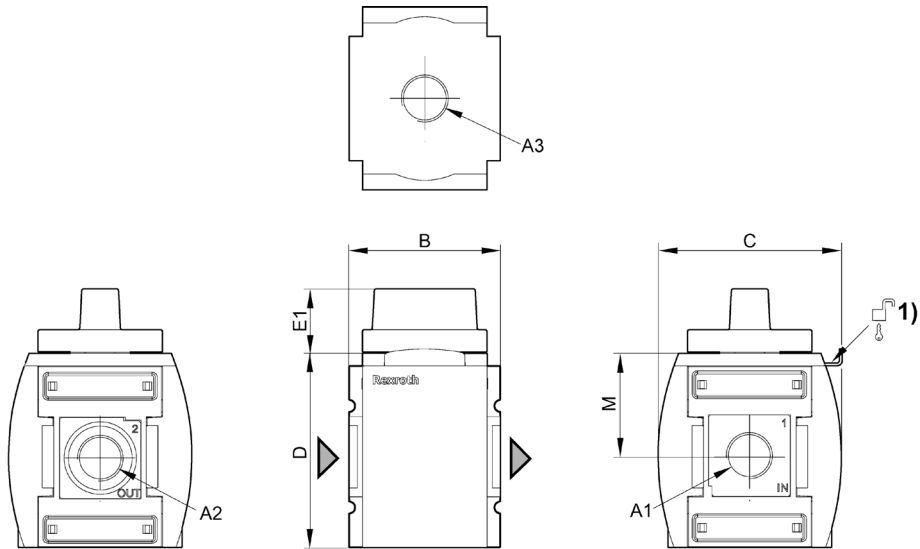
p2 = secondary pressure; qn = nominal flow

Preparation of compressed air → Maintenance units and components

3/2-shut-off valve, mechanically operated, Series AS5-BAV

► G 3/4 - G 1

Dimensions



00119838

A3 = ventilation port  
A1 = input  
A2 = output  
1) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	B	C	D	E1	M						
G 3/4	G 3/4	G 3/4	85	103	109	36	58						
G 1	G 1	G 3/4	85	103	109	36	58						

## Preparation of compressed air → Maintenance units and components

## Filling valve, pneumatically operated, Series AS5-SSV

► G 3/4 - G 1



00128862

Version	Poppet valve, Can be assembled into blocks
Sealing principle	soft sealing
Working pressure min./max.	2.5 bar / 16 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Materials:	
Housing	Polyamide
Seals	Acrylonitrile Butadiene Rubber
Front cover	Acrylonitrile butadiene styrene
Threaded bushing	Die cast zinc

## Technical Remarks

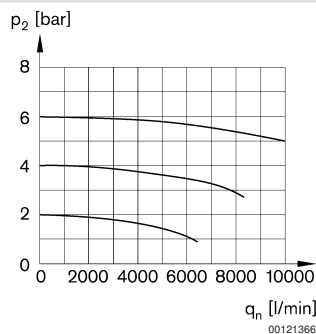
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.

	Port	Qn [l/min]	Note	Weight [kg]	Part No.
	G 3/4	10000	-	0.43	R412009272
	G 1		-		R412009273
	G 1		1)		R412009275

1) With adjustment screw lock

Nominal flow with secondary pressure 6,3 bar at  $\Delta p = 1$  bar

## Flow rate characteristic



p2 = secondary pressure

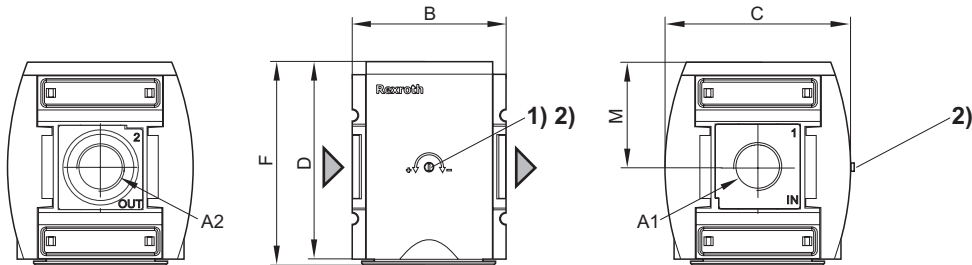
qn = nominal flow

Preparation of compressed air → Maintenance units and components

Filling valve, pneumatically operated, Series AS5-SSV

► G 3/4 - G 1

Dimensions



00128788

- A1 = input
- A2 = output
- 1) Adjustment screw for filling time
- 2) Adjustment screw lock

A1	A2	B	C	D	F	M							
G 3/4	G 3/4	85	103	109	112	58							
G 1	G 1	85	103	109	112	58							

## Preparation of compressed air → Maintenance units and components

**Filling valve, pneumatically operated, with electrical priority circuit, Series AS5-SSV**

► G 3/4 - G 1 ► Electr. connection: M12x1 electrical connector



## Version

Poppet valve with elect. priority circuit, Can be assembled into blocks

## Sealing principle

soft sealing

## Working pressure min./max.

2.5 bar / 10 bar

## Ambient temperature min./max.

-10 °C / +50 °C

## Medium temperature min./max.

-10 °C / +50 °C

## Medium

Compressed air

## Max. particle size

5 µm

## Materials:

## Housing

Polyamide

## Seals

Acrylonitrile Butadiene Rubber

## Front cover

Acrylonitrile butadiene styrene

## Threaded bushing

Die cast zinc

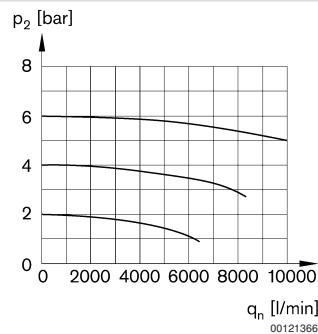
**Technical Remarks**

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.

		Port	Qn [l/min]	Note	Weight [kg]	Part No.
		G 3/4	10000	2)	0.43	R412009293
		G 1				R412009274

Electr. connection: M12x1 electrical connector

2) Adjustment screw lock

Nominal flow with secondary pressure 6,3 bar at  $\Delta p = 1$  bar**Flow rate characteristic**

p2 = secondary pressure

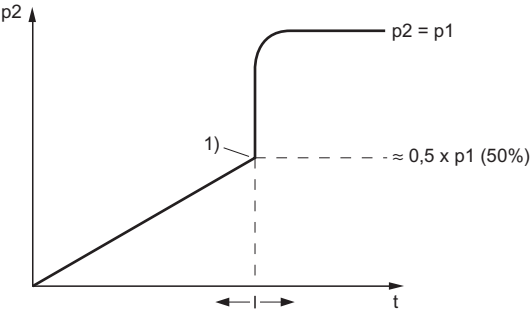
qn = nominal flow

Preparation of compressed air → Maintenance units and components

Filling valve, pneumatically operated, with electrical priority circuit, Series AS5-SSV

▶ G 3/4 - G 1 ▶ Electr. connection: M12x1 electrical connector

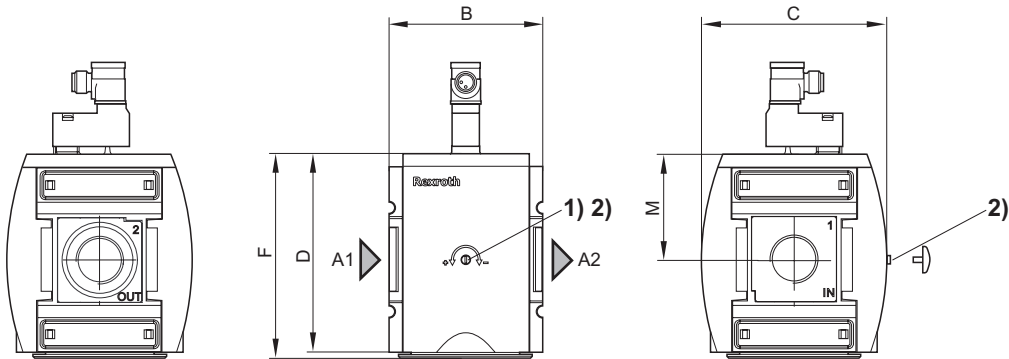
Start function



00133950

p2 = output pressure  
 t = filling time  
 1) Switching point

Dimensions



00127861

A1 = input  
 A2 = output  
 1) Adjustment screw for filling time  
 2) Adjustment screw lock

A1	A2	B	C	D	F	M							
G 3/4	G 3/4	85	103	109	112	58							
G 1	G 1	85	103	109	112	58							

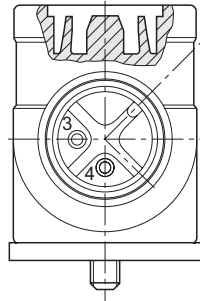


# Preparation of compressed air → Maintenance units and components

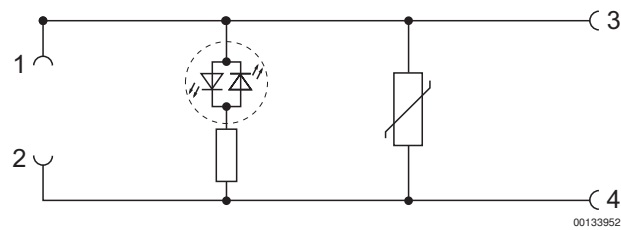
## Filling valve, pneumatically operated, with electrical priority circuit, Series AS5-SSV

► G 3/4 - G 1 ► Electr. connection: M12x1 electrical connector

### Pin assignment M12x1



### circuit diagram



Preparation of compressed air → Maintenance units and components

Distributor, Series AS5-DIS  
► G 3/4 - G 1 ► Distributor 2x ► ATEX certified



00119807

ATEX	II 2G2D T4 X
Version	Can be assembled into blocks
Installation location	arbitrary
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air
Materials:	
Housing	Polyamide
Threaded bushing	Die cast zinc
Cover	Acrylonitrile butadiene styrene
Seal	Acrylonitrile Butadiene Rubber

Technical Remarks
■ Suitable for direct mounting of a PE1 and PM1 series pressure sensor (flange version)

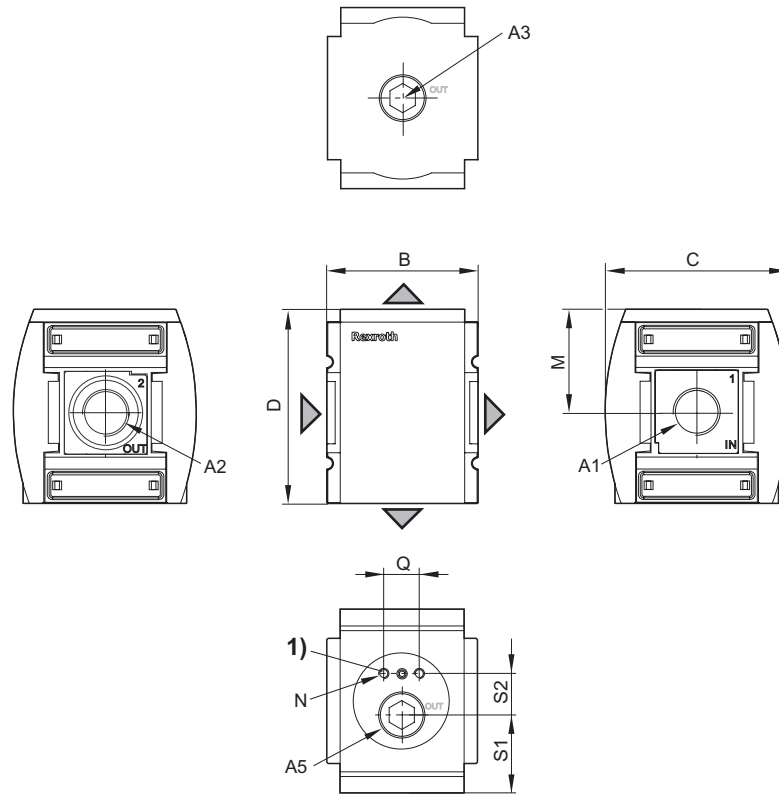
	Port	Qn			Weight	Part No.
		1►2	1►3	1►5		
		[l/min]			[kg]	
	G 3/4					<b>R412009250</b>
	G 1	18000	8500	12000	0.648	<b>R412009251</b>

Nominal flow Qn at 6.3 bar and Δp = 1 bar.

## Preparation of compressed air → Maintenance units and components

**Distributor, Series AS5-DIS**

► G 3/4 - G 1 ► Distributor 2x ► ATEX certified

**Dimensions**

00119839

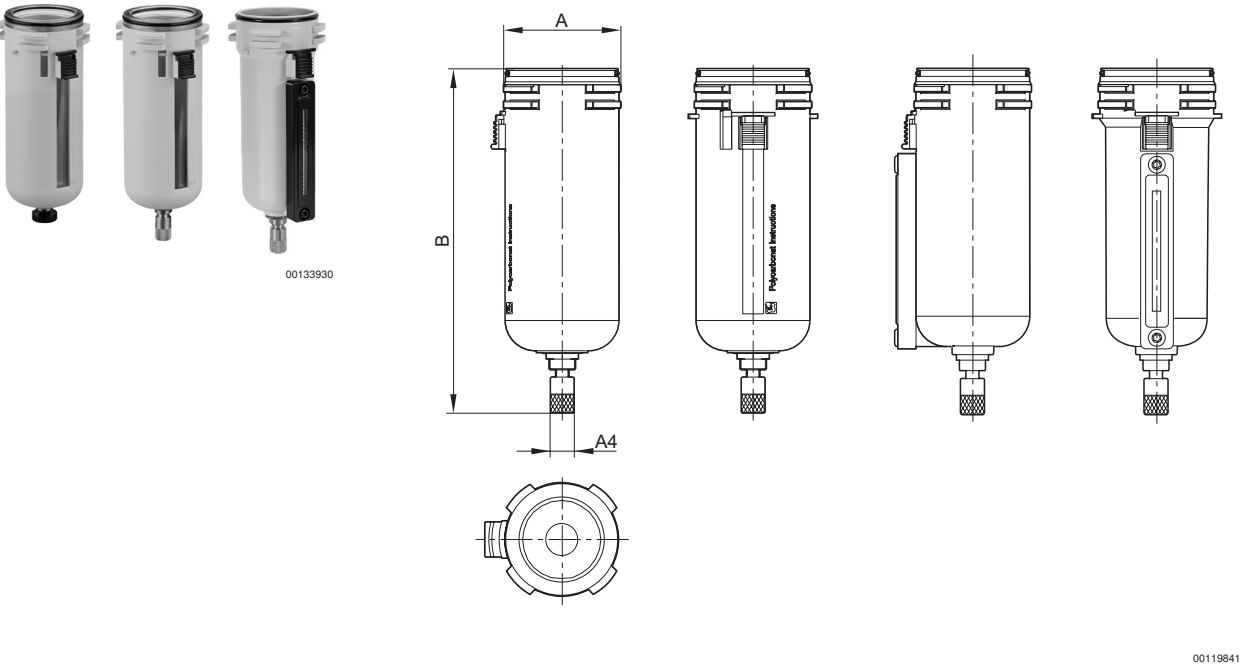
1) Mounting thread for pressure sensor

A1	A2	A3	A5	B	C	D	M	N	Q	S1	S2		
G 3/4	G 3/4	G 3/4	G 3/4	85	103	109	58	M5	20	44.5	15		
G 1	G 1	G 3/4	G 3/4	85	103	109	58	M5	20	44.5	15		

Preparation of compressed air → Maintenance units and components

Series AS5
Accessories

Reservoir, Series AS5-CLS/ -CLP/ -CLC
► for filters, pre-filters and microfilters



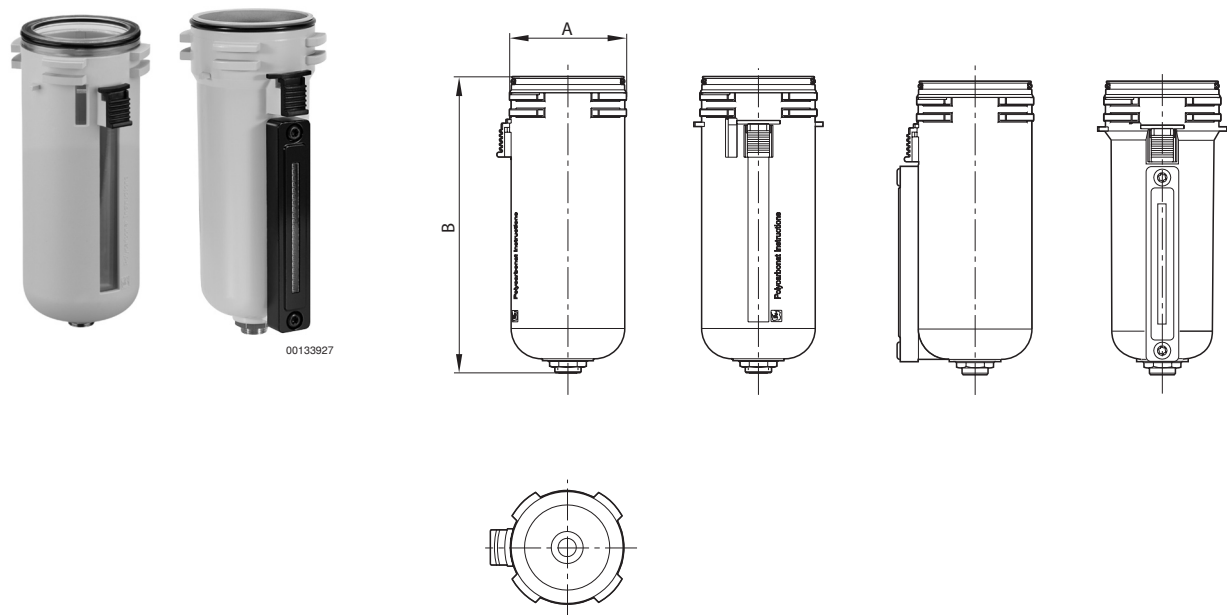
Condensate drain	Reservoir	Protective guard	Weight [kg]	Note	Part No.
semi-automatic, open without pressure	Polycarbonate	Polyamide	0.086	Fig. 1	R412009338
fully automatic, open without pressure	Polycarbonate	Polyamide	0.116	Fig. 2	R412009339
fully automatic, closed without pressure	Polycarbonate	Polyamide	0.116	Fig. 2	R412009340
semi-automatic, open without pressure	Die cast zinc with window	-	0.68	Fig. 1	R412009344
fully automatic, open without pressure	Die cast zinc with window	-	0.74	Fig. 2	R412009345
fully automatic, closed without pressure	Die cast zinc with window	-	0.74	Fig. 2	R412009346

Part No.	A	B	C									
<b>R412009338</b>	60	165.3	64.7									
R412009344	60	165.3	64.7									

Part No.	A4	A	B									
<b>R412009339</b>	G 1/8	60	182									
R412009340	G 1/8	60	182									
R412009345	G 1/8	60	182									
R412009346	G 1/8	60	182									

Series AS5  
Accessories

Reservoir, Series AS5-CLA  
► for active carbon filter



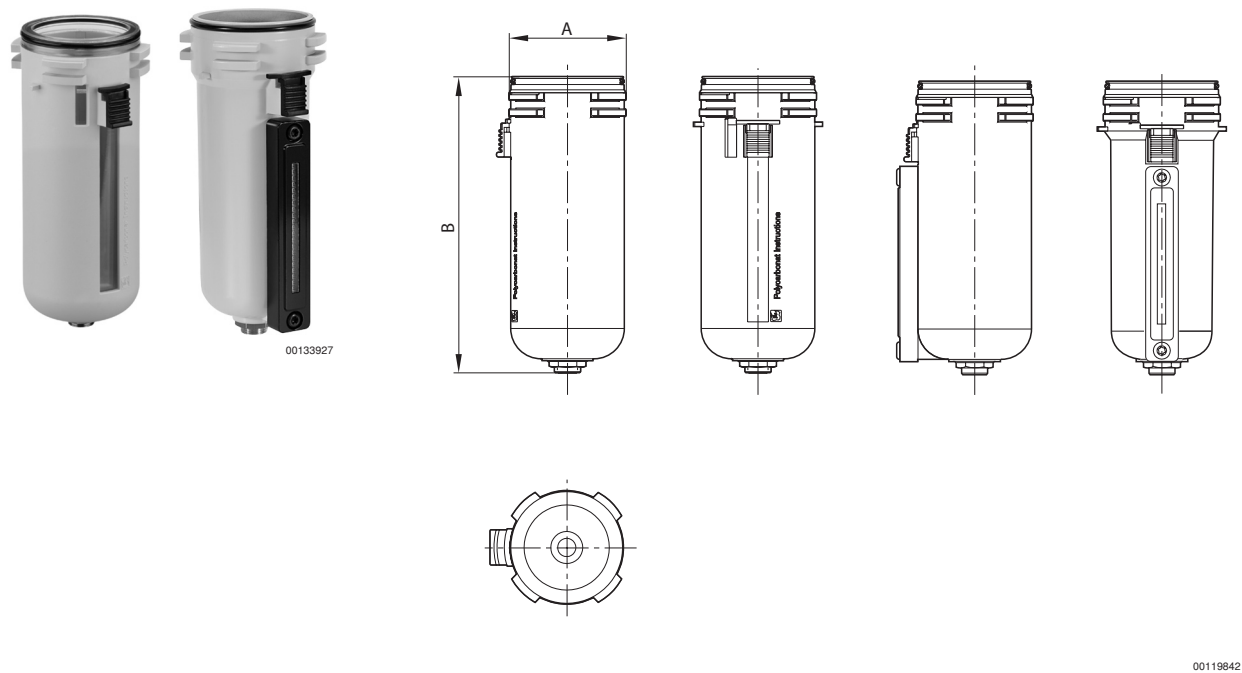
00119942

Reservoir	Protective guard	Weight [kg]	Part No.
Polycarbonate	Polyamide	0.086	R412009347
Die cast zinc with window	-	0.77	R412009349

Part No.	A	B										
R412009347	60	157.5										
R412009349	60	157.5										

Series AS5  
Accessories

Reservoir, Series AS5-CBS  
► for lubricator



Electrical level detection	Reservoir	Protective guard	Weight	Part No.
			[kg]	
with external query	Polycarbonate	Polyamide	0.086	R412009351
-	Polycarbonate	Polyamide	0.335	<b>R412009352</b>
-	Die cast zinc with window	-	0.68	R412009358

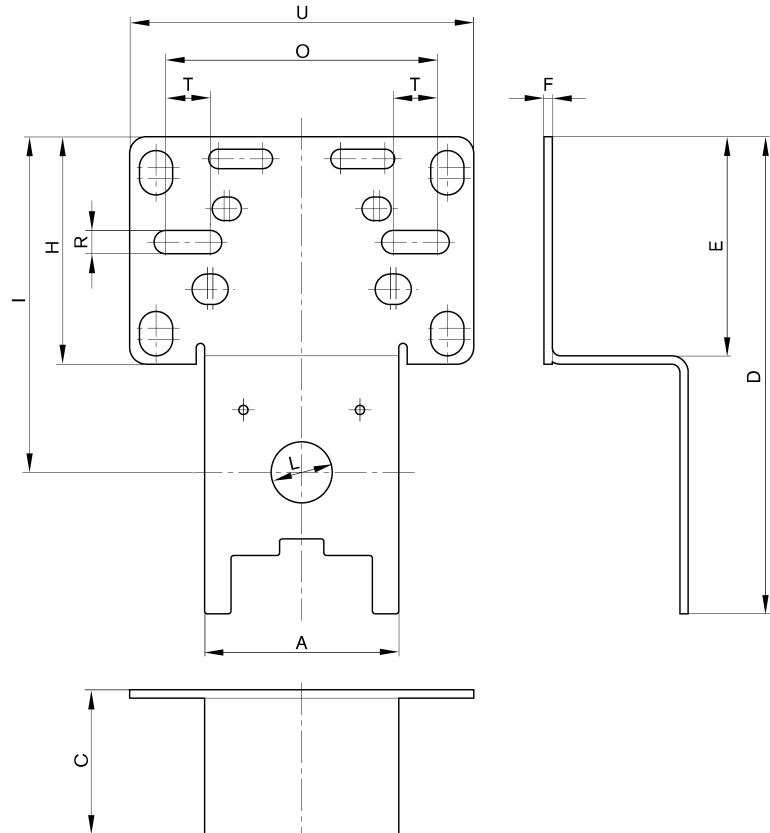
Part No.	A	B										
R412009351	60	154.8										
<b>R412009352</b>	60	154.8										
R412009358	60	154.8										

## Preparation of compressed air → Maintenance units and components

**Series AS5**  
 Accessories

**Mounting plate, Series AS5-MBR-...-W01**


00119815



00127636

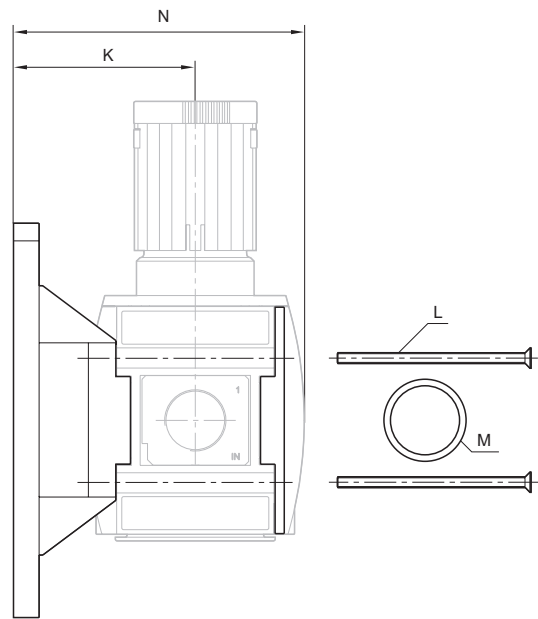
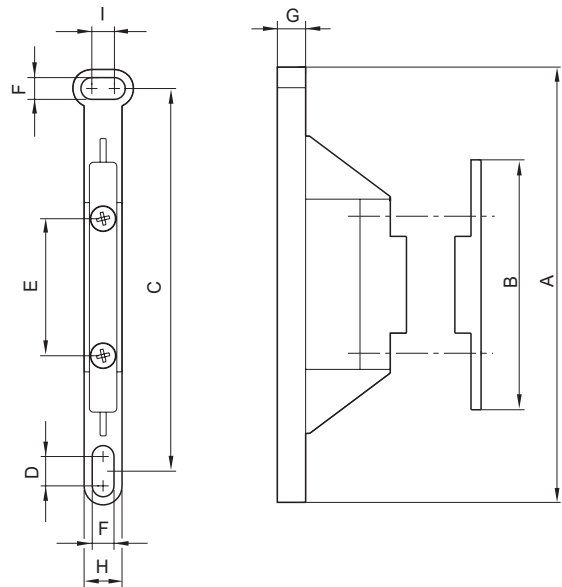
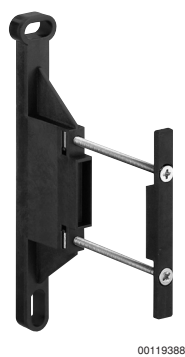
Part No.	A	C	D	E	F	H	I	L	O	R	T	U
<b>R412009368</b>	70	52	172	79	3	82	121	22	98	7	16	124
Part No.	Material	Material Seal	Weight [kg]									
<b>R412009368</b>	Steel	Acrylonitrile Butadiene Rubber	0.394									

Scope of delivery incl. 2 mounting screws 3x10 (Torx 10 IP) DIN EN ISO 10664

Preparation of compressed air → Maintenance units and components

Series AS5  
Accessories

Mounting clip, Series AS5-MBR-...-W03



00127750

Part No.	A	B	C	D	E	F	G	H	I	K	L
<b>R412009370</b>	162	102	135	10	57	8.5	10	17.5	10	87	M6x90
Part No.	M	N	Material	Material Seal	Weight [kg]						
<b>R412009370</b>	37x2,3	138.5	Polyamide	Acrylonitrile Butadiene Rubber	0.12						

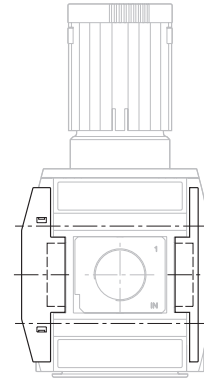
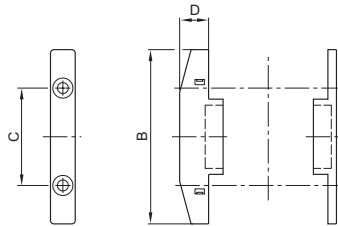
Scope of delivery incl. 2 mounting screws M6x90-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 1x O-ring



## Preparation of compressed air → Maintenance units and components

**Series AS5**  
**Accessories**
**Block assembly kit, Series AS5-MBR-...-W04**


00119817



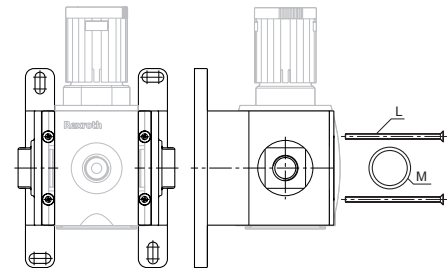
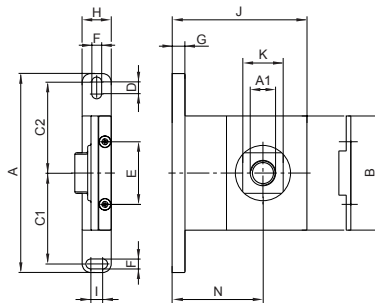
00127748

Part No.	B	C	D	L	M	Material	Material Seal	Weight [kg]
<b>R412009371</b>	102	57	17	M6x90	37x2,3	Polyamide	Acrylonitrile Butadiene Rubber	0.075

Scope of delivery incl. 2 mounting screws M6x90-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 1x O-ring

**Block assembly kit, Series AS5-MBR-...-W05**


00119818



00127749

Part No.	A1	A	B	C1	C2	D	E	F	G	H	I	J
<b>R412009366</b>	G 3/4	160	102	72.5	72.5	10	57	8.4	10	30	10	127
<b>R412009367</b>	G 1	160	102	72.5	72.5	10	57	8.4	10	30	10	127

Part No.	K	L	M	N	Material	Material Seal	Weight [kg]
<b>R412009366</b>	41	M6x90	37x2,3	87	Die cast zinc	Acrylonitrile Butadiene Rubber	0.68
<b>R412009367</b>	41	M6x90	37x2,3	87	Die cast zinc	Acrylonitrile Butadiene Rubber	0.68

Scope of delivery incl. 4 mounting screws M6x90-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 2x O-ring

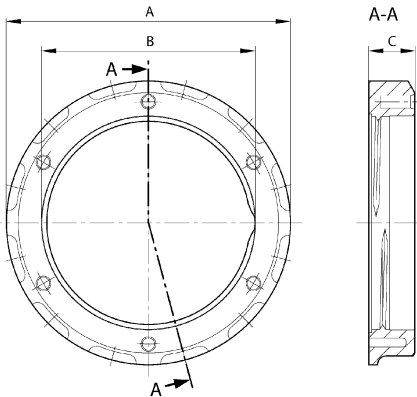
Preparation of compressed air → Maintenance units and components

Series AS5  
Accessories

Panel nut



00124065



00123311

Part No.	usage Series	A	B	C	Material	Weight [kg]			
1829234071	NL4	Ø 64	M50x1,5	7.5	Plastic	0.009			

Pressure gauges, Series PG1 - SAS

► Front port ► Background color: Black ► Scale color: White / Grey ► Viewing window: Polystyrene ► ATEX certified



00123444

ATEX  
Version  
Standardization  
Main scale unit (outside)  
Secondary scale unit (inside)  
Ambient temperature min./max.  
Medium  
Pointer color  
Main scale color (outside)  
Secondary scale color (inside)  
Class


Materials:  
Housing  
Thread  
Viewing window  
Seal

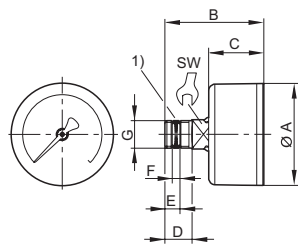
II 2G2D T4 X  
Bourdon tube pressure gauge  
EN 837-1  
bar  
psi  
-40 °C / +60 °C  
Compressed air  
White  
White  
Grey  
2,5

Acrylonitrile butadiene styrene  
Brass  
Polystyrene  
Polytetrafluorethylene

## Preparation of compressed air → Maintenance units and components

**Series AS5**  
**Accessories**

	Compressed air connection	Nominal diameter	Application	Display range	Operating pressure	Scale value	Weight	Part No.
		[mm]	[bar]	[bar]	[bar]		[kg]	
	G 1/4	50	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.09	<b>R412004413</b>
	G 1/4	50	0 - 2	0 - 2.5	0 / 2.5	0.1	0.09	<b>R412004414</b>
	G 1/4	50	0 - 3.2	0 - 4	0 / 4	0.1	0.09	<b>R412004415</b>
	G 1/4	50	0 - 4	0 - 6	0 / 6	0.2	0.09	<b>R412004416</b>
	G 1/4	50	0 - 8	0 - 10	0 / 10	0.2	0.09	<b>R412004417</b>
	G 1/4	50	0 - 12	0 - 16	0 / 16	0.5	0.09	<b>R412004418</b>
	G 1/4	63	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.1	R412004419
	G 1/4	63	0 - 2	0 - 2.5	0 / 2.5	0.1	0.1	R412004420
	G 1/4	63	0 - 3.2	0 - 4	0 / 4	0.1	0.1	R412004421
	G 1/4	63	0 - 4	0 - 6	0 / 6	0.2	0.1	R412004422
	G 1/4	63	0 - 8	0 - 10	0 / 10	0.2	0.1	<b>R412004423</b>
	G 1/4	63	0 - 12	0 - 16	0 / 16	0.5	0.1	<b>R412004424</b>
	G 1/4	40	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.08	R412004407
	G 1/4	40	0 - 2	0 - 2.5	0 / 2.5	0.1	0.08	<b>R412004408</b>
	G 1/4	40	0 - 3.2	0 - 4	0 / 4	0.1	0.08	<b>R412004409</b>
	G 1/4	40	0 - 4	0 - 6	0 / 6	0.2	0.08	R412004410
	G 1/4	40	0 - 8	0 - 10	0 / 10	0.2	0.08	<b>R412004411</b>
	G 1/4	40	0 - 12	0 - 16	0 / 16	0.5	0.08	<b>R412004412</b>
	G 1/4	50	0 - 20	0 - 25	0 / 25	1	0.09	<b>R412007898</b>
	G 1/8	40	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.08	<b>R412003853</b>
	G 1/8	40	0 - 2	0 - 2.5	0 / 2.5	0.1	0.08	<b>R412003854</b>
	G 1/8	40	0 - 3.2	0 - 4	0 / 4	0.1	0.08	<b>R412003855</b>
	G 1/8	40	0 - 4	0 - 6	0 / 6	0.2	0.08	<b>R412003856</b>
	G 1/8	40	0 - 8	0 - 10	0 / 10	0.2	0.08	<b>R412003857</b>
	G 1/8	40	0 - 12	0 - 16	0 / 16	0.5	0.08	<b>R412003858</b>

**Dimensions**


00119457

Compressed air connection G	Nominal diameter	Ø A	B	C	D	E	F 1)	SW				
G 1/4	50	49	47.5	26.5	13	7.2	3.7	14				
G 1/4	63	62	47	29	13	7.2	3.7	14				
G 1/4	40	39	47.5	26.5	13	7.2	3.7	14				
G 1/8	40	39	44.5	26.5	10	5.6	2.1	14				

1) Gasket thread

Preparation of compressed air → Maintenance units and components

Series AS5
Accessories

Pressure gauges, Series PG1-SAS-ADJ

- Front port ► with adjustable work area display ► Background color: Black ► Scale color: White / Grey
- Viewing window: Polystyrene ► ATEX certified



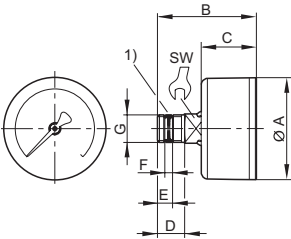
00131412

ATEX	II 2G2D T4 X
Version	Bourdon tube pressure gauge
Standardization	EN 837-1
Main scale unit (outside)	bar
Secondary scale unit (inside)	psi
Ambient temperature min./max.	-40 °C / +60 °C
Medium	Compressed air
Work area	adjustable work area display
Pointer color	White
Main scale color (outside)	White
Secondary scale color (inside)	Grey
Work Area Display, Color	Red / Green
Class	2,5

Materials:	
Housing	Acrylonitrile butadiene styrene
Thread	Brass
Viewing window	Polystyrene
Seal	Polytetrafluorethylene

	Compressed air connection	Nominal diameter	Application	Display range	Operating pressure	Scale value	Weight	Part No.
		[mm]	[bar]	[bar]	[bar]		[kg]	
	G 1/4	50	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.1	R412007867
			0 - 2	0 - 2.5	0 / 2.5	0.1		<b>R412007868</b>
			0 - 3.2	0 - 4	0 / 4	0.1		<b>R412007869</b>
			0 - 4	0 - 6	0 / 6	0.2		<b>R412007870</b>
			0 - 8	0 - 10	0 / 10	0.2		<b>R412007871</b>
			0 - 12	0 - 16	0 / 16	0.5		<b>R412007872</b>

Dimensions



00119457

1) Gasket thread

## Preparation of compressed air → Maintenance units and components

## Series AS5

### Accessories

Compressed air connection G	Nominal diameter	Ø A	B	C	D	E	F	SW				
G 1/4	50	49	47.5	26.5	13	7.2	3.7	14				

## Pressure gauges, Series PG1 - DIM

► for differential pressure measurement for prefilters and microfilters ► flange version ► Background color: White ► Scale color: Black ► Viewing window: Polystyrene ► ATEX certified



00106963

ATEX  
Version  
Main scale unit (outside)  
Ambient temperature min./max.  
Medium  
Pointer color  
Main scale color (outside)  
Color for differential pressure range

II 2G2D T4 X  
Diaphragm pressure gauge  
bar  
-10°C / +50°C  
Compressed air  
Black  
Black  
Green / Red

Materials:  
Housing  
Viewing window  
Seal

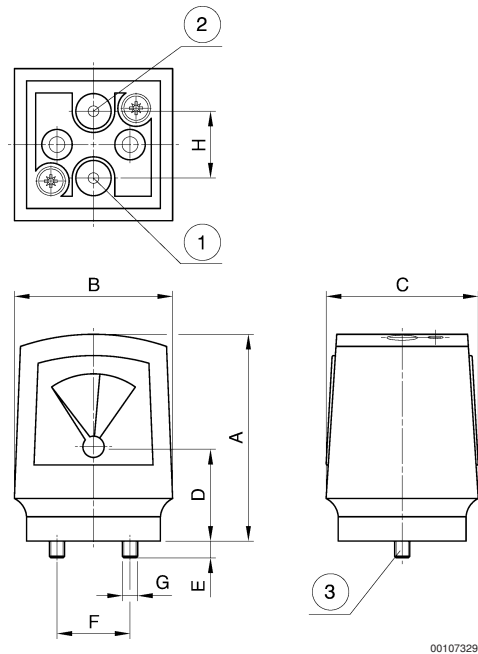
Polyamide, fiber-glass reinforced  
Polystyrene  
Acrylonitrile butadiene styrene

	Application	Display range	Operating pressure	Scale value	Weight	Part No.
	[bar]	[bar]	[bar]		[kg]	
	0 - 0.5	0 - 0.5	0 / 16	0.1	0.104	1827231072

Preparation of compressed air → Maintenance units and components

Series AS5
Accessories

Dimensions



00107329

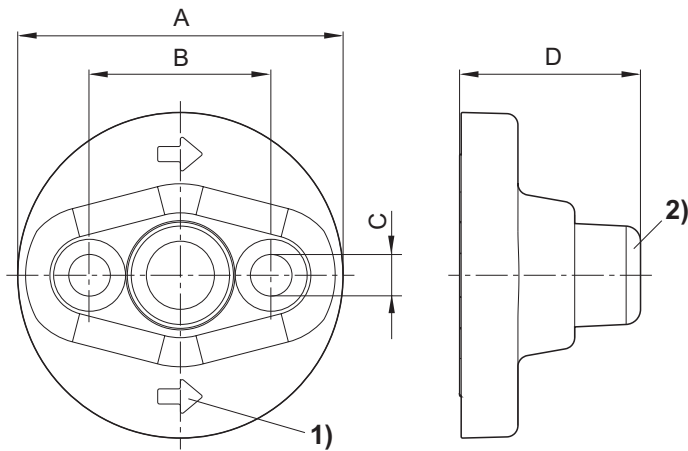
- 1) Input pressure p1
- 2) Output pressure p2
- 3) Mounting screw and 2 O-rings included in scope of delivery

A	B	C	E	F	G	H								
68	52	50	5.5	24	M5	22								

contamination display, Series AS2, AS3, AS5
► for prefilters and microfilters



00124003



00123310

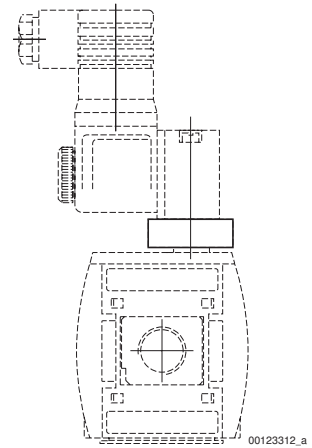
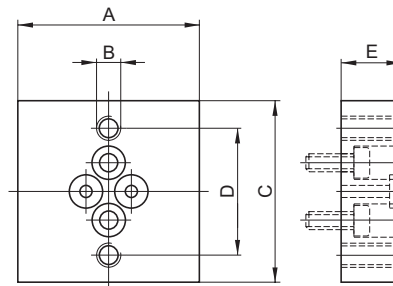
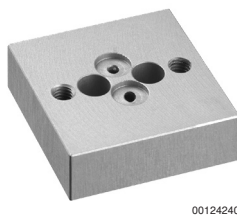
- 1) Flow direction
- 2) Display in initial state: green (=  $\Delta p < 0.35$  bar)  
Display turns red on contamination of the filter element (=  $\Delta p \geq 0.35$  bar).

## Preparation of compressed air → Maintenance units and components

**Series AS5**  
 Accessories

Part No.	A	B	C	D	Material	Weight [kg]					
<b>R412006363</b>	43	24	5.5	24	Polyamide	0.025					

2 mounting screws and 2 O-rings supplied loose

**Transition plate, Series AS2, AS3, AS5**  
 ► with CNOMO porting configuration


Part No.	A	B	C	D	E	Material	Weight [kg]				
<b>R412006360</b>	30	M4	30	21	10	Aluminum	0.025				

Scope of delivery incl. 4 mounting screws, 2 O-rings

Adapter plate for assembling a series DO30 pilot valve with CNOMO porting configuration on a 3/2-way shut-off valve without pilot

**Blanking screw**  
 ► G 1/8 - G 1/4

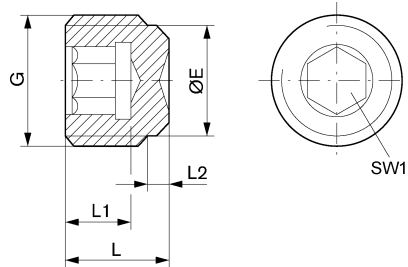

Ambient temperature min./max.  
Working pressure min./max.

-20°C / +80°C  
0 bar / 16 bar

Preparation of compressed air → Maintenance units and components

Series AS5  
Accessories

Dimensions



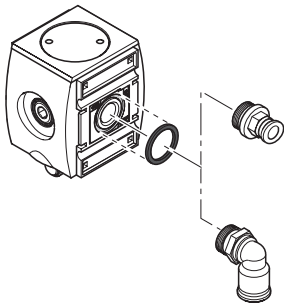
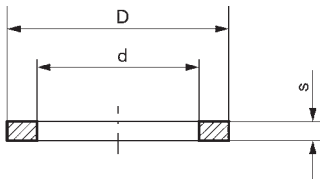
00107920

Part No.	Port G	Ø E	L	L1	L2	SW1	Delivery quantity [Piece]	Type / version			
<b>1823462003</b>	G 1/4	11	11	7	3.5	6	10	FPT-S-RIO			

Sealing ring  
► Acrylonitrile butadiene styrene



00127841



00135377

Part No.	usage Series	Type	d	D	s	Delivery quantity [Piece]	Working pressure min./max. [bar]
R412010148	AS2	For compressed air connection G 3/8	17.9	22.5	1.5	10	-0.95 / 16
R412010149	AS3	For compressed air connection G 1/2	22.4	26.4	1.5	10	-0.95 / 16
R412010150	AS5	For compressed air connection G 1	36.9	41.9	1.8	10	-0.95 / 16



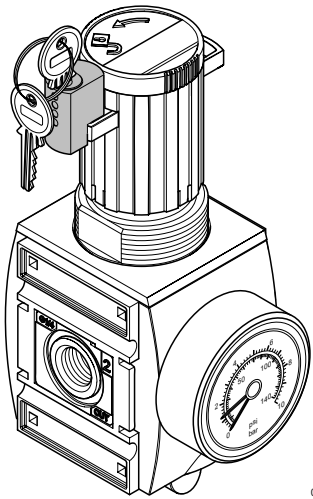
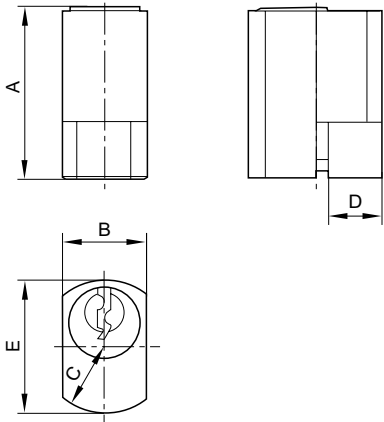
Preparation of compressed air → Maintenance units and components

Series AS5  
Accessories

Part No.	Ambient temperature min./max. [C°]										
R412010148	-10 / +60										
R412010149	-10 / +60										
R412010150	-10 / +60										

For inserting into the O-ring groove when using series QR1 and QR2 fittings.

mortise lock  
► for series AS2, AS3, AS5, With standard and E11 locking



Part No.	Type	A	B	C	D	E	Material
R412007959	Standard locking, with key	25	13	R10	Ø8	20	Steel
R412006374	E11 locking, without key	25	13	R10	Ø8	20	Steel

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