

Preparation of compressed air ► Maintenance units and components

Series AS2

Brochure



Series AS2
Maintenance units


Maintenance unit, 2-part, Series AS2-ACD
 ► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge
 ► suitable for ATEX

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Maintenance unit, 3-part, Series AS2-ACT
 ► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge
 ► suitable for ATEX

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Pressure regulators, air supply on the left


Pressure regulator, Series AS2-RGS
 ► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

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Pressure regulator, Series AS2-RGS-...-E11
 ► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

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Pressure regulator, Series AS2-RGS-...-DS
 ► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable ► for padlocks ► suitable for ATEX

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Precision pressure regulator, Series AS2-RGP
 ► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

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Precision pressure regulator, Series AS2-RGP-...-E11
 ► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

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Precision pressure regulator, Series AS2-RGP-...-DS
 ► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable ► suitable for ATEX

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Pressure regulator, Series AS2-RGS
 ► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically

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Filter pressure regulators, air supply on the left

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Filling valve, pneumatically operated, Series AS2-SSV
► G 1/4 - G 3/8 ► suitable for ATEX

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Filling valve, pneumatically operated, Series AS2-SSV
► adjustable filling time and change-over pressure ► G 1/4

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Filling unit, pneumatically operated, Series AS2-SSV
► Poppet valve with elect. priority circuit ► G 1/4

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3/2-directional valve, electrically operated, Series AS2-SOV
► G 1/4 - G 3/8 ► pipe connection ► ATEX optional

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3/2-directional valve, pneumatically operated, Series AS2-SOV
► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

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Maintenance unit, 2-part, Series AS2-ACD

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX



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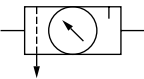
Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 8 bar
Pressure supply	single
Filter reservoir volume	28 cm³
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	40 cm³
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)
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- Oil dosing at 1000 l/min [drops/min]: 1-2

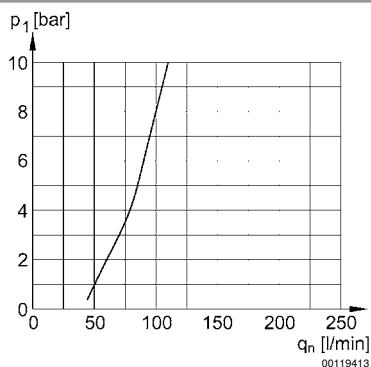
Maintenance unit, 2-part, Series AS2-ACD

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

	Port	Qn	Working pressure min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]		[kg]		
	G 1/4	1800	2 / 16	semi-automatic, open without pressure	0.633	1); 3)	R412006298
	G 1/4	1800	2 / 16	semi-automatic, open without pressure	0.633	2)	R412006304
	G 1/4	1800	2 / 16	fully automatic, open without pressure	0.676	1); 3)	R412006299
	G 1/4	1800	2 / 16	fully automatic, open without pressure	0.676	2)	R412006305
	G 1/4	1800	0 / 16	fully automatic, closed without pressure	0.676	1); 3)	R412006300
	G 1/4	1800	0 / 16	fully automatic, closed without pressure	0.676	2)	R412006306
	G 3/8	2000	2 / 16	semi-automatic, open without pressure	0.633	1); 3)	R412006307
	G 3/8	2000	2 / 16	fully automatic, open without pressure	0.676	1); 3)	R412006308
	G 3/8	2000	0 / 16	fully automatic, closed without pressure	0.676	1); 3)	R412006309
	G 3/8	2000	2 / 16	semi-automatic, open without pressure	0.633	2)	R412006313
	G 3/8	2000	2 / 16	fully automatic, open without pressure	0.676	2)	R412006314
	G 3/8	2000	0 / 16	fully automatic, closed without pressure	0.676	2)	R412006315

1) Reservoir: Polycarbonate
 2) Reservoir: Die cast zinc
 3) Protective guard: Polyamide
 Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Lubricator activation margin



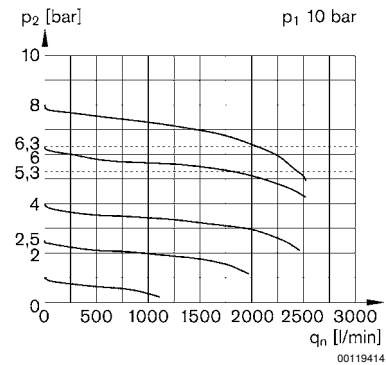
p1 = working pressure
 qn = nominal flow

Preparation of compressed air ► Maintenance units and components

Maintenance unit, 2-part, Series AS2-ACD

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

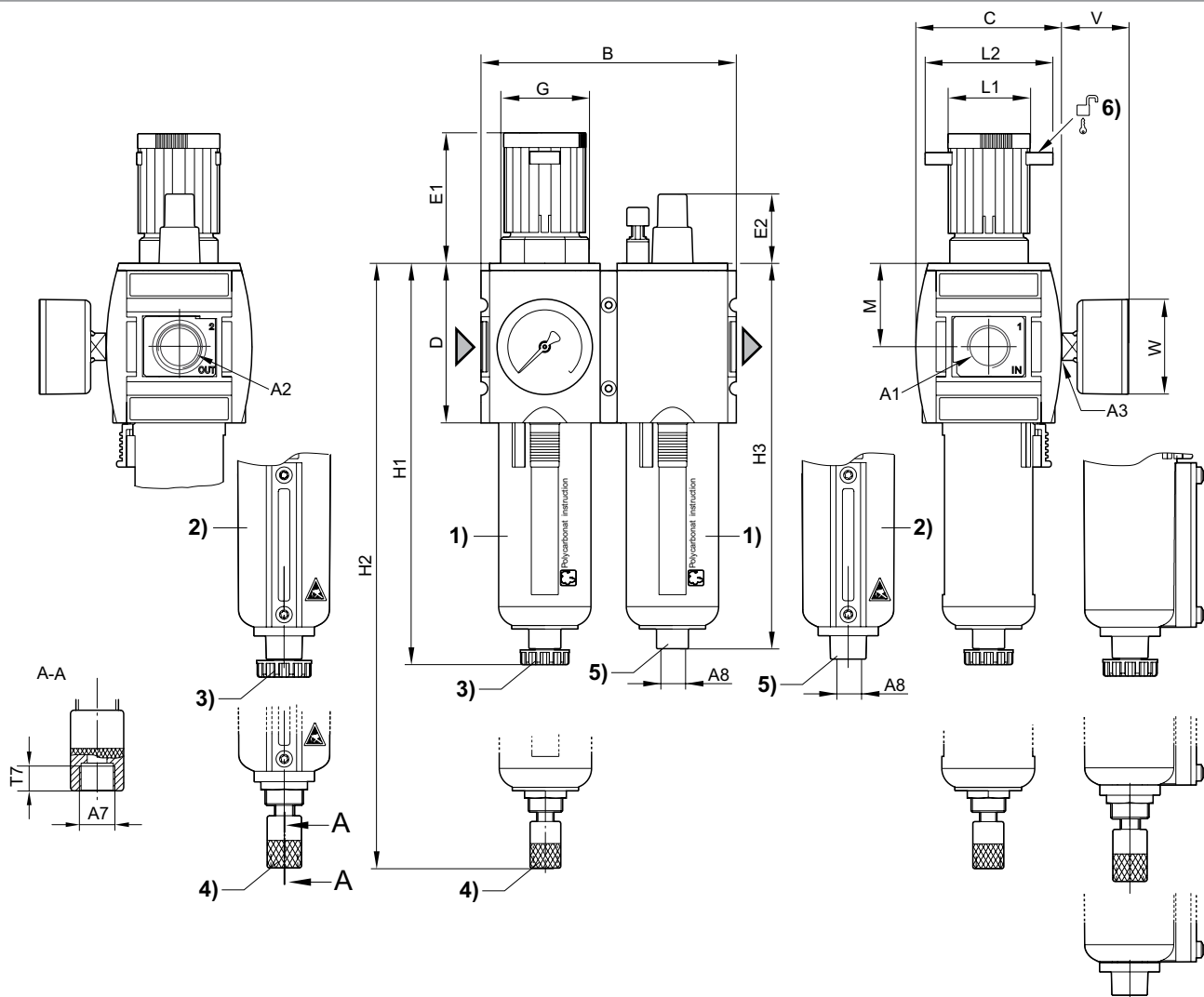
Flow rate characteristic (p2: 0,5 - 8 bar)



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Maintenance unit, 2-part, Series AS2-ACD

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

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) Port for semi-automatic oil filling
 6) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2
G 1/4	G 1/4	G 1/4	G 1/8	G 1/8	104	59	65	57.9	29.5	M36x1,5	163.5	180.5
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	104	59	65	57.9	29.5	M36x1,5	163.5	180.5

A1	H3	M	L1	L2	T7	V	W					
G 1/4	157	34	34	54	8.5	37	50					
G 3/8	157	34	34	54	8.5	37	50					

Preparation of compressed air ► Maintenance units and components
Maintenance unit, 3-part, Series AS2-ACT
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX


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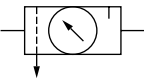
Version	3-part, Can be assembled into blocks
Parts	Filter, Pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 8 bar
Pressure supply	single
Filter reservoir volume	28 cm³
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	40 cm³
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)
Materials:	
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Filter insert	Polyethylene

Technical Remarks

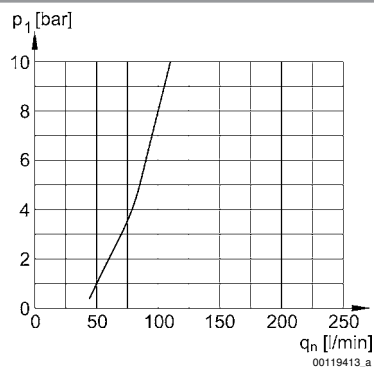
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- Oil dosing at 1000 l/min [drops/min]: 1-2

Maintenance unit, 3-part, Series AS2-ACT

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

	Port	Qn	Working pressure min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]		[kg]		
	G 1/4	1400	2 / 16	semi-automatic, open without pressure	0.78	1); 3)	R412006318
	G 1/4	1400	2 / 16	semi-automatic, open without pressure	0.78	2)	R412006324
	G 1/4	1400	2 / 16	fully automatic, open without pressure	0.825	1); 3)	R412006319
	G 1/4	1400	2 / 16	fully automatic, open without pressure	0.825	2)	R412006325
	G 1/4	1400	0 / 16	fully automatic, closed without pressure	0.825	1); 3)	R412006320
	G 1/4	1400	0 / 16	fully automatic, closed without pressure	0.825	2)	R412006326
	G 3/8	1600	2 / 16	semi-automatic, open without pressure	0.78	1); 3)	R412006327
	G 3/8	1600	2 / 16	semi-automatic, open without pressure	0.78	2)	R412006333
	G 3/8	1600	2 / 16	fully automatic, open without pressure	0.825	1); 3)	R412006328
	G 3/8	1600	2 / 16	fully automatic, open without pressure	0.825	2)	R412006334
	G 3/8	1600	0 / 16	fully automatic, closed without pressure	0.825	1); 3)	R412006329
	G 3/8	1600	0 / 16	fully automatic, closed without pressure	0.825	2)	R412006335

1) Reservoir: Polycarbonate
 2) Reservoir: Die cast zinc
 3) Protective guard: Polyamide
 Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Lubricator activation margin


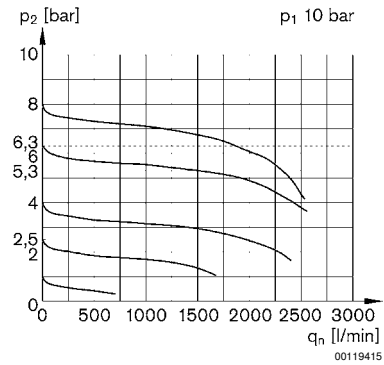
p1 = working pressure
 qn = nominal flow

Preparation of compressed air ► Maintenance units and components

Maintenance unit, 3-part, Series AS2-ACT

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

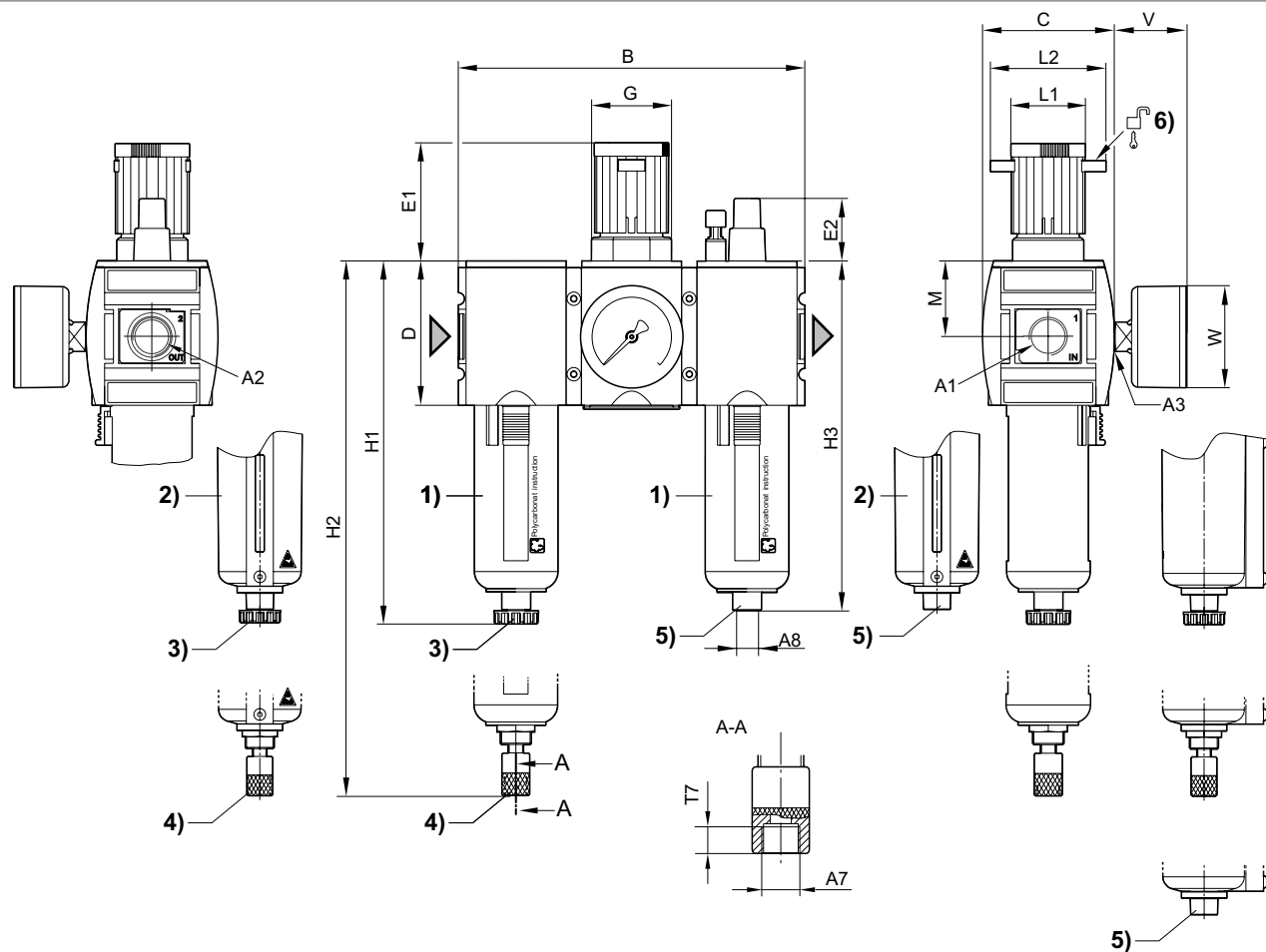
Flow rate characteristic (p₂: 0,5 - 8 bar)



p₁ = Working pressure
p₂ = Secondary pressure
q_n = Nominal flow

Maintenance unit, 3-part, Series AS2-ACT

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

Dimensions


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A1 = input

A2 = output

A3 = pressure gauge connection

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) Port for semi-automatic oil filling

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

A1	A2	A3	A7	A8	B	C	D	E1	E2	G	H1	H2
G 1/4	G 1/4	G 1/4	G 1/8	G 1/8	156	59	65	57.9	29.5	M36x1,5	163.5	180.5
G 3/8	G 3/8	G 1/4	G 1/8	G 1/8	156	59	65	57.9	29.5	M36x1,5	163.5	180.5

A1	H3	M	L1	L2	T7	V	W					
G 1/4	157	34	34	54	8.5	37	50					
G 3/8	157	34	34	54	8.5	37	50					

Preparation of compressed air ► Maintenance units and components

Pressure regulator, Series AS2-RGS

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

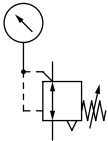


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Mounting orientation	Any
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Materials:	
Housing	Polyamide
Front plate	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.
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
- Suitable for use in Ex zones 1, 2, 21, 22

		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Note	Part No.
			[l/min]	[bar]	[bar]	[kg]		
		G 1/4	2200	0.1 / 16	0.1 - 1	0.32	1)	R412006101
		G 1/4	2200	0.1 / 16	0.1 - 2			R412006103
		G 1/4	2200	0.2 / 16	0.2 - 4			R412006105
		G 1/4	2200	0.5 / 16	0.5 - 8			R412006107
		G 1/4	2200	0.5 / 16	0.5 - 10			R412006109
		G 1/4	2200	0.5 / 16	0.5 - 16			R412006111
		G 3/8	2700	0.1 / 16	0.1 - 1			R412006113
		G 3/8	2700	0.1 / 16	0.1 - 2			R412006115
		G 3/8	2700	0.2 / 16	0.2 - 4			R412006117
		G 3/8	2700	0.5 / 16	0.5 - 8			R412006119
		G 3/8	2700	0.5 / 16	0.5 - 10			R412006121
		G 3/8	2700	0.5 / 16	0.5 - 16			R412006123
1) Pressure gauge enclosed separately 2) Order pressure gauge separately Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar								

Pressure regulator, Series AS2-RGS

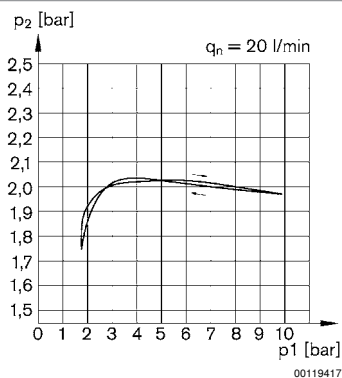
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Note	Part No.
			[l/min]	[bar]	[bar]	[kg]		
		G 1/4	2200	0.1 / 16	0.1 - 1	0.248	2)	R412006100
		G 1/4	2200	0.1 / 16	0.1 - 2			R412006102
		G 1/4	2200	0.2 / 16	0.2 - 4			R412006104
		G 1/4	2200	0.5 / 16	0.5 - 8			R412006106
		G 1/4	2200	0.5 / 16	0.5 - 10			R412006108
		G 1/4	2200	0.5 / 16	0.5 - 16			R412006110
		G 3/8	2700	0.1 / 16	0.1 - 1			R412006112
		G 3/8	2700	0.1 / 16	0.1 - 2			R412006114
		G 3/8	2700	0.2 / 16	0.2 - 4			R412006116
		G 3/8	2700	0.5 / 16	0.5 - 8			R412006118
		G 3/8	2700	0.5 / 16	0.5 - 10			R412006120
		G 3/8	2700	0.5 / 16	0.5 - 16			R412006122

1) Pressure gauge enclosed separately

2) Order pressure gauge separately

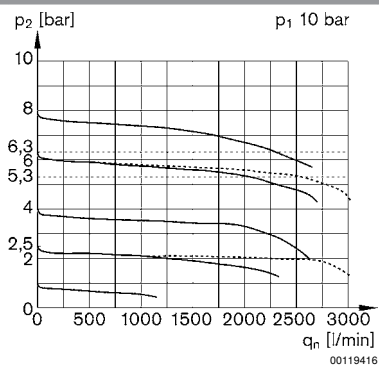
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Pressure characteristics curve


p1 = Working pressure

p2 = Secondary pressure

qn = Nominal flow

Flow rate characteristic (p2: 0,5 - 8 bar)


p1 = Working pressure

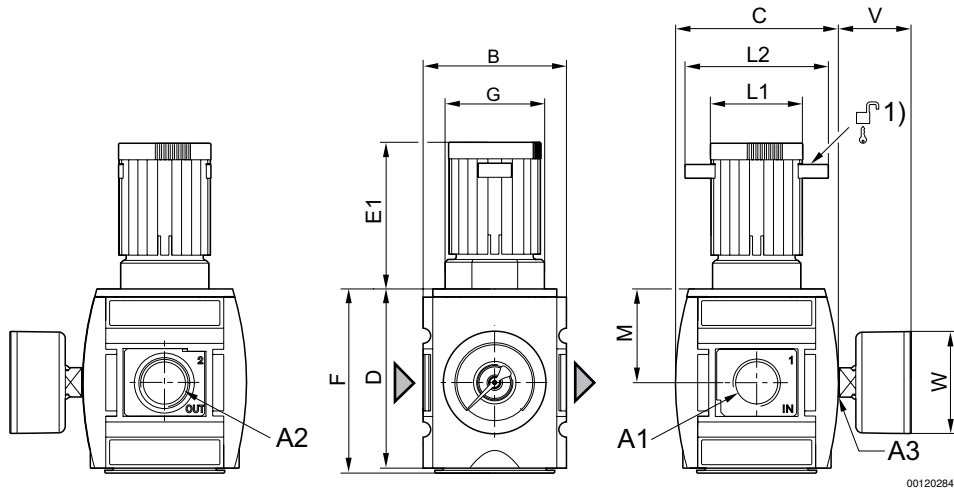
p2 = Secondary pressure

qn = Nominal flow

Pressure regulator, Series AS2-RGS

▶ G 1/4 - G 3/8 ▶ Qn= 2200 - 2700 l/min ▶ Activation: mechanical ▶ lockable ▶ for padlocks ▶ suitable for ATEX

Dimensions



A1 = input
A2 = output
A3 = pressure gauge connection
1) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	B	C	D	E1	F	G	L1	L2	M	V
G 1/4	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34	37
G 3/8	G 3/8	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34	37

A1	W											
G 1/4	50											
G 3/8	50											

Pressure regulator, Series AS2-RGS-...-E11
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking


00015798

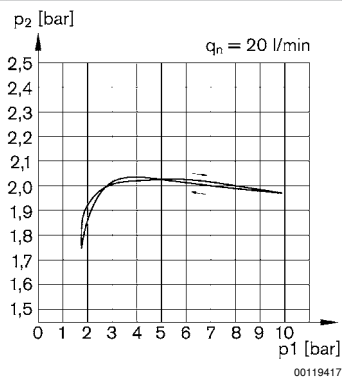
Mounting orientation	Any
Working pressure min./max.	-- / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Pressure supply	single
Materials:	
Housing	Polyamide
Front plate	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.
- The E11 locking is delivered without a key (see accessories for keys).
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

	Port	Qn	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[kg]	
	G 1/4	2200	0.5 - 10	0.248	R412006099

Order pressure gauge separately
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Pressure characteristics curve


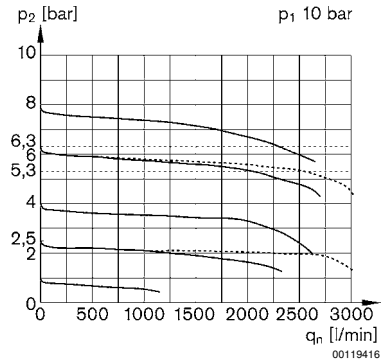
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Preparation of compressed air ► Maintenance units and components

Pressure regulator, Series AS2-RGS-...-E11

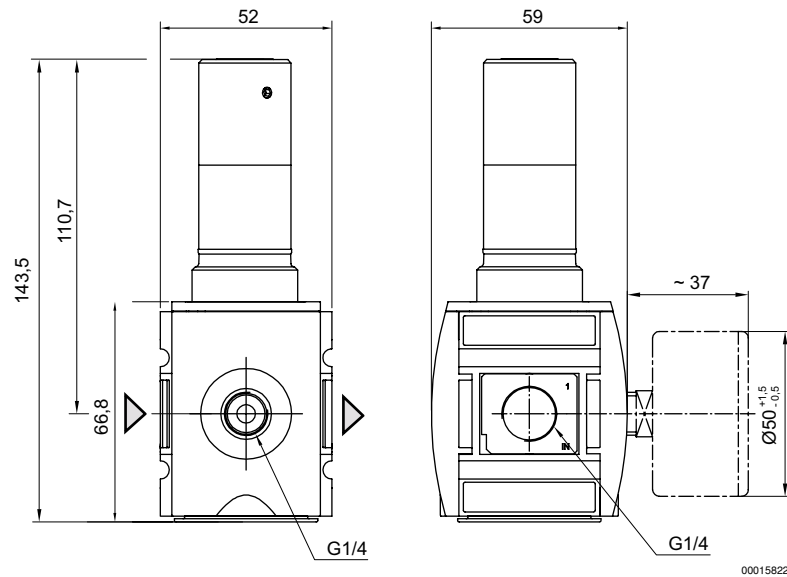
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

Flow rate characteristic (p₂: 0,5 - 8 bar)



p₁ = Working pressure
p₂ = Secondary pressure
q_n = Nominal flow

Dimensions



Order pressure gauge separately

Pressure regulator, Series AS2-RGS-...-DS

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
► for padlocks ► suitable for ATEX



00119367

Mounting orientation	Any
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	double
Materials:	
Housing	Polyamide
Front plate	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.
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
- Suitable for use in Ex zones 1, 2, 21, 22

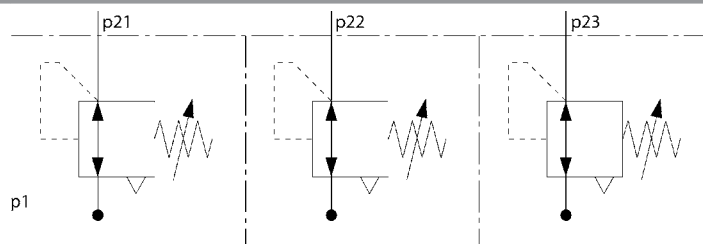
	Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[bar]	[kg]	
	G 1/4	2200	0.1 / 16	0.1 - 1	0.248	R412006124
	G 1/4	2200	0.1 / 16	0.1 - 2		R412006125
	G 1/4	2200	0.2 / 16	0.2 - 4		R412006126
	G 1/4	2200	0.5 / 16	0.5 - 8		R412006127
	G 1/4	2200	0.5 / 16	0.5 - 10		R412006128
	G 1/4	2200	0.5 / 16	0.5 - 16		R412006129
	G 3/8	2700	0.1 / 16	0.1 - 1		R412006130
	G 3/8	2700	0.1 / 16	0.1 - 2		R412006131
	G 3/8	2700	0.2 / 16	0.2 - 4		R412006132
	G 3/8	2700	0.5 / 16	0.5 - 8		R412006133
	G 3/8	2700	0.5 / 16	0.5 - 10		R412006134
	G 3/8	2700	0.5 / 16	0.5 - 16		R412006135

Order pressure gauge separately

Max. pressure gauge Ø in blocked state: 50

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Application example



00108090

p1 = working pressure

p21; p22; p23 = secondary pressure

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

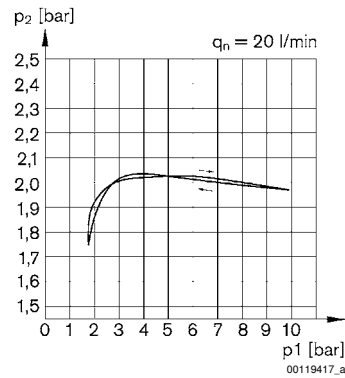
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Preparation of compressed air ► Maintenance units and components

Pressure regulator, Series AS2-RGS-...-DS

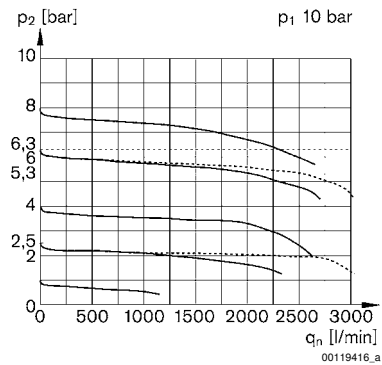
- G 1/4 - G 3/8 ► $Q_n = 2200 - 2700$ l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
- for padlocks ► suitable for ATEX

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

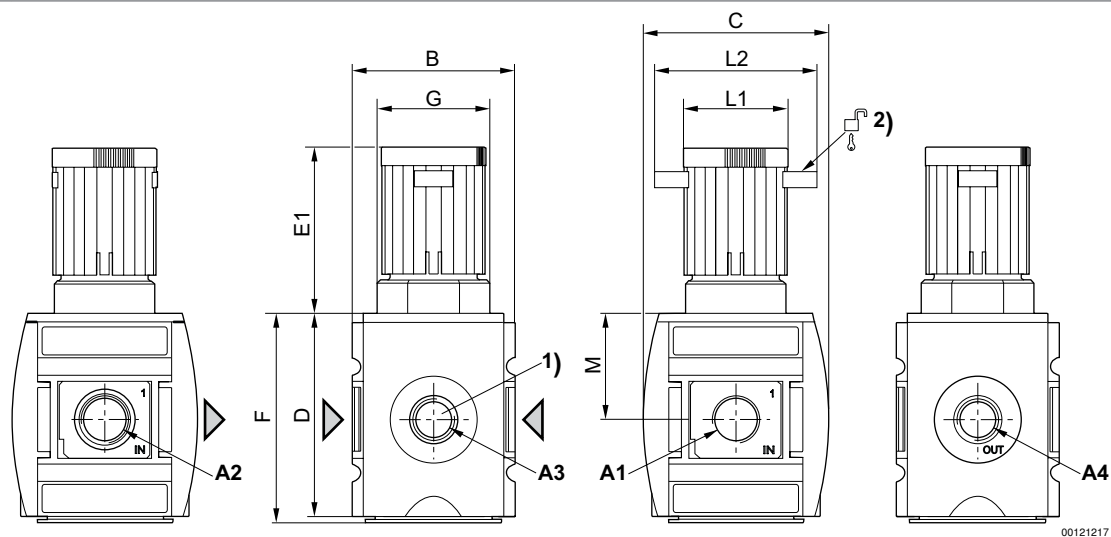
Flow rate characteristic p_2 : 0,5 - 10 bar



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Pressure regulator, Series AS2-RGS-...-DS

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
 ► for padlocks ► suitable for ATEX

Dimensions


1) Pressure gauge connection

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

A1	A2	A3	A4	B	C	D	E1	F	G	L1	L2	M
G 1/4	G 1/4	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34
G 3/8	G 3/8	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34

Preparation of compressed air ► Maintenance units and components

Precision pressure regulator, Series AS2-RGP

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX



00119369

Mounting orientation	Any
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Max. Internal air consumption	2.6 l/min
Materials:	
Housing	Polyamide
Front plate	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.
- Recommended pre-filter: 5 µm
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
- Suitable for use in Ex zones 1, 2, 21, 22

		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Note	Part No.
			[l/min]	[bar]	[bar]	[kg]		
		G 1/4	2200	0.1 / 16	0.1 - 1	0.32	1)	R412006137
		G 1/4	2200	0.1 / 16	0.1 - 2			R412006139
		G 1/4	2200	0.2 / 16	0.2 - 4			R412006141
		G 1/4	2200	0.5 / 16	0.5 - 8			R412006143
		G 1/4	2200	0.5 / 16	0.5 - 10			R412006145
		G 3/8	2700	0.1 / 16	0.1 - 1			R412006149
		G 3/8	2700	0.1 / 16	0.1 - 2			R412006151
		G 3/8	2700	0.2 / 16	0.2 - 4			R412006153
		G 3/8	2700	0.5 / 16	0.5 - 8			R412006155
		G 3/8	2700	0.5 / 16	0.5 - 10			R412006157
		G 1/4	2200	0.1 / 16	0.1 - 1	0.248	2)	R412006136
		G 1/4	2200	0.1 / 16	0.1 - 2			R412006138
		G 1/4	2200	0.2 / 16	0.2 - 4			R412006140
		G 1/4	2200	0.5 / 16	0.5 - 8			R412006142
		G 1/4	2200	0.5 / 16	0.5 - 10			R412006144
		G 3/8	2700	0.1 / 16	0.1 - 1			R412006148
		G 3/8	2700	0.1 / 16	0.1 - 2			R412006150
		G 3/8	2700	0.2 / 16	0.2 - 4			R412006152
		G 3/8	2700	0.5 / 16	0.5 - 8			R412006154
		G 3/8	2700	0.5 / 16	0.5 - 10			R412006156

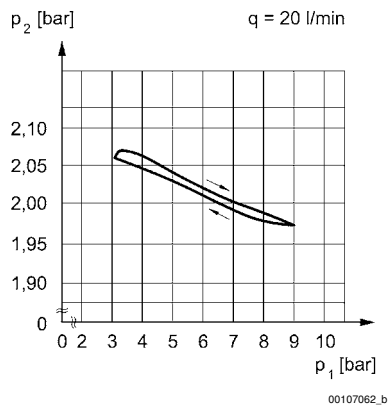
1) Pressure gauge enclosed separately

2) Order pressure gauge separately

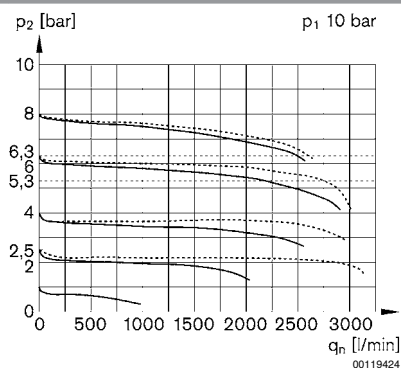
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Precision pressure regulator, Series AS2-RGP

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

Pressure characteristics curve


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

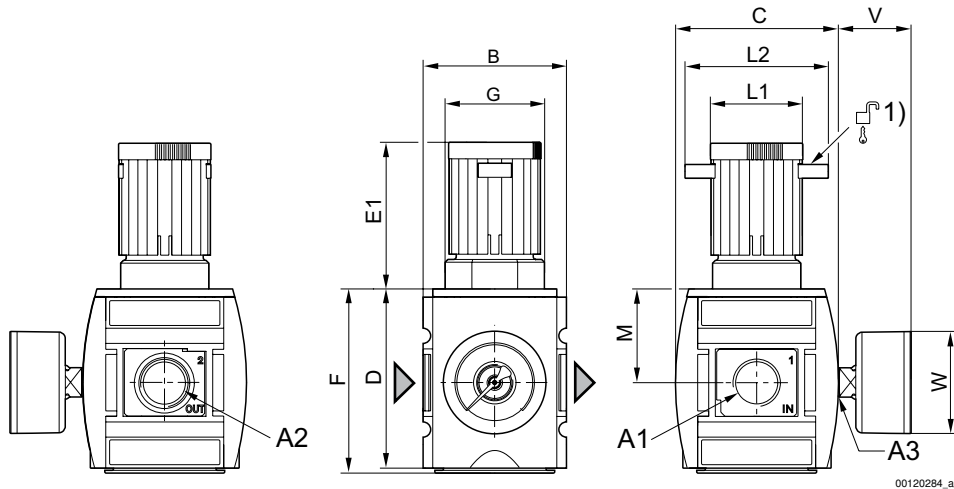
Flow rate characteristic (p_2 : 0,5 - 8 bar)


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Precision pressure regulator, Series AS2-RGP

▶ G 1/4 - G 3/8 ▶ Qn= 2200 - 2700 l/min ▶ Activation: mechanical ▶ lockable ▶ for padlocks ▶ suitable for ATEX

Dimensions



A1 = input
A2 = output
A3 = pressure gauge connection
1) Mounting option for padlocks; max. shackle Ø 8

A1	A2	A3	B	C	D	E1	F	G	L1	L2	M	V
G 1/4	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34	37
G 3/8	G 3/8	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34	37

A1	W											
G 1/4	50											
G 3/8	50											

Precision pressure regulator, Series AS2-RGP-...-E11
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking


00015798

Mounting orientation	Any
Working pressure min./max.	-- / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Pressure supply	single
Max. Internal air consumption	2.6 l/min
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber

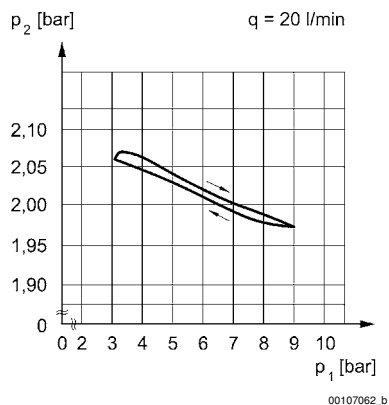
Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Recommended pre-filter: 5 µm
- The E11 locking is delivered without a key (see accessories for keys).
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

	Port	Qn	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[kg]	
	G 1/4	2200	0.2 - 4	0.248	R412006146

Order pressure gauge separately

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Pressure characteristics curve


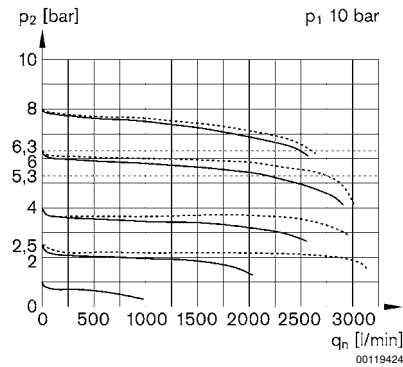
p₁ = Working pressure
p₂ = Secondary pressure
q_n = Nominal flow

Preparation of compressed air ► Maintenance units and components

Precision pressure regulator, Series AS2-RGP-...-E11

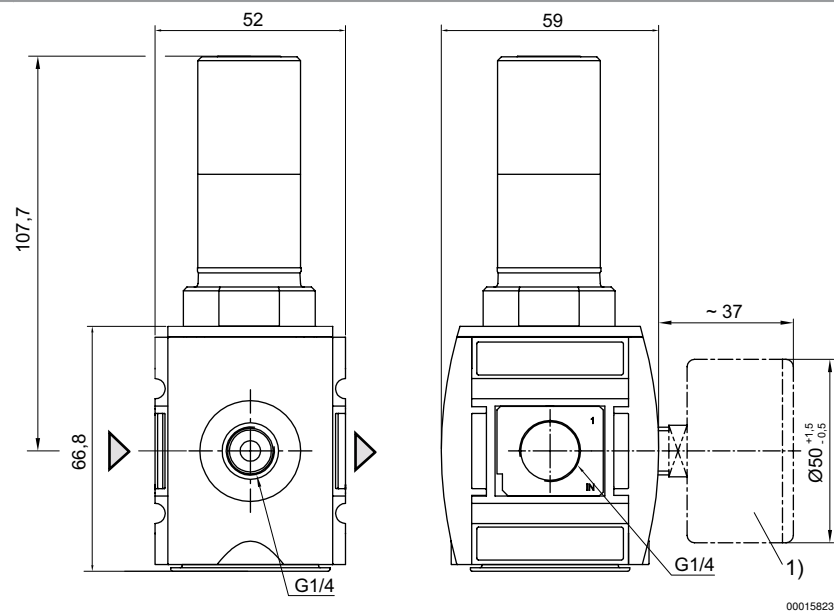
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

Flow rate characteristic (p2: 0,5 - 8 bar)



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



1) Order pressure gauge separately

Precision pressure regulator, Series AS2-RGP-...-DS

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
► suitable for ATEX



00119367

Mounting orientation	Any
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	double
Max. Internal air consumption	2.6 l/min
Materials:	
Housing	Polyamide
Front plate	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.
- Recommended pre-filter: 5 µm
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
- Suitable for use in Ex zones 1, 2, 21, 22

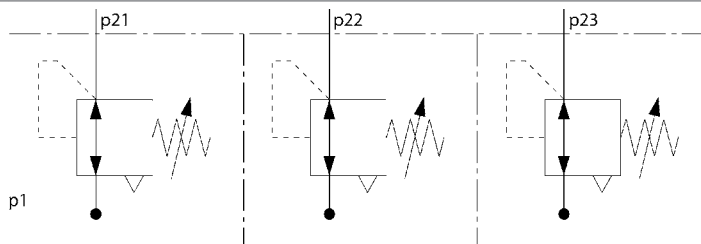
	Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[bar]	[kg]	
	G 1/4	2200	0.1 / 16	0.1 - 1	0.248	R412006160
	G 1/4	2200	0.1 / 16	0.1 - 2		R412006161
	G 1/4	2200	0.2 / 16	0.2 - 4		R412006162
	G 1/4	2200	0.5 / 16	0.5 - 8		R412006163
	G 1/4	2200	0.5 / 16	0.5 - 10		R412006164
	G 3/8	2700	0.1 / 16	0.1 - 1		R412006166
	G 3/8	2700	0.1 / 16	0.1 - 2		R412006167
	G 3/8	2700	0.2 / 16	0.2 - 4		R412006168
	G 3/8	2700	0.5 / 16	0.5 - 8		R412006169
	G 3/8	2700	0.5 / 16	0.5 - 10		R412006170

Order pressure gauge separately

Max. pressure gauge Ø in blocked state: 50

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Application example



00108090

p1 = working pressure

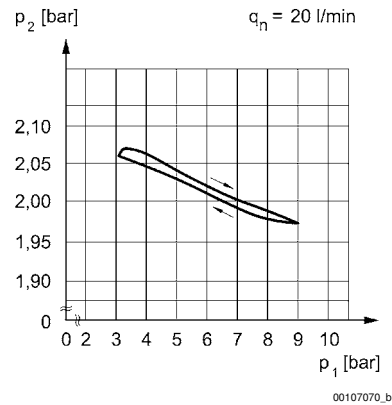
p21; p22; p23 = secondary pressure

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

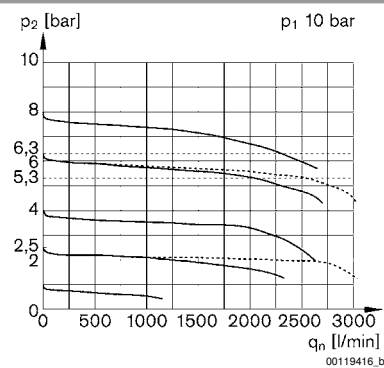
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Preparation of compressed air ► Maintenance units and components
Precision pressure regulator, Series AS2-RGP-...-DS

► G 1/4 - G 3/8 ► $Q_n = 2200 - 2700$ l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
► suitable for ATEX

Pressure characteristics curve


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

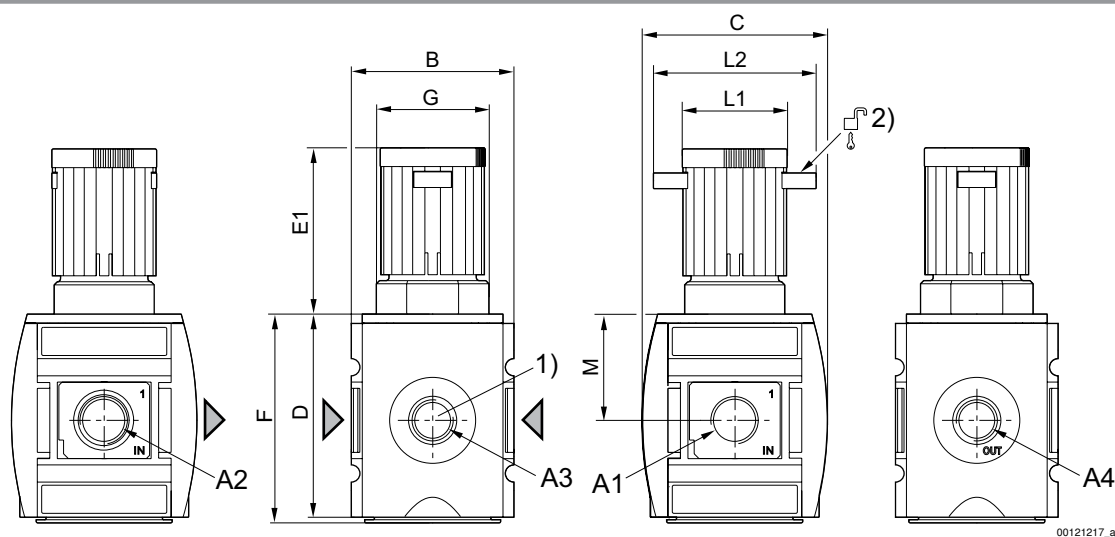
Flow rate characteristic (p_2 : 0,5 - 8 bar)


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Precision pressure regulator, Series AS2-RGP-...-DS

► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable
► suitable for ATEX

Dimensions



1) Pressure gauge connection

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

A1	A2	A3	A4	B	C	D	E1	F	G	L1	L2	M
G 1/4	G 1/4	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34
G 3/8	G 3/8	G 1/4	G 1/4	52	59	65	57.9	66.8	M36x1,5	34	54	34

Preparation of compressed air ► Maintenance units and components

Pressure regulator, Series AS2-RGS

► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically



23138

Mounting orientation	Any
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	+0 °C / +50 °C
Ambient temperature min./max.	+0 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving air exhaust
Pressure supply	single
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber

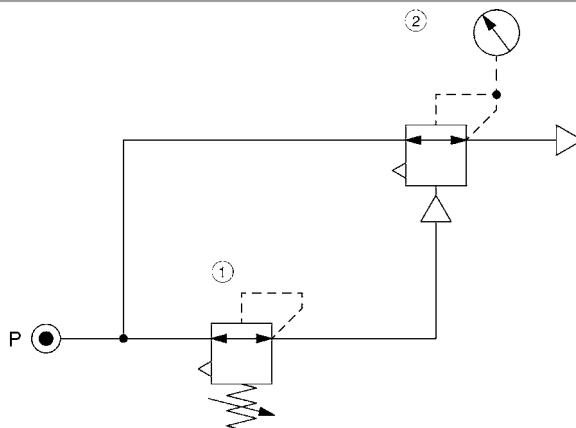
Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).

	Port	Qn	Adjustment range min. - max..	Weight	Part No.
		[l/min]	[bar]	[kg]	
	G 1/4	2700	0.5 - 16	0.314	R412006094
	G 3/8				R412006095

Order pressure gauge separately
Control pressure: see diagram
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Application example

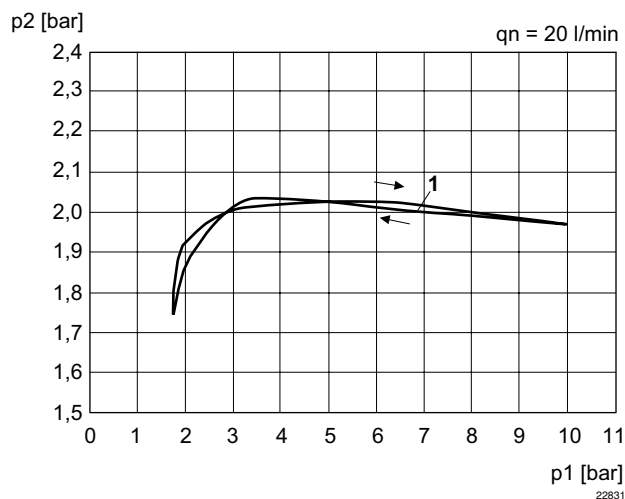


00108093

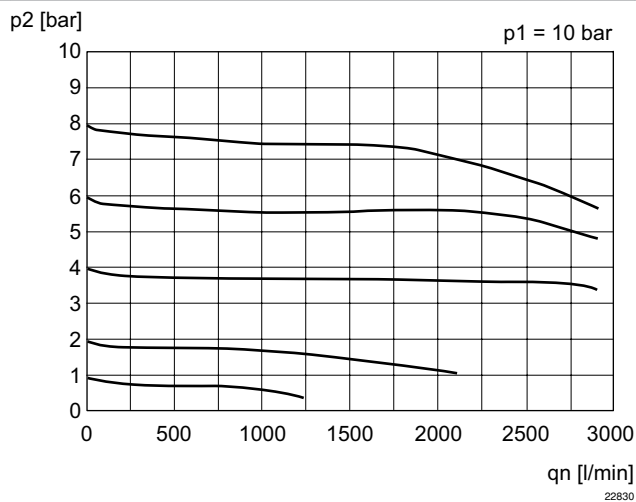
1) precision pressure regulator 2) pressure regulator valve, pneumatically operated

Pressure regulator, Series AS2-RGS

► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically

Pressure characteristics curve


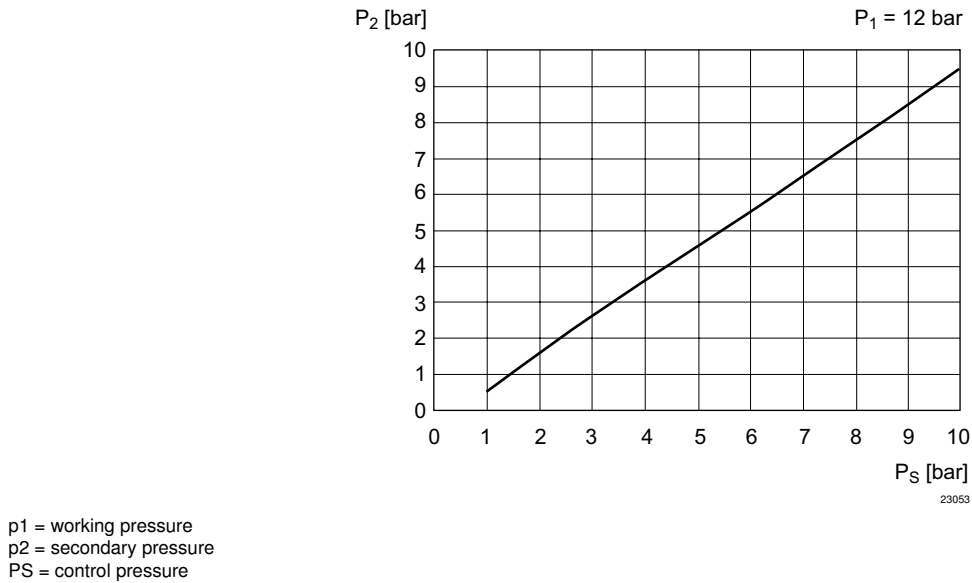
p1 = Working pressure
 p2 = Secondary pressure
 qn = Nominal flow
 1) = Starting point

Flow rate characteristic (p2: 0,5 - 8 bar)


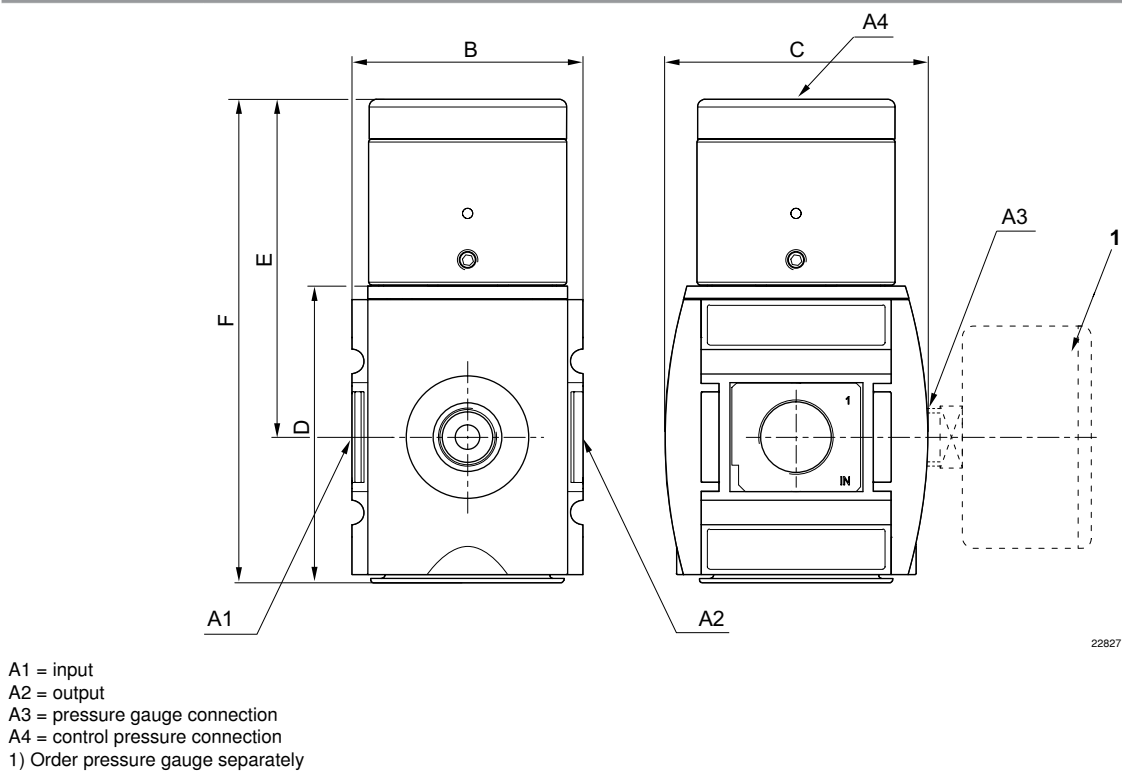
p1 = Working pressure
 p2 = Secondary pressure
 qn = Nominal flow

Pressure regulator, Series AS2-RGS
▶ G 1/4 - G 3/8 ▶ Qn= 2700 l/min ▶ Activation: pneumatically

control pressure characteristic



Dimensions



A1	A2	A3	A4	B	C	D	E	F					
G 1/4	G 1/4	G 1/4	G 1/8	52	59	66.8	72	105					
G 3/8	G 3/8	G 3/8	G 1/8	52	59	66.8	72	105					

Filter pressure regulator, Series AS2-FRE
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► suitable for ATEX


00119371

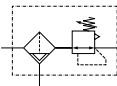
Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

Preparation of compressed air ► Maintenance units and components
Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► suitable for ATEX

	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.304	1); 3)	R412006175
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.347	1); 3)	R412006176
	G 1/4	2100	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.347	1); 3)	R412006177
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.537	2)	R412006181
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.66	2)	R412006182
	G 1/4	2100	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.589	2)	R412006183
	G 1/4	2100	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.304	1); 3)	R412006193
	G 1/4	2100	2 / 16	0.5 / 10	fully automatic, open without pressure	0.347	1); 3)	R412006194
	G 1/4	2100	0 / 16	0.5 / 10	fully automatic, closed without pressure	0.347	1); 3)	R412006195
	G 1/4	2100	2 / 16	0.5 / 16	semi-automatic, open without pressure	0.304	1); 3)	R412006236
	G 1/4	2100	2 / 16	0.5 / 16	fully automatic, open without pressure	0.347	1); 3)	R412006237
	G 1/4	2100	0 / 16	0.5 / 16	fully automatic, closed without pressure	0.347	1); 3)	R412006238
	G 3/8	2600	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.347	1); 3)	R412006184
	G 3/8	2600	2 / 16	0.5 / 8	fully automatic, open without pressure	0.347	1); 3)	R412006185
	G 3/8	2600	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.347	1); 3)	R412006186
	G 3/8	2600	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.523	2)	R412006190
	G 3/8	2600	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.655	2)	R412006191
	G 3/8	2600	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.575	2)	R412006192
	G 3/8	2600	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.523	1); 3)	R412006203
	G 3/8	2600	2 / 16	0.5 / 10	fully automatic, open without pressure	0.655	1); 3)	R412006204
	G 3/8	2600	0 / 16	0.5 / 10	fully automatic, closed without pressure	0.575	1); 3)	R412006205
	G 3/8	2600	2 / 16	0.5 / 16	semi-automatic, open without pressure	0.523	1); 3)	R412006239
	G 3/8	2600	2 / 16	0.5 / 16	fully automatic, open without pressure	0.655	1); 3)	R412006240
	G 3/8	2600	0 / 16	0.5 / 16	fully automatic, closed without pressure	0.575	1); 3)	R412006241

Order pressure gauge separately

1) Reservoir: Polycarbonate

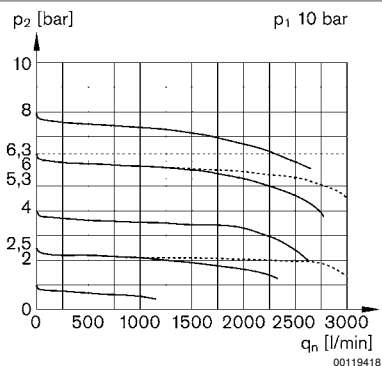
2) Reservoir: Die cast zinc

3) Protective guard: Polyamide

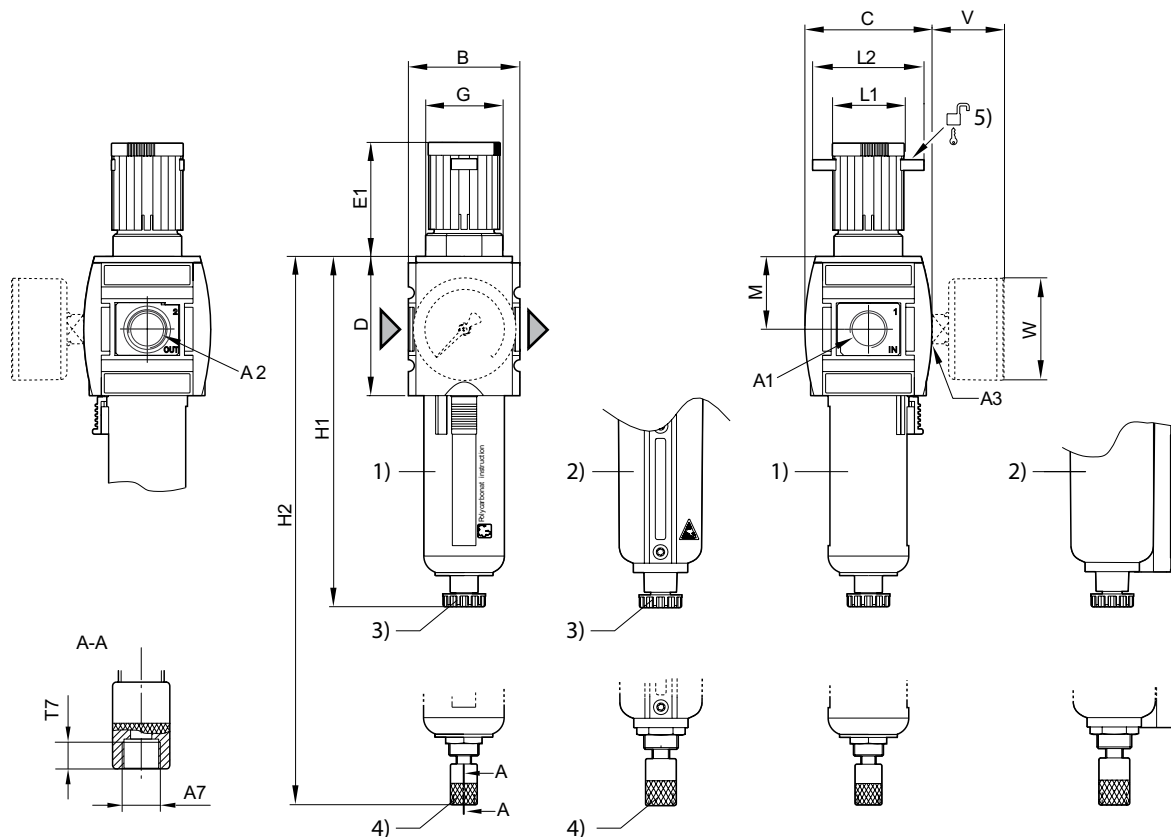
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► suitable for ATEX

Flow rate characteristic


p₁ = Working pressure
 p₂ = Secondary pressure
 q_n = Nominal flow

Dimensions


- A1 = input
 A2 = output
 A3 = pressure gauge connection
 1) Plastic reservoir and protective guard with window
 2) Metal reservoir
 3) Semi-automatic condensate drain
 4) Fully automatic condensate drain
 5) Mounting option for padlocks; max. shackle Ø 8

00133984

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Preparation of compressed air ► Maintenance units and components
Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► suitable for ATEX

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	--	34	54
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	--	180.5	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	--	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	--	180.5	34	54

A1	M	T7	V	W								
G 1/4	34	8.5	37	50								
G 1/4	34	8.5	37	50								
G 3/8	34	8.5	37	50								
G 3/8	34	8.5	37	50								

Filter pressure regulator, Series AS2-FRE
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX


00119372

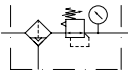
Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

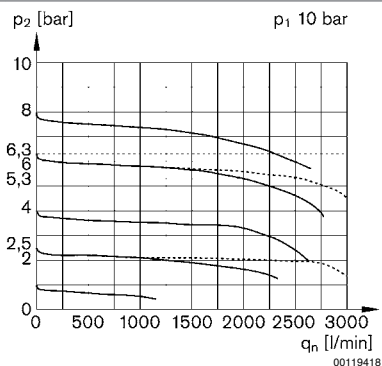
Preparation of compressed air ► Maintenance units and components
Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

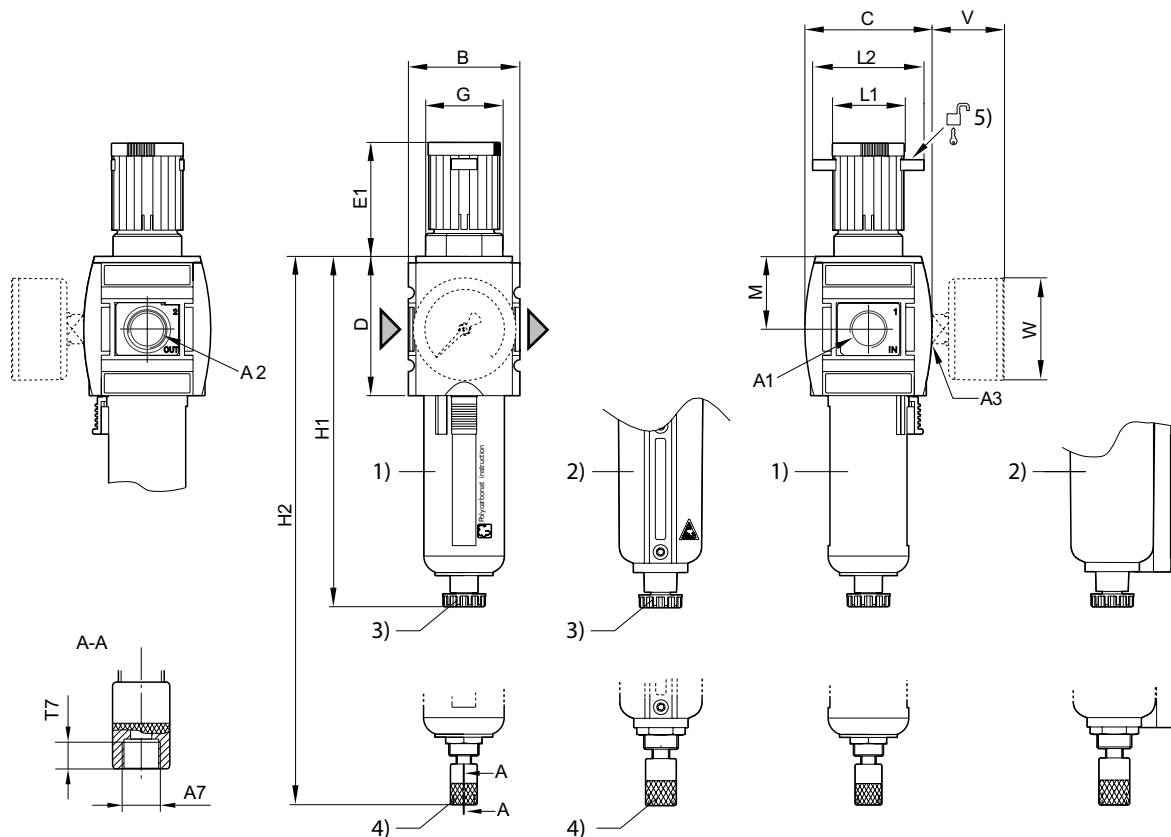
	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.394	1); 3)	R412006200
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.437	1); 3)	R412006201
	G 1/4	2100	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.437	1); 3)	R412006202
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.609	2)	R412006206
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.661	2)	R412006207
	G 1/4	2100	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.661	2)	R412006208
	G 1/4	2100	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.394	1); 3)	R412006196
	G 1/4	2100	2 / 16	0.5 / 10	fully automatic, open without pressure	0.437	1); 3)	R412006197
	G 1/4	2100	0 / 16	0.5 / 10	fully automatic, closed without pressure	0.437	1); 3)	R412006198
	G 3/8	2600	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.437	1); 3)	R412006209
	G 3/8	2600	2 / 16	0.5 / 8	fully automatic, open without pressure	0.437	1); 3)	R412006210
	G 3/8	2600	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.437	1); 3)	R412006211
	G 3/8	2600	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.596	2)	R412006215
	G 3/8	2600	2 / 16	0.5 / 8	fully automatic, open without pressure	0.648	2)	R412006216
	G 3/8	2600	0 / 16	0.5 / 8	fully automatic, closed without pressure	0.648	2)	R412006217
	G 3/8	2600	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.596	1); 3)	R412006212
	G 3/8	2600	2 / 16	0.5 / 10	fully automatic, open without pressure	0.648	1); 3)	R412006213
	G 3/8	2600	0 / 16	0.5 / 10	fully automatic, closed without pressure	0.648	1); 3)	R412006214
1) Reservoir: Polycarbonate 2) Reservoir: Die cast zinc 3) Protective guard: Polyamide Pressure gauge enclosed separately Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar								

Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

Flow rate characteristic


p₁ = Working pressure
 p₂ = Secondary pressure
 q_n = Nominal flow

Dimensions


- A1 = input
 A2 = output
 A3 = pressure gauge connection
 1) Plastic reservoir and protective guard with window
 3) Metal reservoir
 3) Semi-automatic condensate drain
 4) Fully automatic condensate drain
 5) Mounting option for padlocks; max. shackle Ø 8

00133984

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Preparation of compressed air ► Maintenance units and components
Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	--	34	54
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	--	180.5	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	--	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	--	180.5	34	54

A1	M	T7	V	W								
G 1/4	34	8.5	37	50								
G 1/4	34	8.5	37	50								
G 3/8	34	8.5	37	50								
G 3/8	34	8.5	37	50								

Filter pressure regulator, Series AS2-FRE-...-E11

► G 1/4 ► filter porosity: 5 µm ► lockable ► with E11 locking

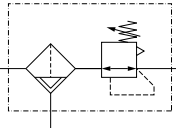


00015830

Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	-- / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 10 bar
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- The E11 locking is delivered without a key (see accessories for keys).
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

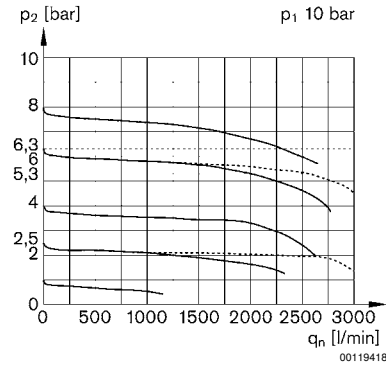
	Port	Qn [l/min]	Condensate drain	Weight [kg]	Part No.
	G 1/4	2100	fully automatic, closed without pressure	0.347	R412006189
Order pressure gauge separately Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Preparation of compressed air ► Maintenance units and components

Filter pressure regulator, Series AS2-FRE-...-E11

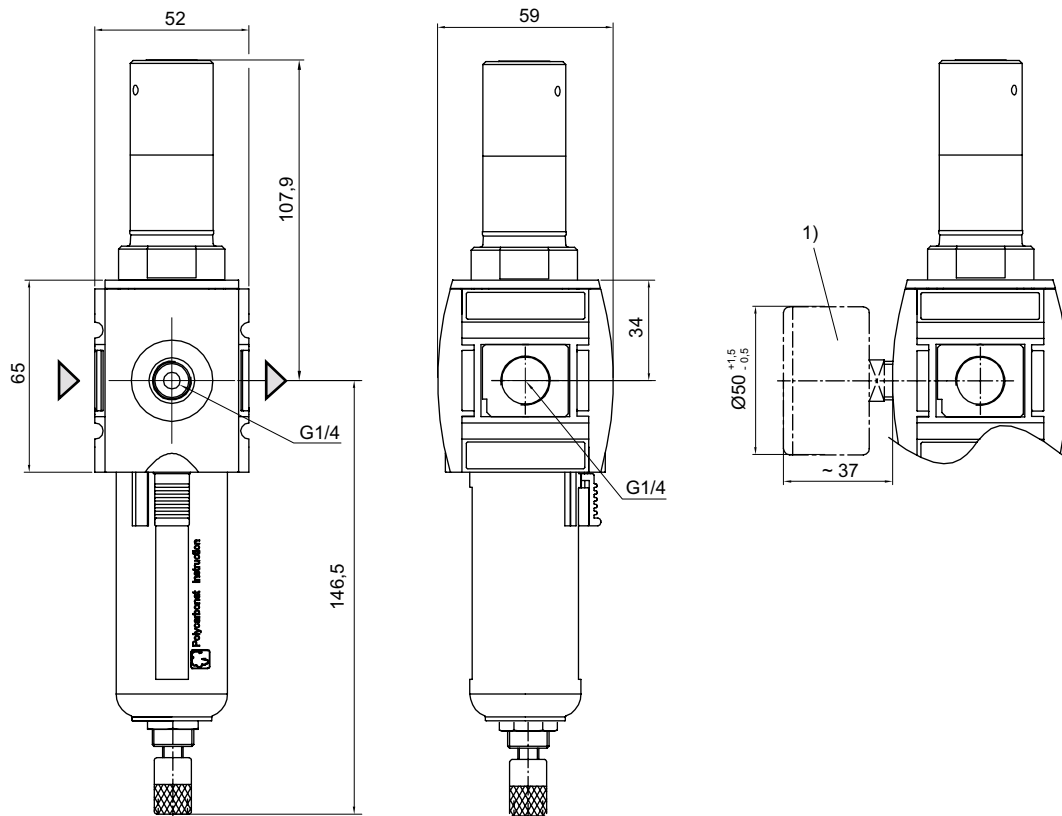
► G 1/4 ► filter porosity: 5 µm ► lockable ► with E11 locking

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



1) Order pressure gauge separately

00015824

Filter pressure regulator, Series AS2-FRE
► G 1/4 - G 3/8 ► filter porosity: 25 µm ► lockable ► for padlocks ► suitable for ATEX


00133866

Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.537	1)	R412006180
	G 1/4	2100	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.304	2); 3)	R412006218
	G 1/4	2100	2 / 16	0.5 / 10	fully automatic, open without pressure	0.347	2); 3)	R412006219
	G 1/4	2100	0 / 16	0 / 10	fully automatic, closed without pressure	0.347	2); 3)	R412006220
	G 3/8	2600	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.347	2); 3)	R412006221
	G 3/8	2600	2 / 16	0.5 / 10	fully automatic, open without pressure	0.347	2); 3)	R412006222
	G 3/8	2600	0 / 16	0 / 10	fully automatic, closed without pressure	0.347	2); 3)	R412006223

Order pressure gauge separately

1) Reservoir: Die cast zinc

2) Reservoir: Polycarbonate

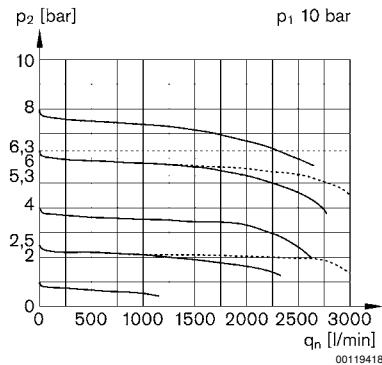
3) Protective guard: Polyamide

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filter pressure regulator, Series AS2-FRE

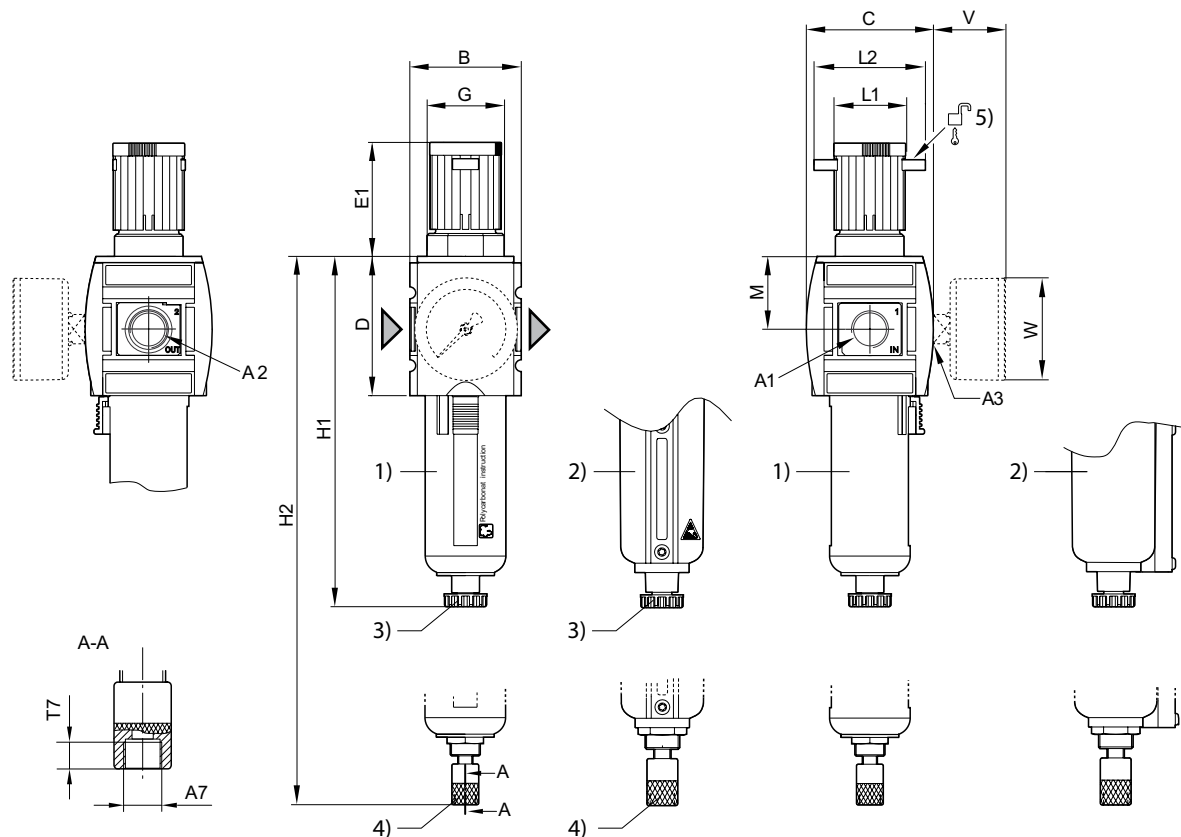
► G 1/4 - G 3/8 ► filter porosity: 25 µm ► lockable ► for padlocks ► suitable for ATEX

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



- A1 = input
- A2 = output
- A3 = pressure gauge connection
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain
- 5) Mounting option for padlocks; max. shackle Ø 8

00133984

Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 25 µm ► lockable ► for padlocks ► suitable for ATEX

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54

A1	M	T7	V	W								
G 1/4	34	8.5	37	50								
G 3/8	34	8.5	37	50								

Preparation of compressed air ► Maintenance units and components

Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 40 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX



00119372

Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 8 bar
Pressure supply	single
Filter reservoir volume	28 cm³
Filter element	exchangeable
Condensate drain	See table below
Max. particle size	40 µm
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Polyethylene

Technical Remarks

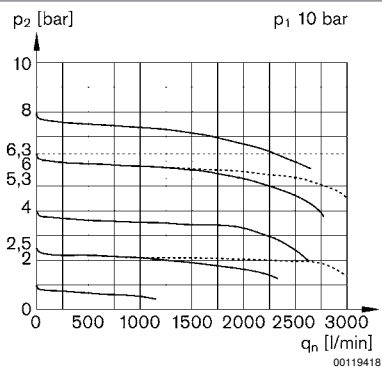
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

		Port	Qn	Working pressure min./max.	Condensate drain	Weight	Note	Part No.
			[l/min]	[bar]		[kg]		
	-	G 1/4	2100	0 / 16	fully automatic, open without pressure	0.661	2)	R412006199
		G 3/8	2600	2 / 16	semi-automatic, open without pressure	0.394	1)	R412006224

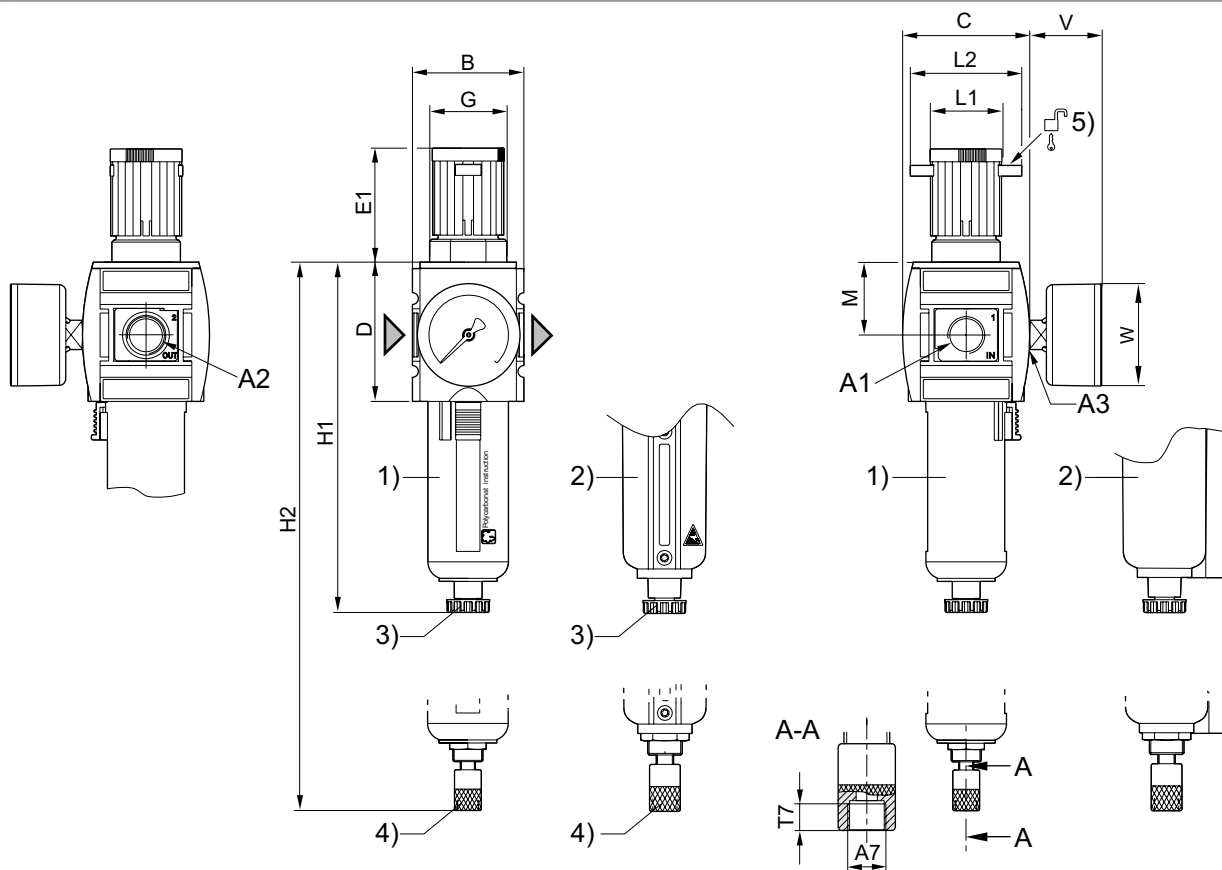
1) Pressure gauge enclosed separately
2) Order pressure gauge separately
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 40 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

Flow rate characteristic


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Dimensions


- A1 = input
 A2 = output
 A3 = pressure gauge connection
 1) Plastic reservoir and protective guard with window
 2) Metal reservoir
 3) Semi-automatic condensate drain
 4) Fully automatic condensate drain
 5) Mounting option for padlocks; max. shackle Ø 8

00120281

Preparation of compressed air ► Maintenance units and components
Filter pressure regulator, Series AS2-FRE

► G 1/4 - G 3/8 ► filter porosity: 40 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	L1	L2
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	57.9	M36x1,5	163.5	180.5	34	54

A1	M	T7	V	W								
G 1/4	34	8.5	37	50								
G 3/8	34	8.5	37	50								

Filter pressure regulator, Series AS2-FRE-...-E11

► G 1/4 ► filter porosity: 40 µm ► lockable ► with E11 locking

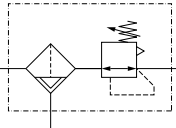


00015830

Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0.5 bar / 10 bar
Pressure supply	single
Filter reservoir volume	28 cm ³
Filter element	exchangeable
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- The E11 locking is delivered without a key (see accessories for keys).
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

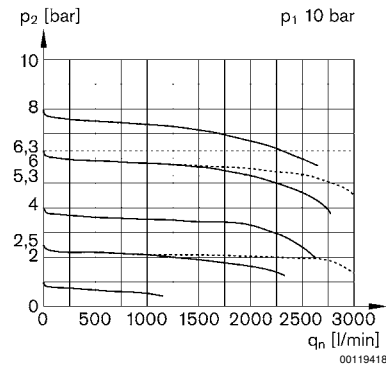
	Port	Qn [l/min]	Condensate drain	Weight [kg]	Part No.
	G 1/4	2100	fully automatic, closed without pressure	0.347	R412006188
Order pressure gauge separately Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Preparation of compressed air ► Maintenance units and components

Filter pressure regulator, Series AS2-FRE-...-E11

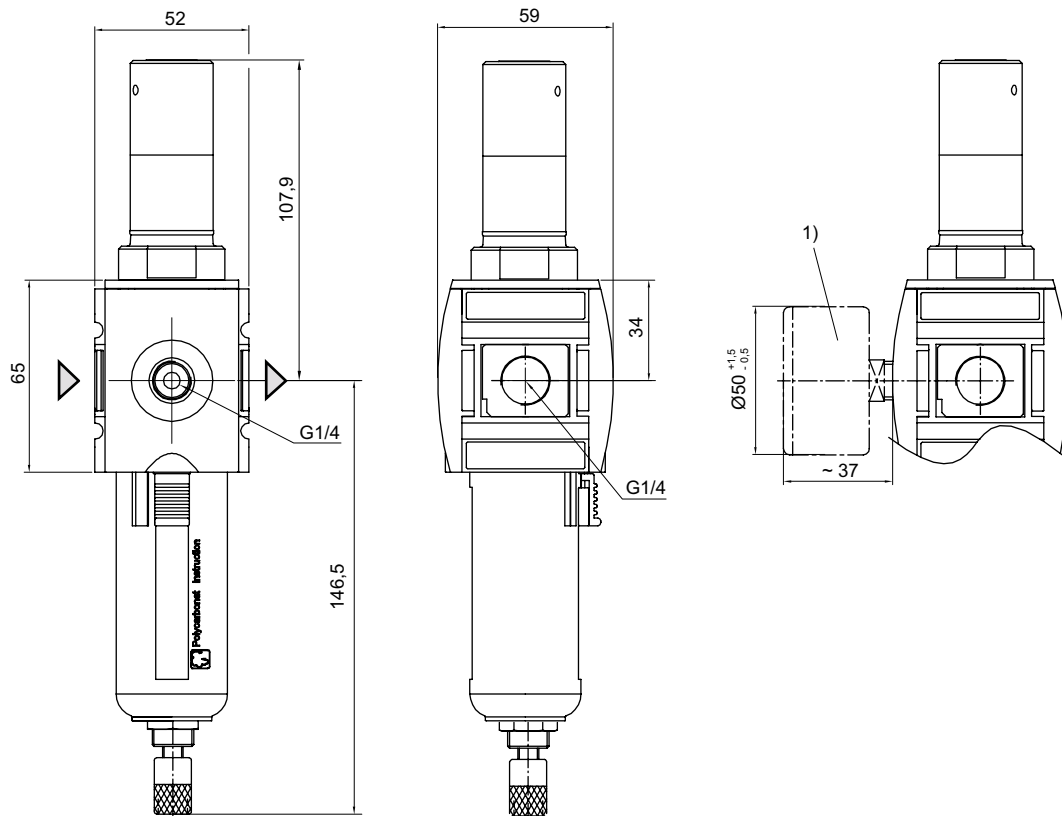
► G 1/4 ► filter porosity: 40 µm ► lockable ► with E11 locking

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



1) Order pressure gauge separately

00015824

Filter, Series AS2-FLS

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► suitable for ATEX



00119385

Version	Standard filter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	28 cm ³
Filter element	exchangeable
filter porosity	5 µm
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

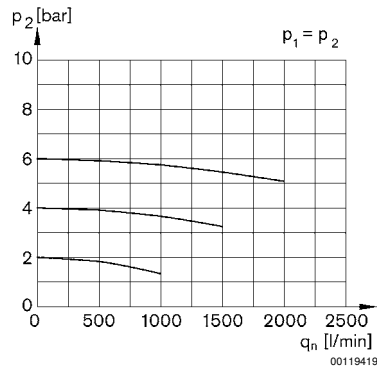
	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Weight	Part No.
		[l/min]	[bar]				[kg]	
	G 1/4	2100	2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.212	R412006000
	G 1/4		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.255	R412006001
	G 1/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.255	R412006002
	G 1/4		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.443	R412006006
	G 1/4		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.52	R412006007
	G 1/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.53	R412006008
	G 3/8		2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.212	R412006009
	G 3/8		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.255	R412006010
	G 3/8		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.255	R412006011
	G 3/8		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.43	R412006015
	G 3/8		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.52	R412006016
	G 3/8		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.51	R412006017
	G 1/4		0 / 16	without	Polycarbonate	Polyamide	0.212	R412006090

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filter, Series AS2-FLS

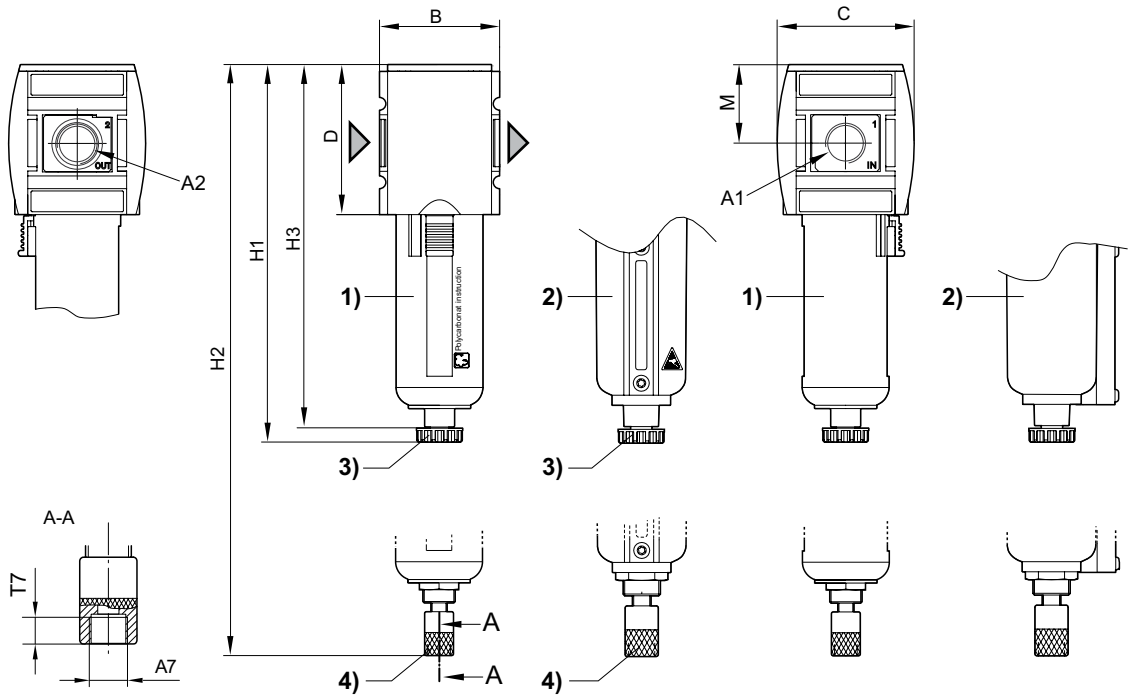
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► suitable for ATEX

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



- A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain

A1	A2	A7	B	C	D	H1	H2	H3	M	T7			
G 1/4	G 1/4	G 1/8	52	59	65	163.5	-	-	34	8.5			
G 1/4	G 1/4	G 1/8	52	59	65	-	180.5	-	34	8.5			
G 3/8	G 3/8	G 1/8	52	59	65	163.5	-	-	34	8.5			
G 3/8	G 3/8	G 1/8	52	59	65	-	180.5	-	34	8.5			

Filter, Series AS2-FLS

► G 1/4 - G 3/8 ► filter porosity: 5 µm ► suitable for ATEX

A1	A2	A7	B	C	D	H1	H2	H3	M	T7			
G 1/4	G 1/4	G 1/8	52	59	65	-	-	157	34	8.5			

Preparation of compressed air ► Maintenance units and components

Filter, Series AS2-FLS

► G 1/4 ► filter porosity: 25 µm ► suitable for ATEX

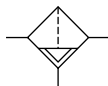


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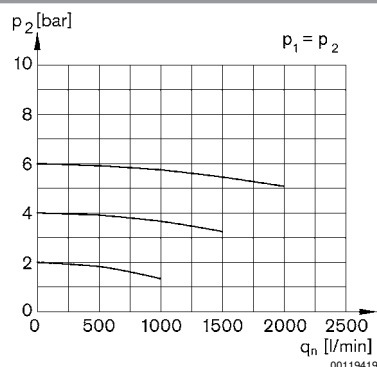
Version	Standard filter, Can be assembled into blocks
Mounting orientation	vertical
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	28 cm³
Filter element	exchangeable
filter porosity	25 µm
Condensate drain	semi-automatic, open without pressure
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Reservoir	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Qn	Working pressure min./ max.	Weight	Part No.
		[l/min]	[bar]	[kg]	
	G 1/4	2100	2 / 16	0.443	R412006091
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Flow rate characteristic

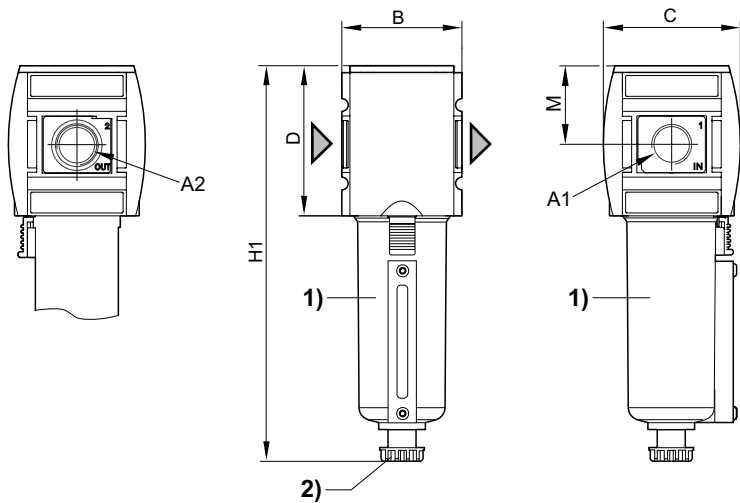


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Filter, Series AS2-FLS

▶ G 1/4 ▶ filter porosity: 25 µm ▶ suitable for ATEX

Dimensions



00127866

- A1 = input
A2 = output
1) Metal reservoir with level indicator
2) Semi-automatic condensate drain

A1	A2	B	C	D	H1	M							
G 1/4	G 1/4	52	59	65	163.5	34							

Preparation of compressed air ► Maintenance units and components

Filter, Series AS2-FLS

► G 1/4 - G 3/8 ► filter porosity: 40 µm ► suitable for ATEX



00119385

Version	Standard filter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	28 cm³
Filter element	exchangeable
filter porosity	40 µm
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22

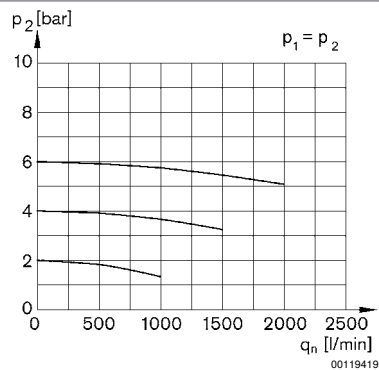
	Port	Qn	Working pressure min./max.	Condensate drain	Weight	Part No.
		[l/min]	[bar]		[kg]	
	G 1/4	2100	2 / 16	semi-automatic, open without pressure	0.212	R412006003
	G 1/4		2 / 16	fully automatic, open without pressure	0.255	R412006004
	G 1/4		0 / 16	fully automatic, closed without pressure	0.255	R412006005
	G 3/8		2 / 16	semi-automatic, open without pressure	0.212	R412006012
	G 3/8		2 / 16	fully automatic, open without pressure	0.255	R412006013
	G 3/8		0 / 16	fully automatic, closed without pressure	0.255	R412006014

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filter, Series AS2-FLS

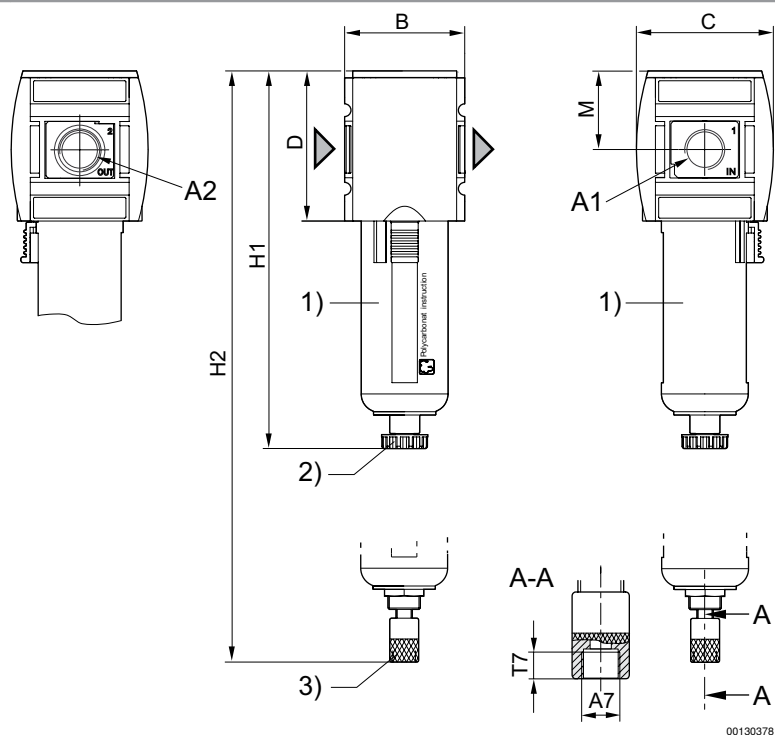
▶ G 1/4 - G 3/8 ▶ filter porosity: 40 µm ▶ suitable for ATEX

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Dimensions



- A1 = input
A2 = output
1) Plastic reservoir and protective guard with window
2) Semi-automatic condensate drain
3) Fully automatic condensate drain

A1	A2	A7	B	C	D	H1	H2	M	T7				
G 1/4	G 1/4	G 1/8	52	59	65	163.5	180.5	34	8.5				
G 3/8	G 3/8	G 1/8	52	59	65	163.5	180.5	34	8.5				

Preparation of compressed air ► Maintenance units and components

Pre-filter, Series AS2-FLP

► G 1/4 - G 3/8 ► filter porosity: 0.3 µm ► suitable for ATEX



00127783

Version	Pre-filter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Filter reservoir volume	12 cm³
Filter element	exchangeable
filter porosity	0.3 µm
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Filter insert	Impregnated paper

Technical Remarks

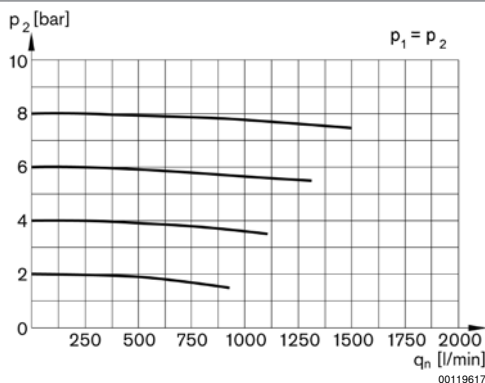
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- Recommended pre-filtering: 5 µm
- max. residual oil content at the outlet: 1 mg/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	Weight	Part No.
		[l/min]	[bar]				[kg]	
	G 1/4	400	2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006018
	G 1/4		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006019
	G 1/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006020
	G 1/4		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.484	R412006024
	G 1/4		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.53	R412006025
	G 1/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.53	R412006026
	G 3/8		2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006027
	G 3/8		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006028
	G 3/8		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006029
	G 3/8		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.47	R412006033
	G 3/8		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.525	R412006034
	G 3/8		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.525	R412006035

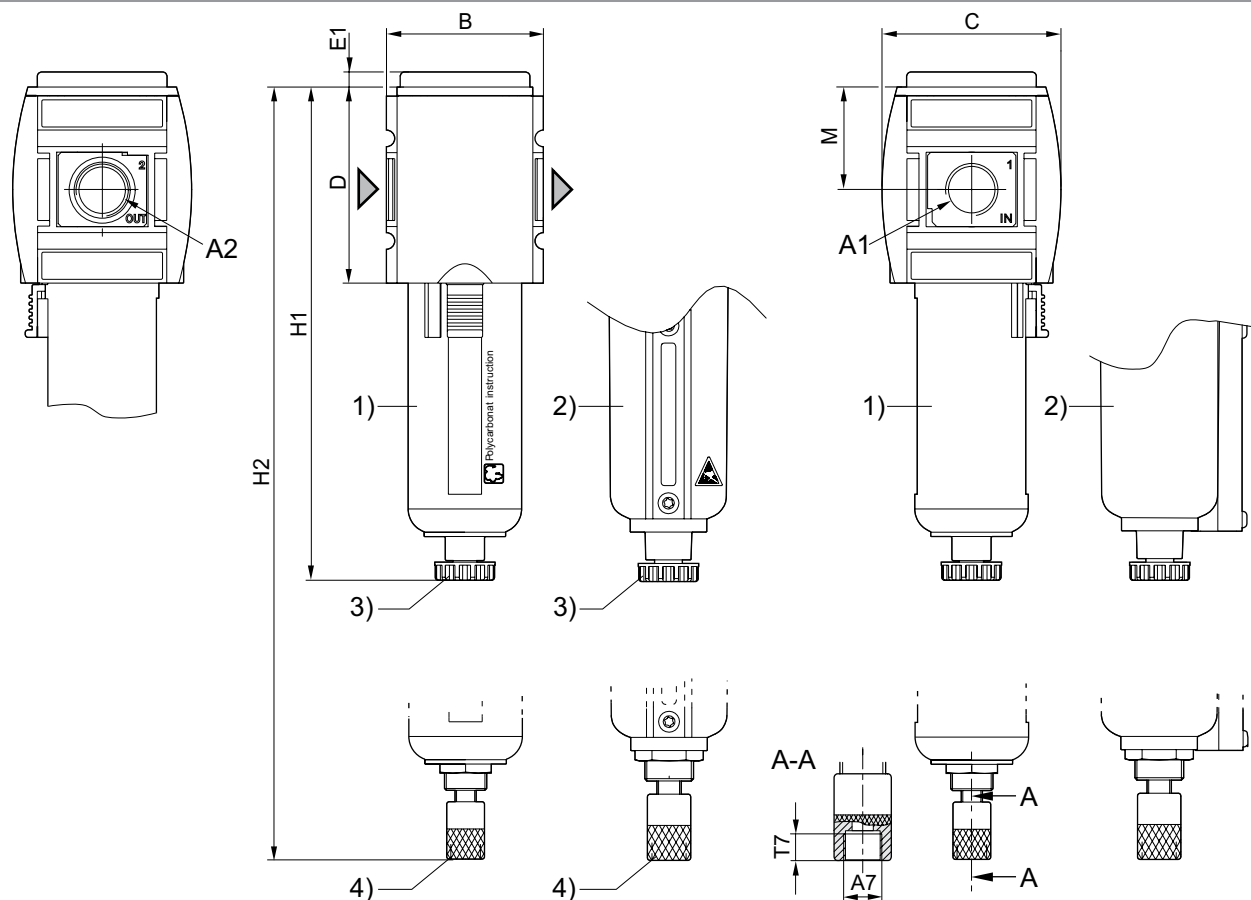
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

Pre-filter, Series AS2-FLP

► G 1/4 - G 3/8 ► filter porosity: 0.3 µm ► suitable for ATEX

Flow rate characteristic


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Dimensions


00121213

- A1 = input
 A2 = output
 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 numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Preparation of compressed air ► Maintenance units and components
Pre-filter, Series AS2-FLP

► G 1/4 - G 3/8 ► filter porosity: 0.3 µm ► suitable for ATEX

A1	A2	A7	B	C	D	E1	H1	H2	M	T7			
G 1/4	G 1/4	G 1/8	52	59	65	5	163.5	180.5	34	8.5			
G 3/8	G 3/8	G 1/8	52	59	65	5	163.5	180.5	34	8.5			

Microfilter, Series AS2-FLC

► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► suitable for ATEX

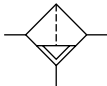


00127783

Version	Microfilter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	12 cm ³
Filter element	exchangeable
filter porosity	0.01 µm
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
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.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- 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]	[bar]				[kg]	
	G 1/4	350	2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006036
	G 1/4		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006037
	G 1/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006038
	G 1/4		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.482	R412006042
	G 1/4		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.565	R412006043
	G 1/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.56	R412006044
	G 3/8		2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006045
	G 3/8		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006046
	G 3/8		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006047
	G 3/8		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.471	R412006051
	G 3/8		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.545	R412006052
	G 3/8		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.55	R412006053
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar								

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

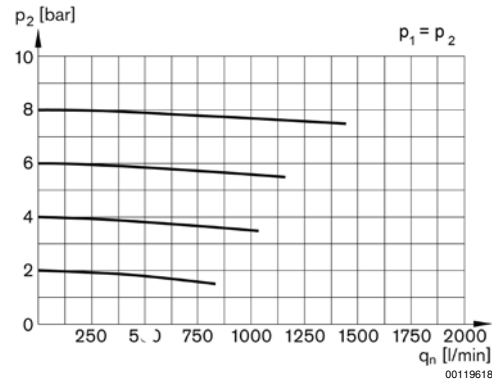
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Preparation of compressed air ► Maintenance units and components

Microfilter, Series AS2-FLC

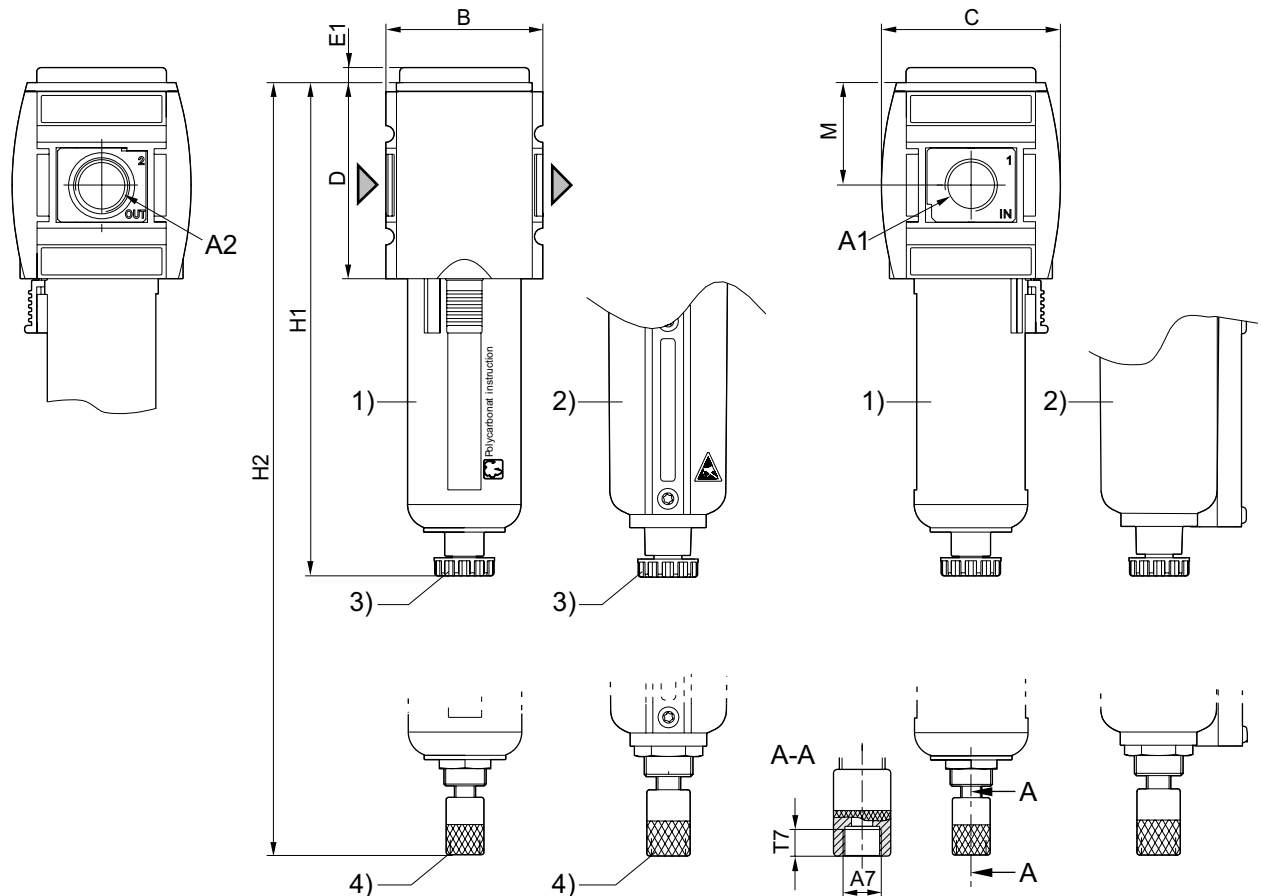
► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► suitable for ATEX

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Dimensions



- A1 = input
- A2 = output
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass
- 3) Semi-automatic condensate drain
- 4) Fully automatic condensate drain

Microfilter, Series AS2-FLC

 ► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► suitable for ATEX

A1	A2	A7	B	C	D	E1	H1	H2	M	T7			
G 1/4	G 1/4	G 1/8	52	59	65	5	163.5	180.5	34	8.5			
G 3/8	G 3/8	G 1/8	52	59	65	5	163.5	180.5	34	8.5			

Preparation of compressed air ► Maintenance units and components

Microfilter, Series AS2-FLC

► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► contamination display: integrated ► suitable for ATEX



00119623

Version	Microfilter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Filter reservoir volume	12 cm³
Filter element	exchangeable
filter porosity	0.01 µm
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Filter insert	Borosilicate glass fiber

Technical Remarks

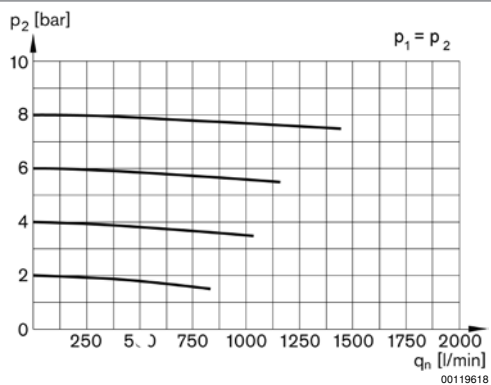
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- Recommended pre-filtering: 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]	[bar]				[kg]	
	G 1/4	350	2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006054
	G 1/4		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006055
	G 1/4		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006056
	G 1/4		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.485	R412006060
	G 1/4		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.564	R412006061
	G 1/4		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.569	R412006062
	G 3/8		2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006063
	G 3/8		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006064
	G 3/8		0 / 16	fully automatic, closed without pressure	Polycarbonate	Polyamide	0.263	R412006065
	G 3/8		2 / 16	semi-automatic, open without pressure	Die cast zinc with window	-	0.474	R412006069
	G 3/8		2 / 16	fully automatic, open without pressure	Die cast zinc with window	-	0.554	R412006070
	G 3/8		0 / 16	fully automatic, closed without pressure	Die cast zinc with window	-	0.559	R412006071

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

Microfilter, Series AS2-FLC

► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► contamination display: integrated ► suitable for ATEX

Flow rate characteristic


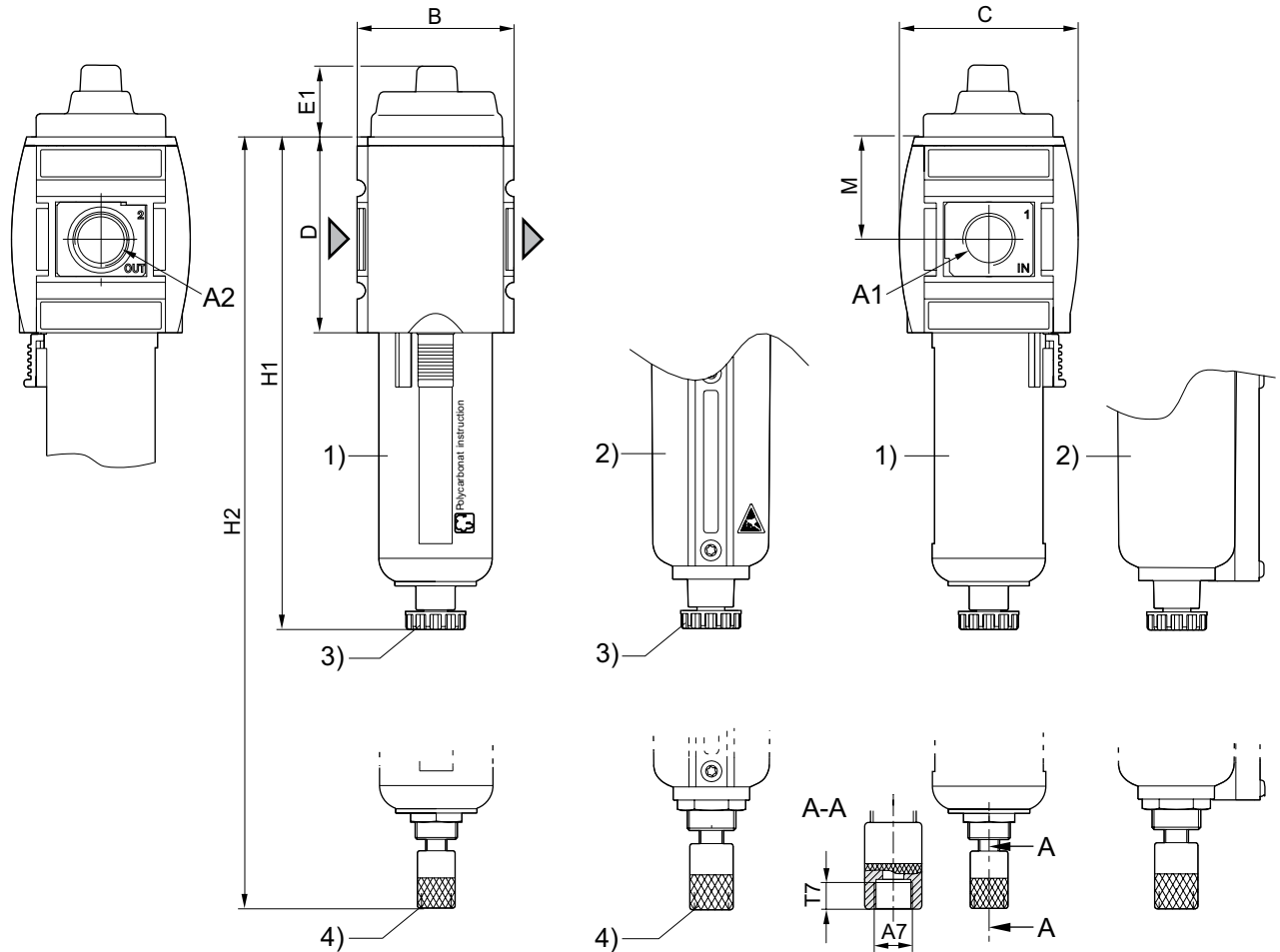
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Preparation of compressed air ► Maintenance units and components

Microfilter, Series AS2-FLC

► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► contamination display: integrated ► suitable for ATEX

Dimensions



A1 = input

A2 = output

1) Plastic reservoir and protective guard with window

2) Metal reservoir with inspection glass

3) Semi-automatic condensate drain

4) Fully automatic condensate drain

A1	A2	A7	B	C	D	E1	H1	H2	M	T7			
G 1/4	G 1/4	G 1/8	52	59	65	24	163.5	180.5	34	8.5			
G 3/8	G 3/8	G 1/8	52	59	65	24	163.5	180.5	34	8.5			

Active carbon filter, Series AS2-FLA

► G 1/4 - G 3/8 ► suitable for ATEX



00127783

Version	Active carbon filter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	12 cm ³
Filter element	exchangeable
Condensate drain	without
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Filter insert	Active carbon

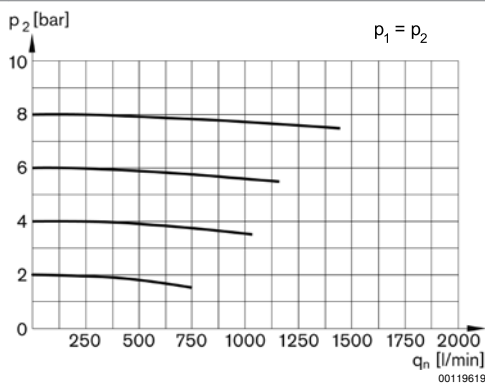
Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Suitable for use in Ex zones 1, 2, 21, 22
- Recommended pre-filtering: 0.01 µm
- max. residual oil content at the outlet: 0.005 mg/m³

	Port	Qn	Reservoir	Protective guard	Weight	Part No.
		[l/min]			[kg]	
	G 1/4	650	Polycarbonate	Polyamide	0.22	R412006072
	G 1/4		Die cast zinc with window	-	0.454	R412006074
	G 3/8		Polycarbonate	Polyamide	0.22	R412006075
	G 3/8		Die cast zinc with window	-	0.44	R412006077

Nominal flow Qn with secondary pressure p₂ = 6 bar at Δp = 0,1 bar

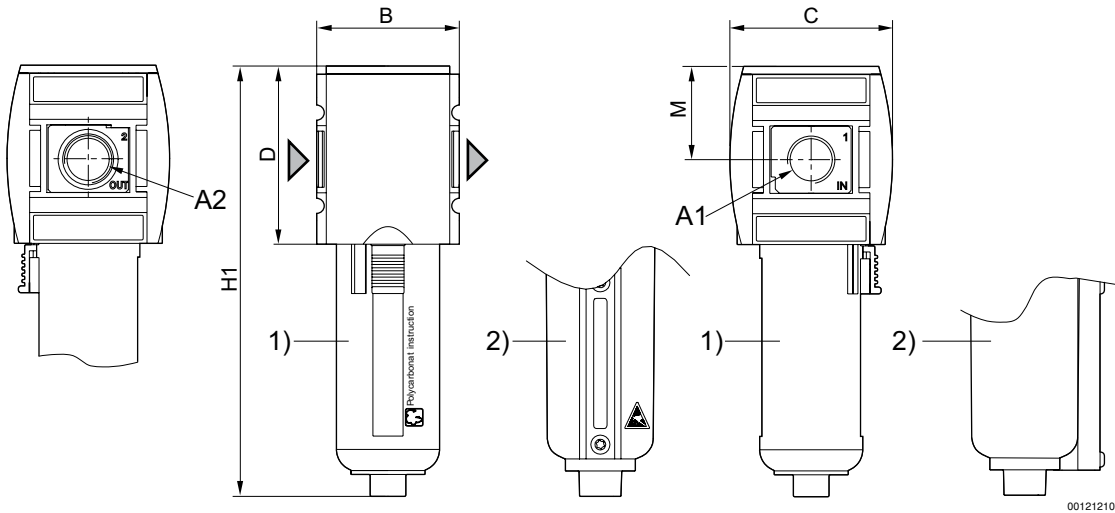
Flow rate characteristic



p₁ = Working pressure
p₂ = Secondary pressure
q_n = Nominal flow

Active carbon filter, Series AS2-FLA
► G 1/4 - G 3/8 ► suitable for ATEX

Dimensions



00121210

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

A1	A2	B	C	D	H1	M							
G 1/4	G 1/4	52	59	65	157	34							
G 3/8	G 3/8	52	59	65	157	34							

Diaphragm-type dryer, Series AS2-ADD

► G 3/8 ► suitable for ATEX



Version	Diaphragm-type dryer
Mounting orientation	vertical
Working pressure min./max.	4 bar / 12.5 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	+2 °C / +50 °C
Ambient temperature min./max.	+2 °C / +50 °C
Filter element	not exchangeable
Lowering pressure dew point	20 °C
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Reservoir	Aluminum

Technical Remarks

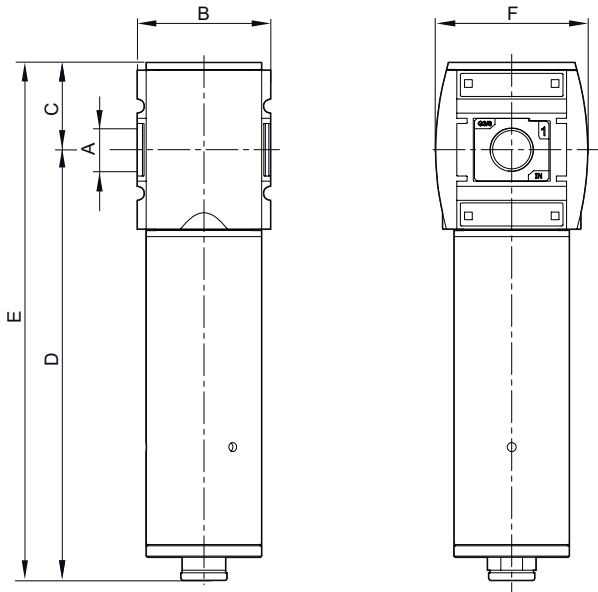
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Notice: air may not contain condensate
- purge air approx. 12% of nominal flow Q_n
- Suitable for use in Ex zones 1, 2, 21, 22
- Recommended pre-filtering [μm]: 5 / 0.01 μm

	Port	Q _n	Weight	Fig.	Note	Part No.
		[l/min]	[kg]			
	G 3/8	50	0.48	Fig. 1	-	R412006078
		100	0.57	Fig. 1	-	R412006079
		150	0.69	Fig. 1	-	R412006080
		200	0.7	Fig. 1	-	R412006081
		300	1.43	Fig. 2	1)	R412006082
		400	1.73	Fig. 2	1)	R412006083

1) incl. distributor

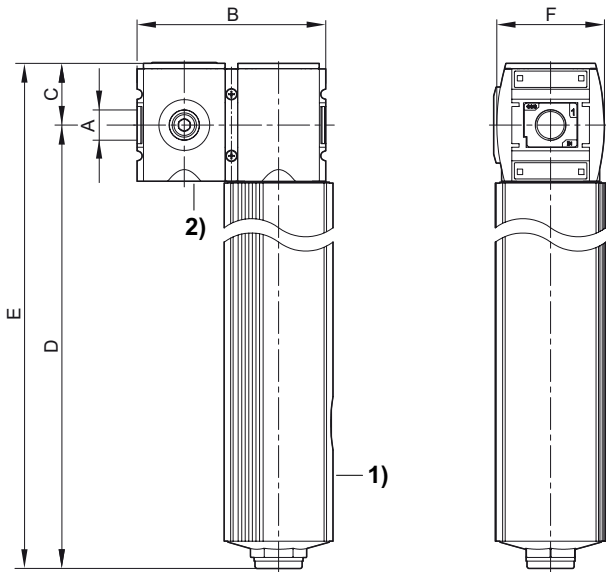
Diaphragm-type dryer, Series AS2-ADD
► G 3/8 ► suitable for ATEX

Dimensions, Fig. 1



Part No.	A	B	C	D	E	F						
R412006078	G 3/8	52	34	167.9	201.9	59						
R412006079	G 3/8	52	34	217.9	251.9	59						
R412006080	G 3/8	52	34	257.9	291.9	59						
R412006081	G 3/8	52	34	317.9	351.9	59						

Dimensions, Fig. 2

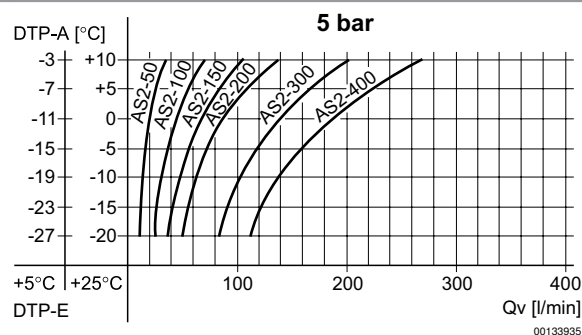


- 1) Diaphragm-type dryer
- 2) Distributor

Diaphragm-type dryer, Series AS2-ADD

► G 3/8 ► suitable for ATEX

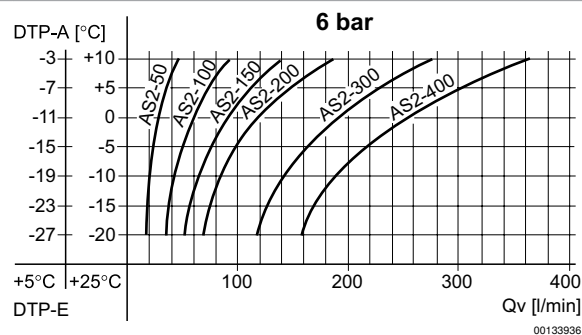
Part No.	A	B	C	D	E	F						
R412006082	G 3/8	104	34	412	446	59						
R412006083	G 3/8	104	34	472	506	59						

performance charts


DTP-E: pressure dew point input

DTP-A: pressure dew point output

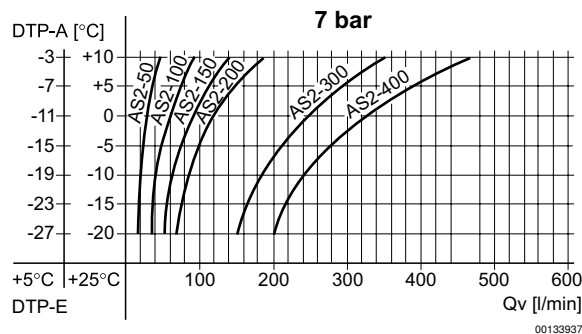
Qv: input flow rate (nominal flow rate Qn + purge air)

performance charts


DTP-E: pressure dew point input

DTP-A: pressure dew point output

Qv: input flow rate (nominal flow rate Qn + purge air)

performance charts


DTP-E: pressure dew point input

DTP-A: pressure dew point output

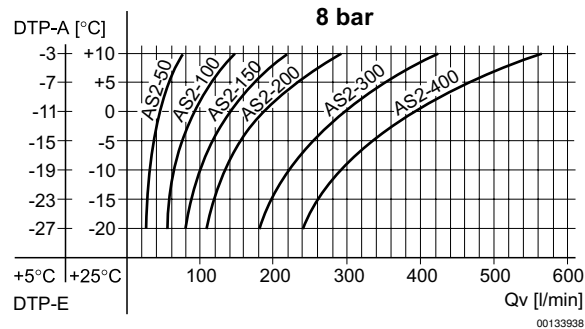
Qv: input flow rate (nominal flow rate Qn + purge air)

Preparation of compressed air ► Maintenance units and components

Diaphragm-type dryer, Series AS2-ADD

► G 3/8 ► suitable for ATEX

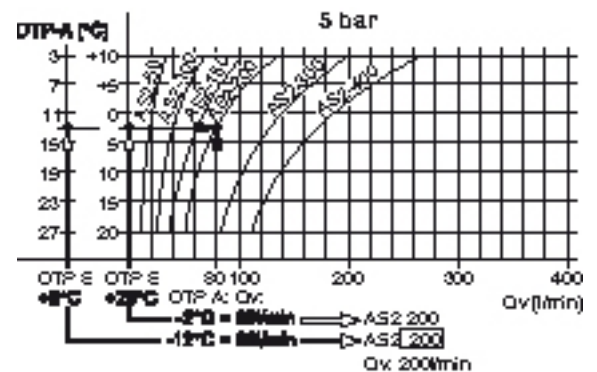
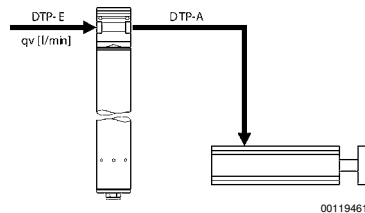
performance charts



DTP-E: pressure dew point input
DTP-A: pressure dew point output
Qv: input flow rate (nominal flow rate Qn + purge air)

Example
wanted:
suitable membrane dryer

Example
give values: Qn = 80 l/min, DTP-E = +5 (+25) °C
searched values: DTP-A = -12 (-2) °C suitable membrane
dryer



Result: membrane dryer series AS2-200
(with a Qn of 200 l/min), part no. R412006081

Standard oil-mist lubricator, Series AS2-LBS

► G 1/4 - G 3/8 ► suitable for ATEX



00121761

Version	Oil-mist lubricator, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	0.5 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Lubricator reservoir volume	40 cm ³
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
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- Electrical level detection only with ST6 sensor with reed contact, sensor holder included in the scope of the delivery.
- The entire preset drip quantity enters the pressure system
- Manual oil filling possible during operation
- Suitable for use in Ex zones 1, 2, 21, 22
- Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
- Oil dosing at 1000 l/min [drops/min]: 1-2

	Port	Qn [l/min]	Reservoir	Protective guard	Weight [kg]	Note	Part No.
	G 1/4	2800	Polycarbonate	Polyamide	0.229	2)	R412006225
	G 1/4	2800	Polycarbonate	Polyamide		1)	R412006226
	G 1/4	2800	Die cast zinc with window	-		2)	R412006229
	G 3/8	3100	Polycarbonate	Polyamide		2)	R412006231
	G 3/8	3100	Polycarbonate	Polyamide		1)	R412006232
	G 3/8	3100	Die cast zinc with window	-		2)	R412006235

1) Electrical level detection

2) suitable for ATEX: II 2G2D T4X

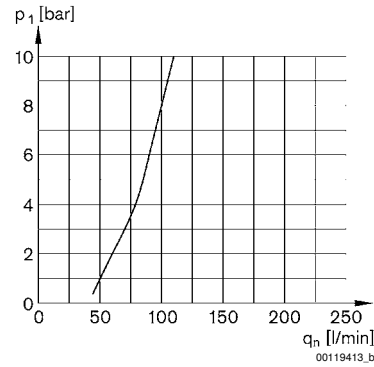
Nominal flow Qn with secondary pressure p₂ = 6 bar at Δp = 1 bar

Preparation of compressed air ► Maintenance units and components

Standard oil-mist lubricator, Series AS2-LBS

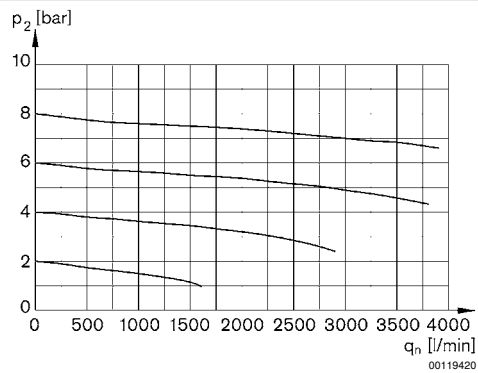
► G 1/4 - G 3/8 ► suitable for ATEX

Lubricator activation margin



p_1 = working pressure
 q_n = nominal flow

Flow rate characteristic

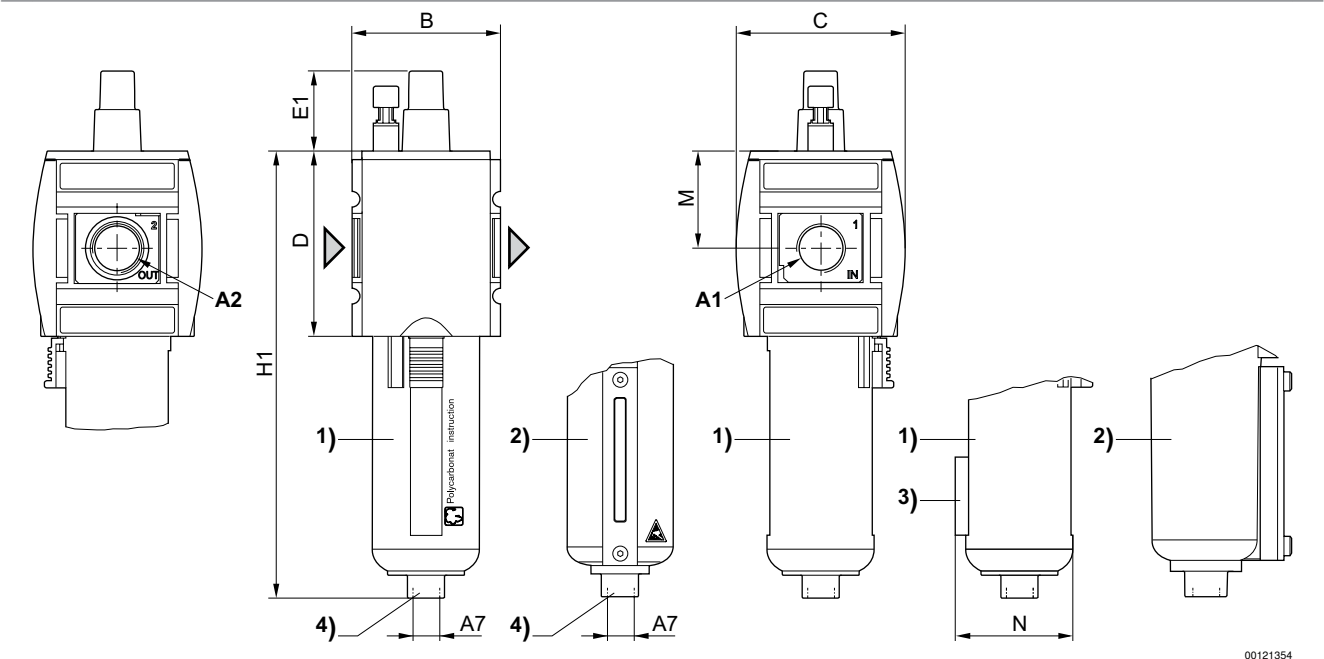


p_2 = secondary pressure
 q_n = nominal flow

Standard oil-mist lubricator, Series AS2-LBS

▶ G 1/4 - G 3/8 ▶ suitable for ATEX

Dimensions



- A1 = input
A2 = output
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	M	N				
G 1/4	G 1/4	G 1/8	52	59	65	29.5	157	34	42.5				
G 3/8	G 3/8	G 1/8	52	59	65	29.5	157	34	42.5				

Preparation of compressed air ► Maintenance units and components

Filling unit, electrically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection



00119381_a

Parts

Version

Nominal flow

Nominal flow, 1►2

Nominal flow, 2►3

Working pressure min./max.

Medium

Medium temperature min./max.

Ambient temperature min./max.

Pilot

Sealing principle

Max. particle size

Protection class, with Plug Mounted

Duty cycle

3/2-directional valve, electrically operated, Filling valve

Poppet valve, Can be assembled into blocks

1300 l/min

1300 l/min

380 l/min

3 bar / 10 bar

Compressed air

Neutral gases

-10°C / +50°C

-10°C / +50°C

internal

Soft sealing

25 µm

IP65

100 %

Materials:

Housing

Front plate

Seals

Threaded bushing

Polyamide

Acrylonitrile butadiene styrene

Acrylonitrile Butadiene Rubber

Die cast zinc

Technical Remarks

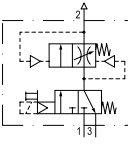
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

Operating voltage			Power consumption	Switch-on power		Holding power	
DC	AC 50 Hz	AC 60 Hz		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

	MO	Compressed air connection			Operating voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz			
								[W]	[VA]	
	-	G 1/4	G 1/4	G 1/4	-	-	-	-	-	R412006277
		G 1/4	G 1/4							R412006286
		G 3/8	G 3/8							R412006282
		G 3/8	G 3/8							R412006287

Filling unit, electrically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection

	MO	Compressed air connection			Operating voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	
								[W]	[VA]	
		G 1/4	G 1/4	G 1/4	24 V	-	-	2	-	R412006278
		G 1/4	G 1/4		-	110 V	110 V	-	1.6	R412006279
		G 1/4	G 1/4		-	220 V	230 V	-	1.6	R412006280
		G 3/8	G 3/8		24 V	-	-	2	-	R412006283
		G 3/8	G 3/8		-	110 V	110 V	-	1.6	R412006284
		G 3/8	G 3/8		-	220 V	230 V	-	1.6	R412006285
		G 1/4	G 1/4		24 V	-	-	2	-	R412006383

Part No.	Holding power	Switch-on power	Switch-on power	Electr. connection	Weight	Fig.	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Pilot valve			
	[VA]	[VA]	[VA]		[kg]		
R412006277	-	-	-	-	0.424	Fig. 1	3); 4); 9)
R412006286	-	-	-	-	0.424	Fig. 2	3); 5); 9)
R412006282	-	-	-	-	0.424	Fig. 1	3); 4); 9)
R412006287	-	-	-	-	0.424	Fig. 2	3); 5); 9)
R412006278	-	-	-	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006279	1.4	2.2	1.6	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006280	1.4	2.2	1.6	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006283	-	-	-	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006284	1.4	2.2	1.6	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006285	1.4	2.2	1.6	Plug ISO 15217, form C	0.424	Fig. 3	2); 6); 7); 8); 10)
R412006383	-	-	-	Plug M12x1	0.424	Fig. 4	1); 2); 6); 10)

1) With adjustment screw lock

2) IP65

3) Suitable for use in Ex zones 1, 2, 21, 22

4) Basic valve without pilot valve

5) Basic valve without pilot valve, with CNOMO subbase

6) Basic valve with pilot valve

7) Protected against polarity reversal

8) Connector standard: ISO 15217

9) ATEX optional

10) suitable for ATEX

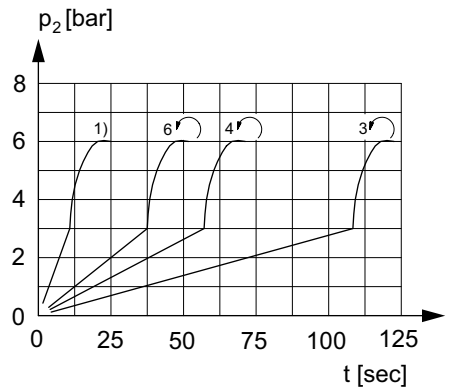
Nominal flow Q_n with secondary pressure p₂ = 6 bar at Δp = 1 bar

Preparation of compressed air ► Maintenance units and components

Filling unit, electrically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection

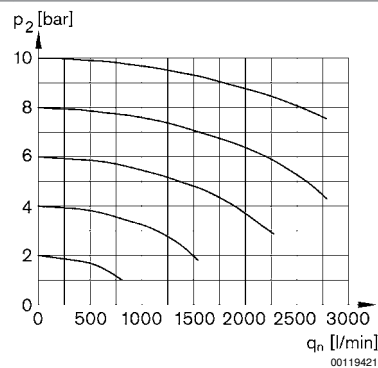
Secondary pressure while filling



00107182

adjustable filling
1) Fully opened
 p_2 = secondary pressure
 t = fill time

Flow rate characteristic

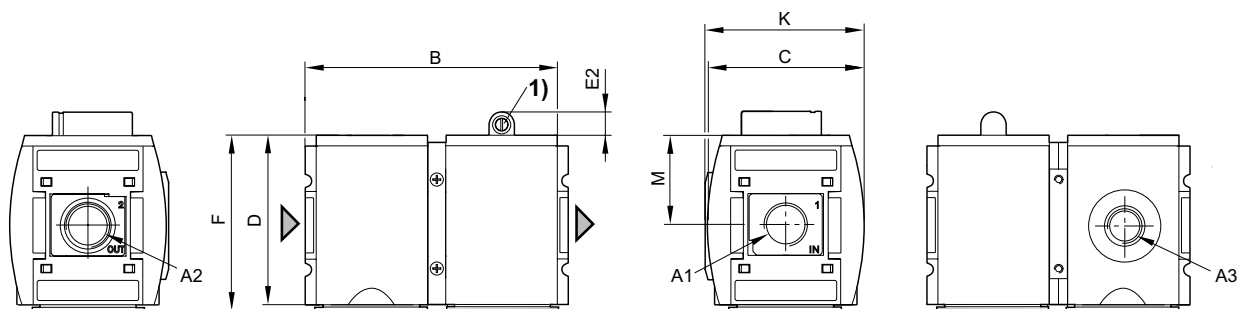


00119421

p_2 = secondary pressure
 q_n = nominal flow

Filling unit, electrically operated, Series AS2-SSU

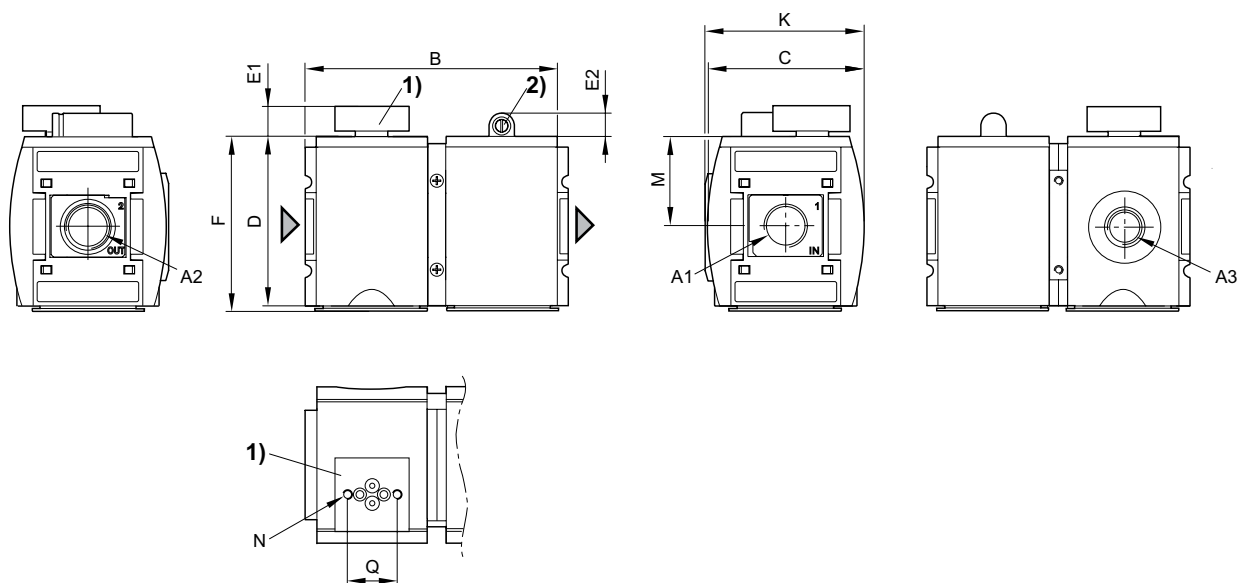
► G 1/4 - G 3/8 ► pipe connection

Fig. 1: Filling unit without pilot valve with porting configuration for series DO16


A1 = input
 A2 = output
 A3 = ventilation port
 1) Adjustment screw for filling time

00137951

A1	A2	A3	B	C	D	E2	F	K	M				
G 1/4	G 1/4	G 1/4	104	59	65	11	67	60.9	34				
G 3/8	G 3/8	G 1/4	104	59	65	11	67	60.5	34				

Fig. 2: Filling unit with transition plate for pilot valve series DO30


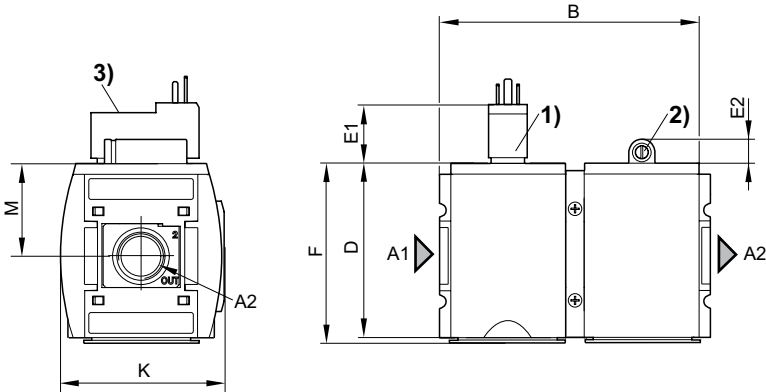
A1 = input
 A2 = output
 A3 = ventilation port
 1) Transition plate with CNOMO porting configuration for pilot valve DO30
 2) Adjustment screw for filling time

00130386

Filling unit, electrically operated, Series AS2-SSU
► G 1/4 - G 3/8 ► pipe connection

A1	A2	A3	B	C	D	E1	E2	F	K	M	N	Q	
G 1/4	G 1/4	G 1/4	104	59	65	11	11	67	60.9	34	M4	21	
G 3/8	G 3/8	G 1/4	104	59	65	11	11	67	60.5	34	M4	21	

Fig. 3: Filling unit with pilot valve and port for electrical connector form C

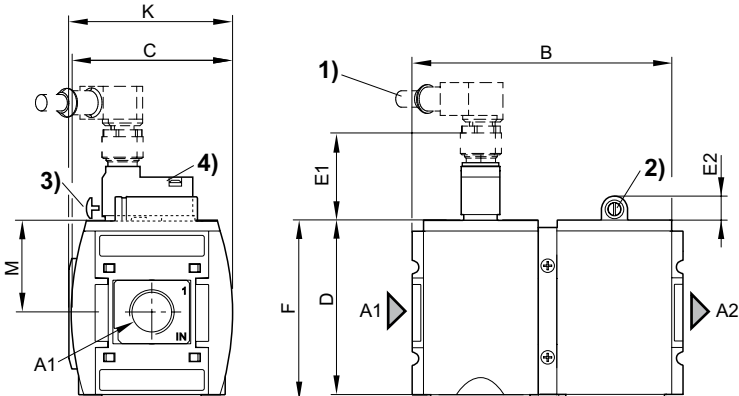


00133932_1

- A1 = input
A2 = output
1) Port for electrical connector according to ISO 15217 (form C)
2) Adjustment screw for filling time
3) Manual override

A1	A2	B	D	E1	E2	F	K	M					
G 1/4	G 1/4	104	65	22	11	67	60.9	34					
G 3/8	G 3/8	104	65	22	11	67	60.9	34					

Fig. 4: Filling unit with pilot valve, push-in fitting M12x1



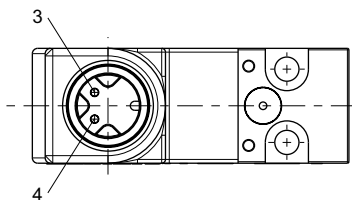
20445

- A1 = input
A2 = output
1) Port for plug M12x1
2) Adjustment screw for filling time
3) Adjustment screw lock
4) Manual override

Filling unit, electrically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection

A1	A2	B	C	D	E1	E2	F	K	M				
G 1/4	G 1/4	104	59	65	39	11	67	60.9	34				

Pin assignment M12x1


20438

3: +/-

4: +/-

Preparation of compressed air ► Maintenance units and components

Filling unit, electrically operated, Series AS2-SSU

► Poppet valve with elect. priority circuit ► G 1/4 ► Electr. connection: Plug, M12x1



00134295_a

Parts	3/2-directional valve, electrically operated, Filling valve with elect. priority circuit
Version	Poppet valve, Can be assembled into blocks
Nominal flow	2000 l/min
Nominal flow, 1►2	2000 l/min
Nominal flow, 2►3	380 l/min
Working pressure min./max.	3 bar / 10 bar
Medium	Compressed air
	Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Pilot	internal
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class, with Plug Mounted	IP65
Duty cycle	100 %
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc

Technical Remarks

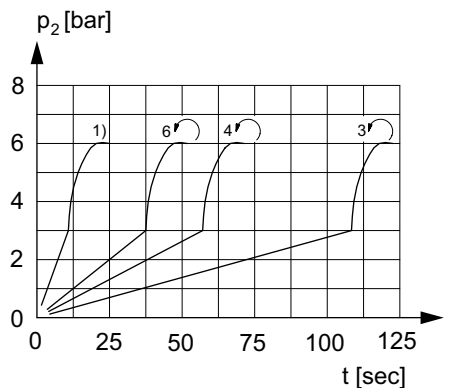
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids dangerous, jerky cylinder movements.
- Actuating the electric priority circuit disrupts the slow pressure build-up and pressure p1 is immediately applied.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

Operating voltage	Power consumption
DC	DC
	W
24 V	2

	MO	Compressed air connection			Operating voltage	Power consumption	Weight	Note	Part No.
		Input	Output	Exhaust	DC	DC			
						[W]	[kg]		
		G 1/4	G 1/4	G 1/4	24 V	2	0.424	1)	R412006384
1) With adjustment screw lock Basic valve with pilot valve Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar									

Filling unit, electrically operated, Series AS2-SSU

▶ Poppet valve with elect. priority circuit ▶ G 1/4 ▶ Electr. connection: Plug, M12x1

Secondary pressure while filling


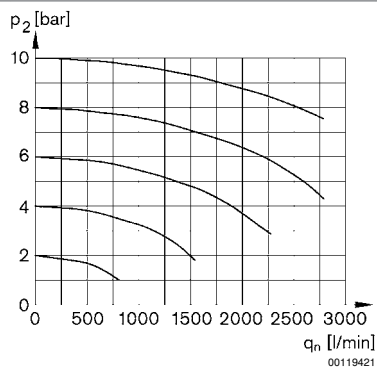
00107182

adjustable filling

1) Fully opened

 p_2 = secondary pressure

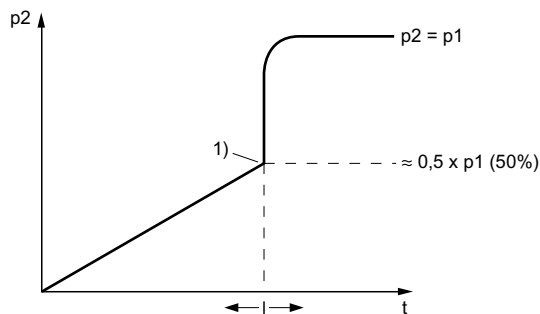
 t = fill time

Flow rate characteristic


00119421

 p_2 = secondary pressure

 q_n = nominal flow

Start function


00133950

 p_1 = working pressure

 p_2 = output pressure

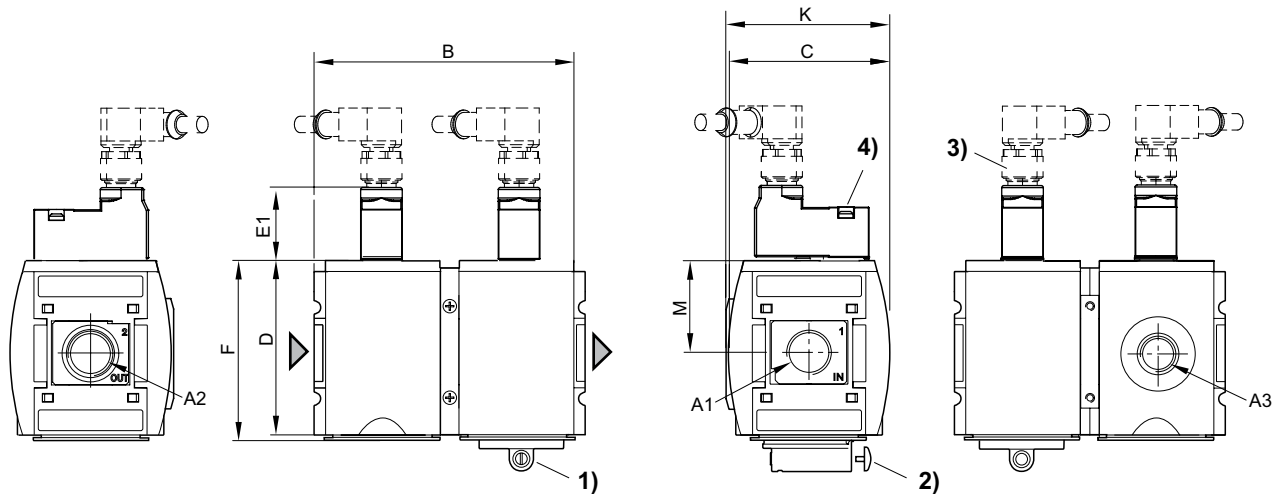
 t = adjustable filling time

1) Switching point

Filling unit, electrically operated, Series AS2-SSU

► Poppet valve with elect. priority circuit ► G 1/4 ► Electr. connection: Plug, M12x1

Dimensions

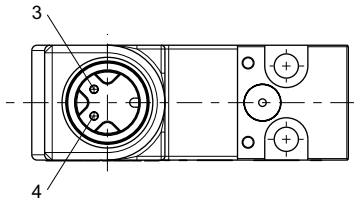


20444

- A1 = input
- A2 = output
- A3 = ventilation port
- 1) Adjustment screw for filling time
- 2) Adjustment screw lock
- 3) plug M12
- 4) Manual override

A1	A2	A3	B	C	D	E1	F	K	M				
G 1/4	G 1/4	G 1/4	104	59	65	39	67	60.9	34				

Pin assignment M12x1



20438

- 3: +/-
- 4: +/-

Filling unit, pneumatically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX



00119379

Parts	3/2-directional valve, pneumatically operated, Filling valve
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Pilot	internal
Sealing principle	Soft sealing
Control pressure min./max.	3 bar / 16 bar
Max. particle size	40 µm
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Exhaust	Qn			Weight	Note	Part No.
				1►2	2►3			
				[l/min]		[kg]		
	G 1/4	G 1/4	2000	2000	380	0.424	-	R412006276
	G 1/4						1)	R412006289
	G 3/8						-	R412006281

1) With adjustment screw lock

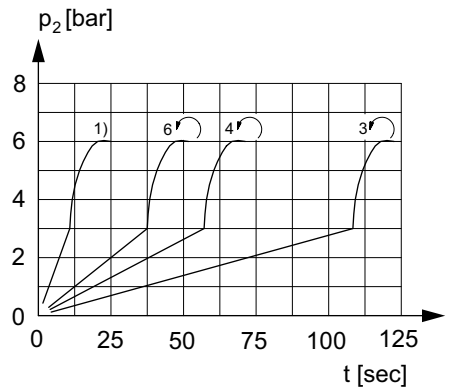
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Preparation of compressed air ► Maintenance units and components

Filling unit, pneumatically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

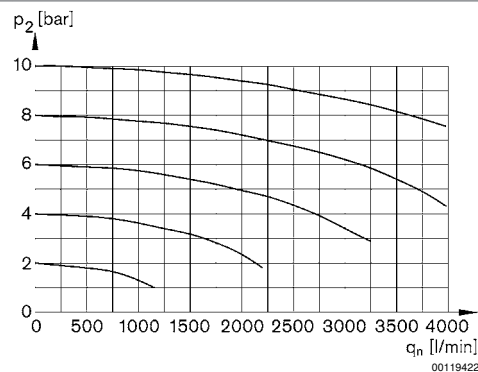
Secondary pressure while filling



00107182

adjustable filling
1) Fully opened
p2 = secondary pressure
t = fill time

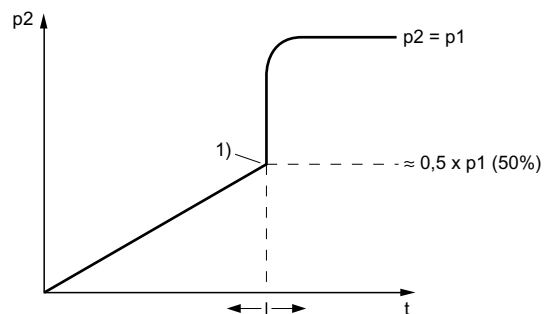
Flow rate characteristic



00119422

p2 = secondary pressure
qn = nominal flow

Start function



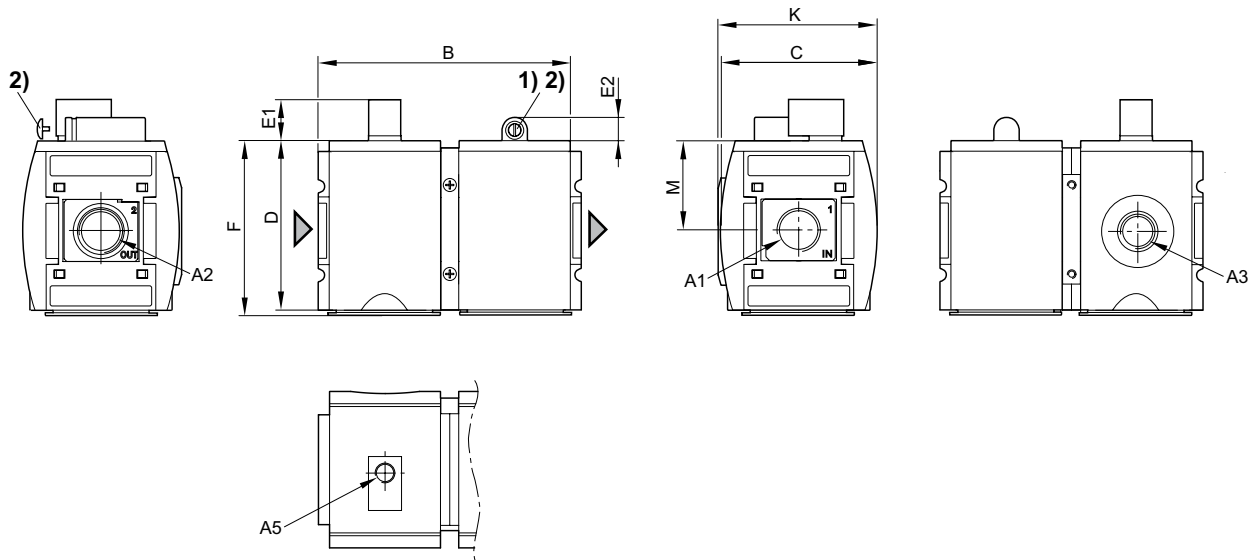
00133950

p1 = working pressure
p2 = output pressure
t = adjustable filling time
1) Switching point

Filling unit, pneumatically operated, Series AS2-SSU

▶ G 1/4 - G 3/8 ▶ pipe connection ▶ suitable for ATEX

Dimensions



00130384

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

A1	A2	A3	A5	B	C	D	E1	E2	F	K	M		
G 1/4	G 1/4	G 1/4	G 1/8	104	59	65	17	11	67	60.9	34		
G 3/8	G 3/8	G 1/4	G 1/8	104	59	65	17	11	67	60.9	34		

Preparation of compressed air ► Maintenance units and components

Filling unit, pneumatically operated, Series AS2-SSU

► adjustable filling time ► G 1/4 ► pipe connection

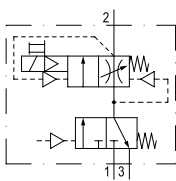


00134310

Parts	3/2-directional valve, pneumatically operated, Filling valve with elect. priority circuit
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air
	Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Pilot	internal
Sealing principle	Soft sealing
Control pressure min./max.	3 bar / 16 bar
Max. particle size	25 µm
Protection class, with Plug	IP65
Duty cycle	100 %
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc

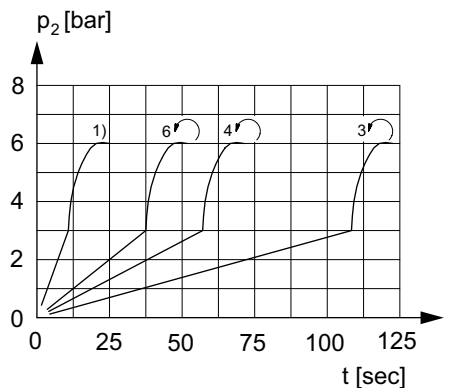
Technical Remarks

- 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.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

	Port	Exhaust	Qn		Weight	Part No.	
			1 ► 2	2 ► 3			
			[l/min]		[kg]		
	G 1/4	G 1/4	2000	2000	380	0.424	R412006382
Electr. connection: M12x1 electrical connector							
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar							

Filling unit, pneumatically operated, Series AS2-SSU

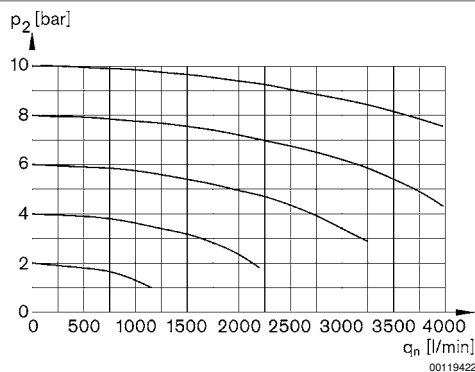
► adjustable filling time ► G 1/4 ► pipe connection

Secondary pressure while filling


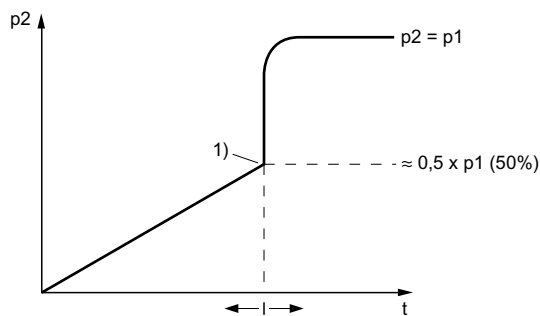
00107182

adjustable filling time

1) Fully opened

 p_2 = secondary pressure t = fill time
Flow rate characteristic


00119422

 p_2 = secondary pressure q_n = nominal flow
Start function


00133950

 p_2 = output pressure t = adjustable filling time

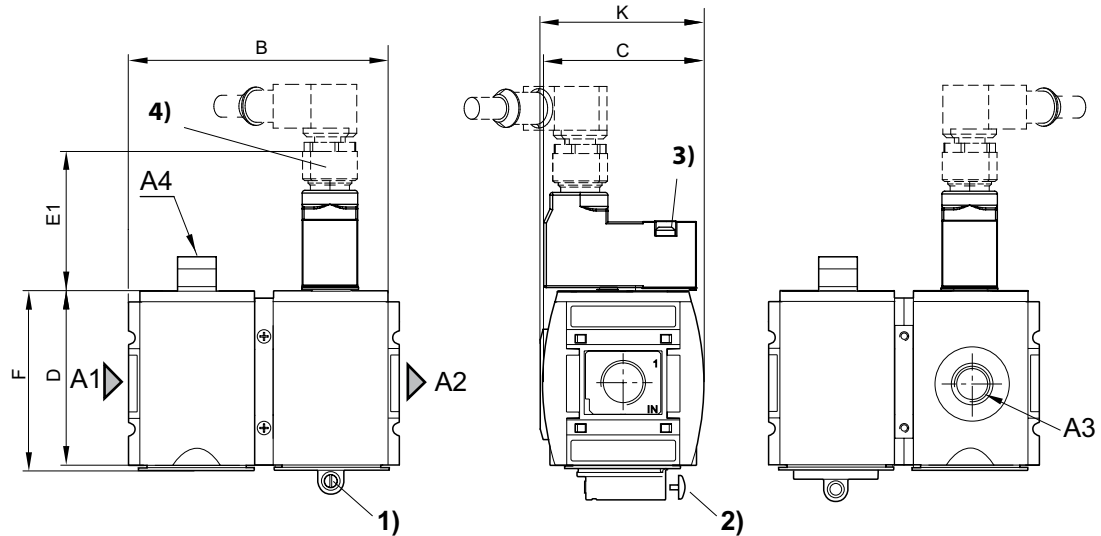
1) Switching point

Preparation of compressed air ► Maintenance units and components

Filling unit, pneumatically operated, Series AS2-SSU

► adjustable filling time ► G 1/4 ► pipe connection

Dimensions

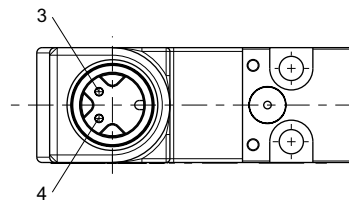


20443

- A1 = input
A2 = output
A3 = ventilation port
A4 = control pressure connection
1) Adjustment screw for filling time
2) Adjustment screw lock
3) plug M12
4) Manual override

A1	A2	A3	A4	B	C	D	E1	F	K				
G 1/4	G 1/4	G 1/4	G 1/8	104	59	65	39	67	60.9				

Pin assignment M12x1



20438

- 3: +/-
4: +/-

Filling valve, pneumatically operated, Series AS2-SSV

► G 1/4 - G 3/8 ► suitable for ATEX



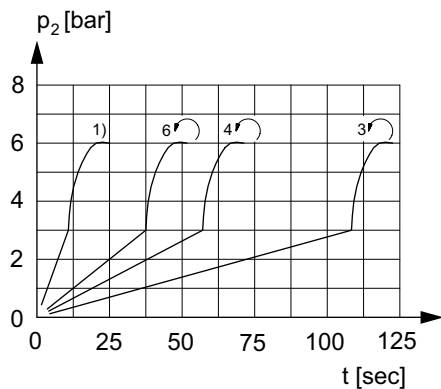
00119380

Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	3 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Sealing principle	Soft sealing
Max. particle size	40 µm
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

	Port	Qn	Weight	Note	Part No.
		[l/min]	[kg]		
	G 1/4	2000	0.203	-	R412006272
	G 1/4			1)	R412006275
	G 3/8			-	R412006273
1) With adjustment screw lock Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

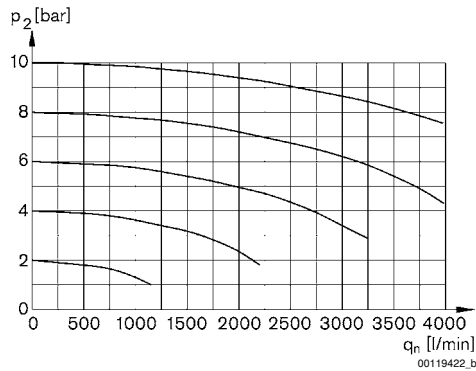
Secondary pressure while filling


00107182

adjustable filling
 1) Fully opened
 p₂ = secondary pressure
 t = fill time

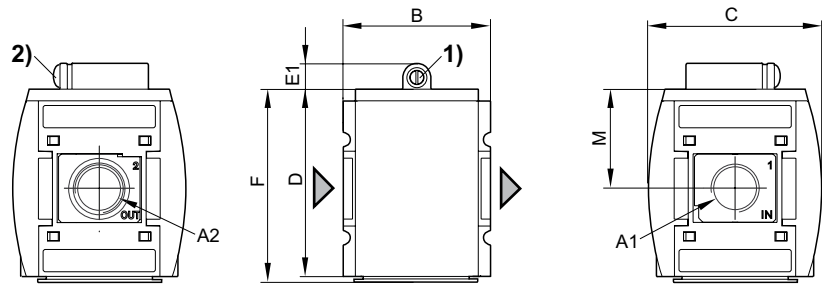
Filling valve, pneumatically operated, Series AS2-SSV
▶ G 1/4 - G 3/8 ▶ suitable for ATEX

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Dimensions



00127661

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

A1	A2	B	C	D	E1	F	M							
G 1/4	G 1/4	52	59	65	11	67	34							
G 3/8	G 3/8	52	59	65	11	67	34							

Filling valve, pneumatically operated, Series AS2-SSV

► adjustable filling time and change-over pressure ► G 1/4



00134296

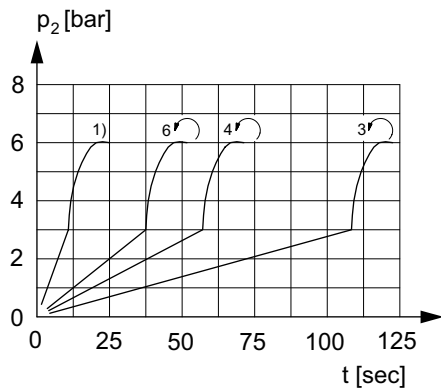
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	3 bar / 16 bar
Medium	Compressed air
	Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Sealing principle	Soft sealing
Max. particle size	40 µm
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- adjustable filling time and change-over pressure
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

	Port	Exhaust	Qn	Weight	Part No.
			[l/min]	[kg]	
	G 1/4				R412006245
	G 3/8	G 3/8	2000	0.203	R412006246

 Nominal flow Qn with secondary pressure p₂ = 6 bar at Δp = 1 bar

Secondary pressure while filling


00107182

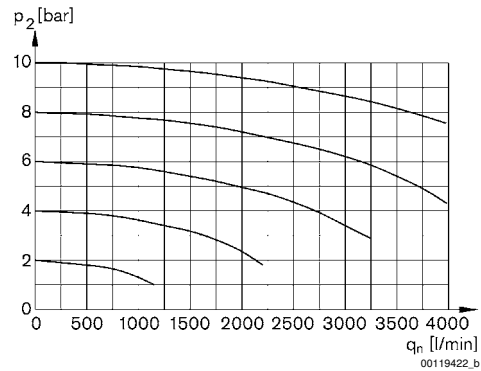
 adjustable filling
 1) Fully opened
 p₂ = secondary pressure
 t = filling time

Preparation of compressed air ► Maintenance units and components

Filling valve, pneumatically operated, Series AS2-SSV

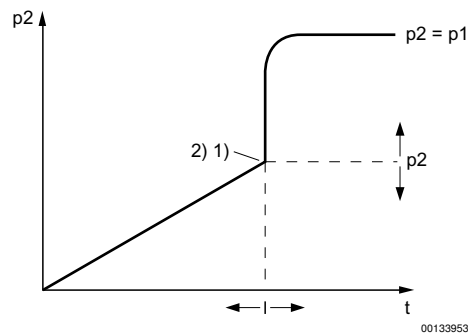
► adjustable filling time and change-over pressure ► G 1/4

Flow rate characteristic



p_2 = secondary pressure
 q_n = nominal flow

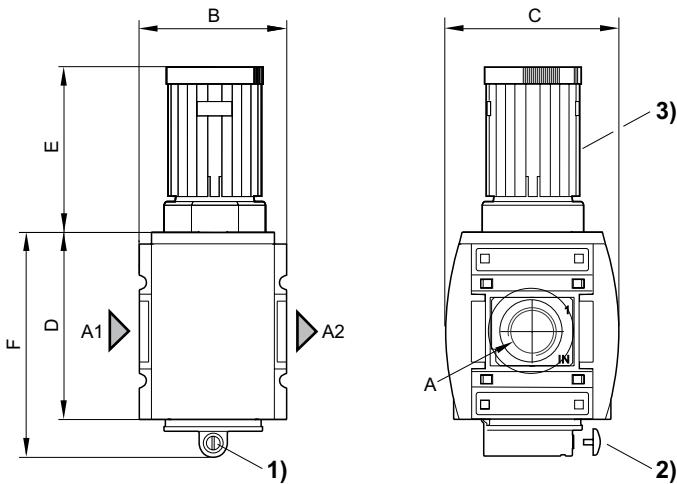
Start function



p_2 = output pressure
 t = adjustable filling time
 1) Switching point
 2) adjustable filling time and change-over pressure

Filling valve, pneumatically operated, Series AS2-SSV
▶ adjustable filling time and change-over pressure ▶ G 1/4

Dimensions



00127869

- A1 = input
A2 = output
1) Adjustment screw for filling time
2) Adjustment screw lock
3) handwheel for change-over pressure

A1	A2	B	C	D	E	F							
G 1/4	G 1/4	52	59	65	57.9	79							
G 3/8	G 3/8	52	59	65	57.9	79							

Preparation of compressed air ► Maintenance units and components

Filling unit, pneumatically operated, Series AS2-SSV

► Poppet valve with elect. priority circuit ► G 1/4



00134293_a

Version

Working pressure min./max.

Medium

Medium temperature min./max.

Ambient temperature min./max.

Sealing principle

Max. particle size

Protection class, with Plug

Einschaltdauer

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

3 bar / 10 bar

Compressed air

Neutral gases

-10 °C / +50 °C

-10 °C / +50 °C

Soft sealing

25 µm

IP65

100 %

Materials:

Housing

Front plate

Seals

Threaded bushing

Polyamide

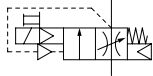
Acrylonitrile butadiene styrene

Acrylonitrile Butadiene Rubber

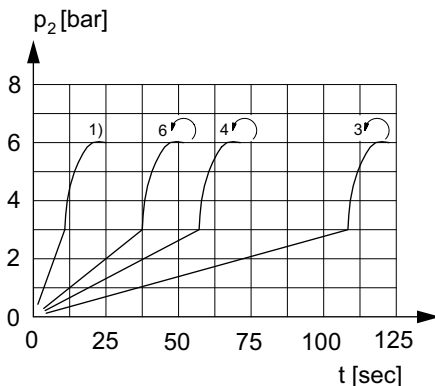
Die cast zinc

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.
- Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

		Port	Qn [l/min]	Weight [kg]	Part No.
		G 1/4	2000	0.203	R412006379
Electr. connection: M12x1 electrical connector Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Secondary pressure while filling



00107182

adjustable filling

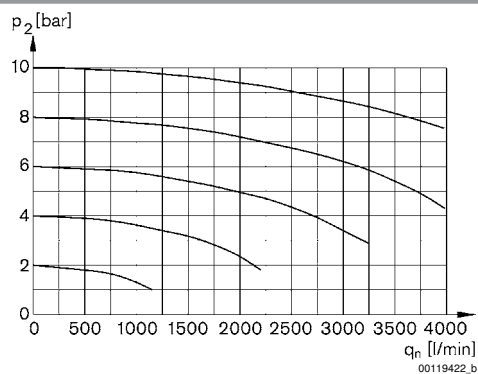
1) Fully opened

p2 = secondary pressure

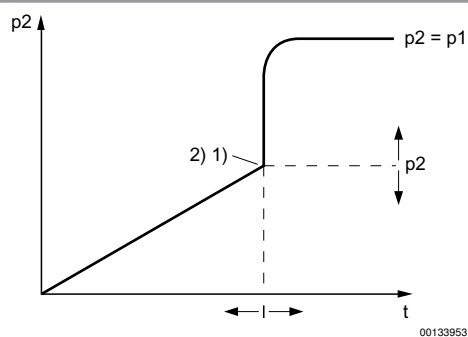
t = fill time

Filling unit, pneumatically operated, Series AS2-SSV

► Poppet valve with elect. priority circuit ► G 1/4

Flow rate characteristic


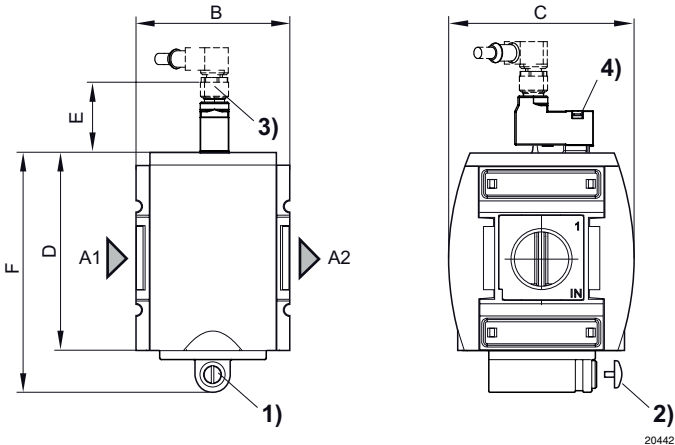
p_2 = secondary pressure
 q_n = nominal flow

Start function


p_1 = working pressure
 p_2 = output pressure
 t = adjustable filling time
 1) Switching point
 2) adjustable filling time and change-over pressure

Filling unit, pneumatically operated, Series AS2-SSV
► Poppet valve with elect. priority circuit ► G 1/4

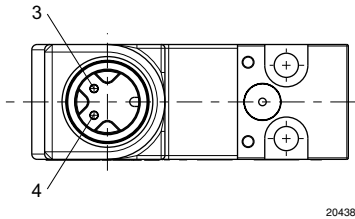
Dimensions



- A1 = input
A2 = output
1) Adjustment screw for filling time
2) Adjustment screw lock
3) plug M12
4) Manual override

A1	A2	B	C	D	E	F							
G 1/4	G 1/4	52	59	65	39	79							

Pin assignment M12x1



- 3: +/-
4: +/-

2/2-directional valve, electrically operated, Series AS2-SOV

► G 3/8 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C



00133928_a

Version	Poppet valve, Can be assembled into blocks
Nominal flow	2000 l/min
Working pressure min./max.	3 bar / 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class, with Plug Mounted	IP65
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.

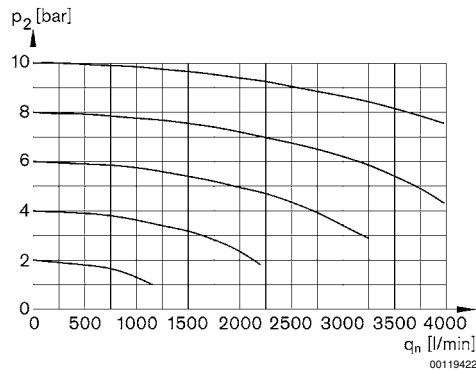
Operating voltage	Power consumption
DC	DC
	W
24 V	2

	MO	Compressed air connection		Operating voltage	Power consumption	Weight	Part No.
		Input	Output	DC	DC		
					[W]	[kg]	
		G 3/8	G 3/8	24 V	2	0.291	R412006294

Basic valve with pilot valve
Protected against polarity reversal
Nominal flow Q_n with secondary pressure p₂ = 6 bar at Δp = 1 bar

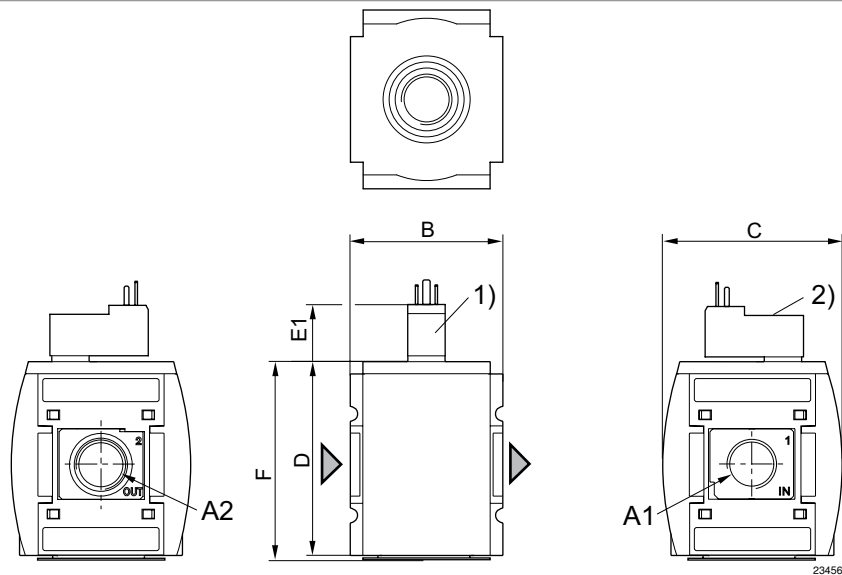
2/2-directional valve, electrically operated, Series AS2-SOV
▶ G 3/8 ▶ pipe connection ▶ Electr. connection: Plug, ISO 15217, form C

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Dimensions



A1 = input
A2 = output
1) Port for electrical connector according to ISO 15217 (form C)
2) Manual override

A1	A2	B	C	D	E1	F							
G 3/8	G 3/8	52	59	65	22	67							

3/2-directional valve, electrically operated, Series AS2-SOV

► G 1/4 - G 3/8 ► pipe connection ► ATEX optional



00133928_b

Version	Poppet valve, Can be assembled into blocks
Nominal flow	See table below
Nominal flow, 1►2	2000 l/min
Nominal flow, 2►3	380 l/min
Working pressure min./max.	3 bar / 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Sealing principle	Soft sealing
Max. particle size	25 µm
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- ATEX optional: The ATEX ID depends on the selected pilot valve.
- A short silencer is required for wall mounting (see accessories e.g. R412004817).

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

	MO	Compressed air connection			Operating voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	
								[W]	[VA]	
	-	G 1/4	G 1/4	G 1/4	-	-	-	-	-	R412006264
		G 3/8	G 3/8							R412006268
		G 1/4	G 1/4							R412006258
		G 3/8	G 3/8							R412006259
	=	G 1/4	G 1/4	G 1/4	24 V	-	-	2	-	R412006265
		G 1/4	G 1/4		-	110 V	110 V	-	1.6	R412006266
		G 1/4	G 1/4		-	220 V	230 V	-	1.6	R412006267
		G 3/8	G 3/8		24 V	-	-	2	-	R412006269
		G 3/8	G 3/8		-	110 V	110 V	-	1.6	R412006270
		G 3/8	G 3/8		-	220 V	230 V	-	1.6	R412006271
		G 1/4	G 1/4		24 V	-	-	2	-	R412006380
		G 3/8	G 3/8		24 V	-	-	2	-	R412006381

Preparation of compressed air ► Maintenance units and components

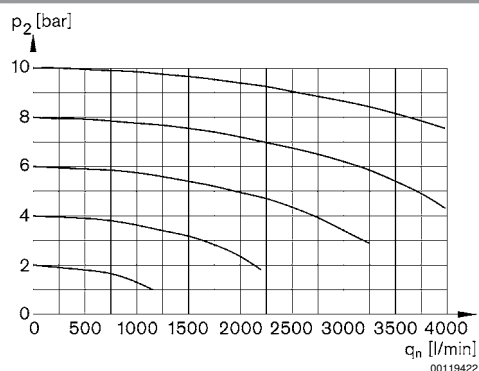
3/2-directional valve, electrically operated, Series AS2-SOV

► G 1/4 - G 3/8 ► pipe connection ► ATEX optional

Part No.	Holding power	Switch-on power	Switch-on power	Flow rate value	Protection class	Electr. connection	Weight	Fig.	Note
	AC 60 Hz	AC 50 Hz	AC 60 Hz	Qn		Pilot valve			
	[VA]	[VA]	[VA]	[l/min]			[kg]		
R412006264	-	-	-	2000	-	-	0.219	Fig. 1	1); 2)
R412006268	-	-	-	2000	-	-	0.219	Fig. 1	1); 2)
R412006258	-	-	-	2000	-	-	0.219	Fig. 2	1); 3)
R412006259	-	-	-	2000	-	-	0.219	Fig. 2	1); 3)
R412006265	-	-	-	2000	IP65	Plug ISO 15217, form C	0.219	Fig. 3	4); 5); 6)
R412006266	1.4	2.2	1.6	2000		Plug ISO 15217, form C		Fig. 3	4); 5); 6)
R412006267	1.4	2.2	1.6	2000		Plug ISO 15217, form C		Fig. 3	4); 5); 6)
R412006269	-	-	-	2000		Plug ISO 15217, form C		Fig. 3	4); 5); 6)
R412006270	1.4	2.2	1.6	2000		Plug ISO 15217, form C		Fig. 3	4); 5); 6)
R412006271	1.4	2.2	1.6	2000		Plug ISO 15217, form C		Fig. 3	4); 5); 6)
R412006380	-	-	-	2000		Plug M12x1		Fig. 4	4)
R412006381	-	-	-	-		Plug M12x1		Fig. 4	4)

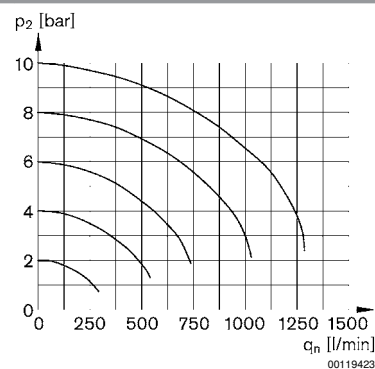
1) Suitable for use in Ex zones 1, 2, 21, 22
2) Basic valve without pilot valve
3) Basic valve without pilot valve, with CNOMO subbase
4) Basic valve with pilot valve
5) Protected against polarity reversal
6) Connector standard: ISO 15217
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

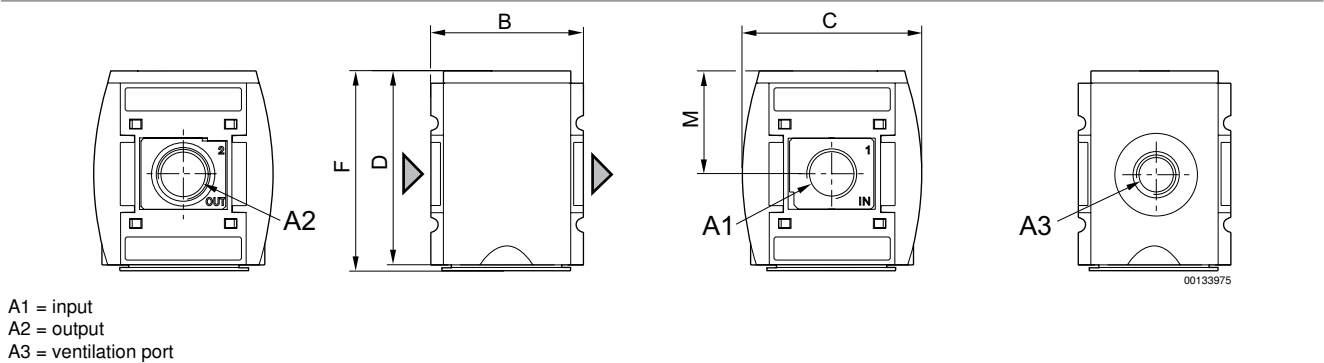
Rear exhaust



p2 = secondary pressure
qn = nominal flow

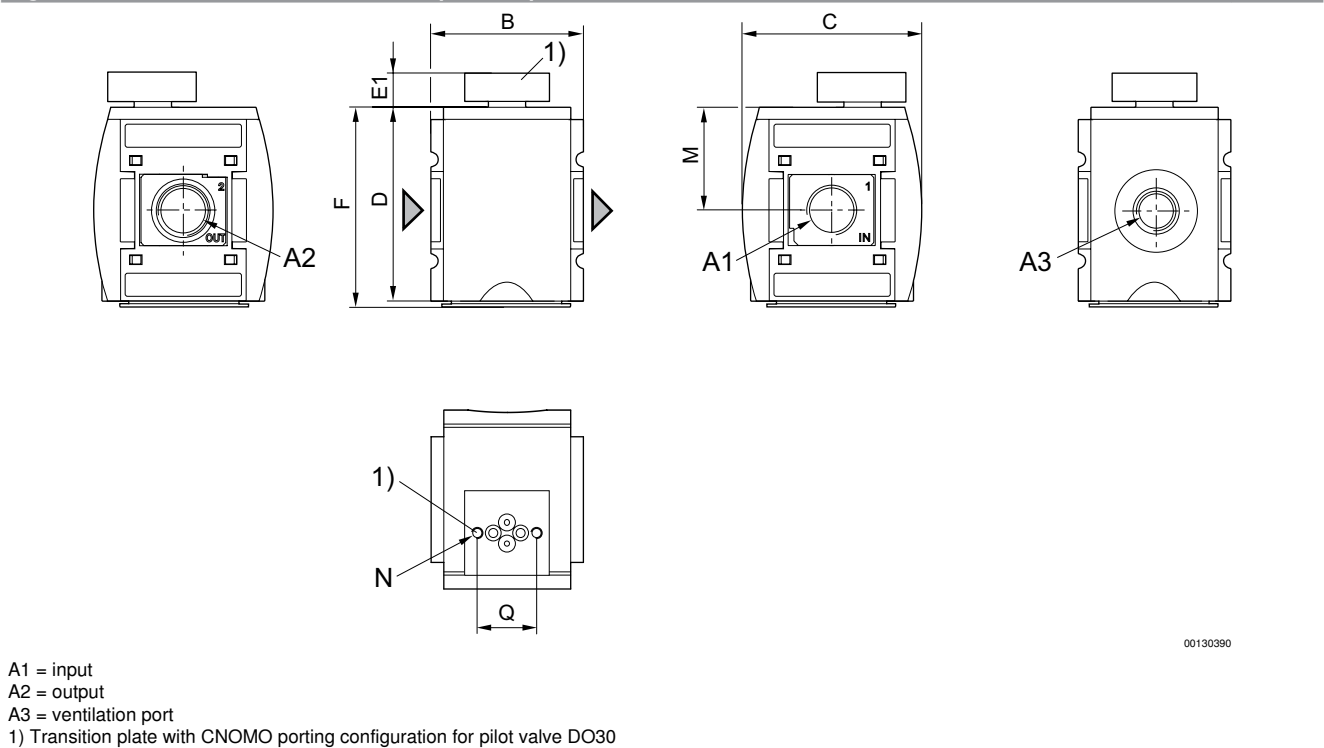
3/2-directional valve, electrically operated, Series AS2-SOV
▶ G 1/4 - G 3/8 ▶ pipe connection ▶ ATEX optional

Fig. 1: 3/2-directional valve without pilot valve with porting configuration for series DO16



A1	A2	A3	B	C	D	F	M						
G 1/4	G 1/4	G 1/4	52	59	65	67	34						
G 3/8	G 3/8	G 1/4	52	59	65	67	34						

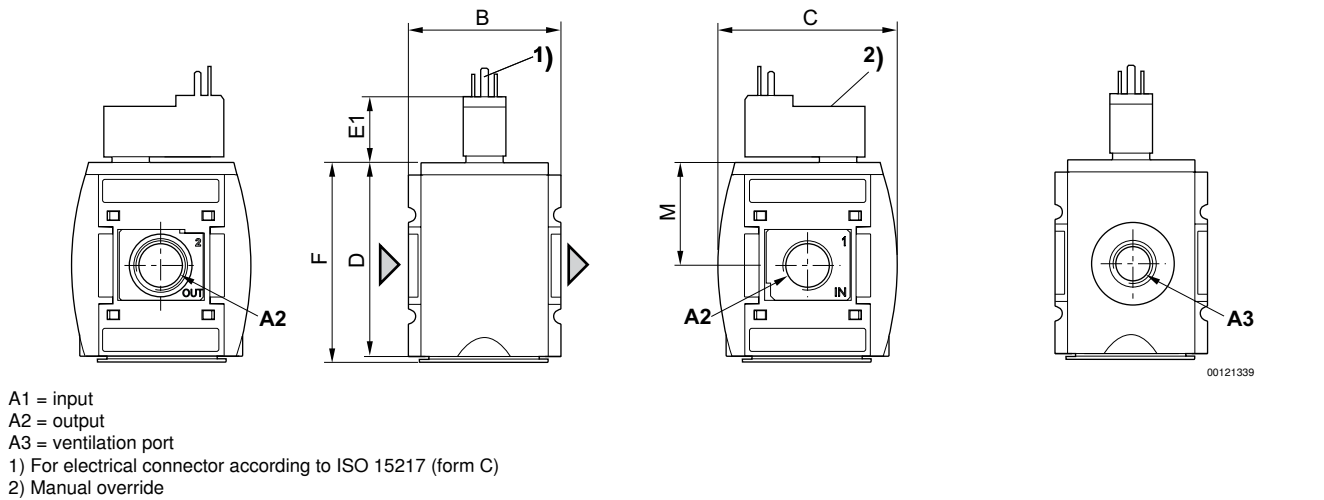
Fig. 2: 3/2-directional valve with transition plate for pilot valve series DO30



A1	A2	A3	B	C	D	E1	F	M	N	Q			
G 1/4	G 1/4	G 1/4	52	59	65	11	67	34	M4	21			
G 3/8	G 3/8	G 1/4	52	59	65	11	67	34	M4	21			

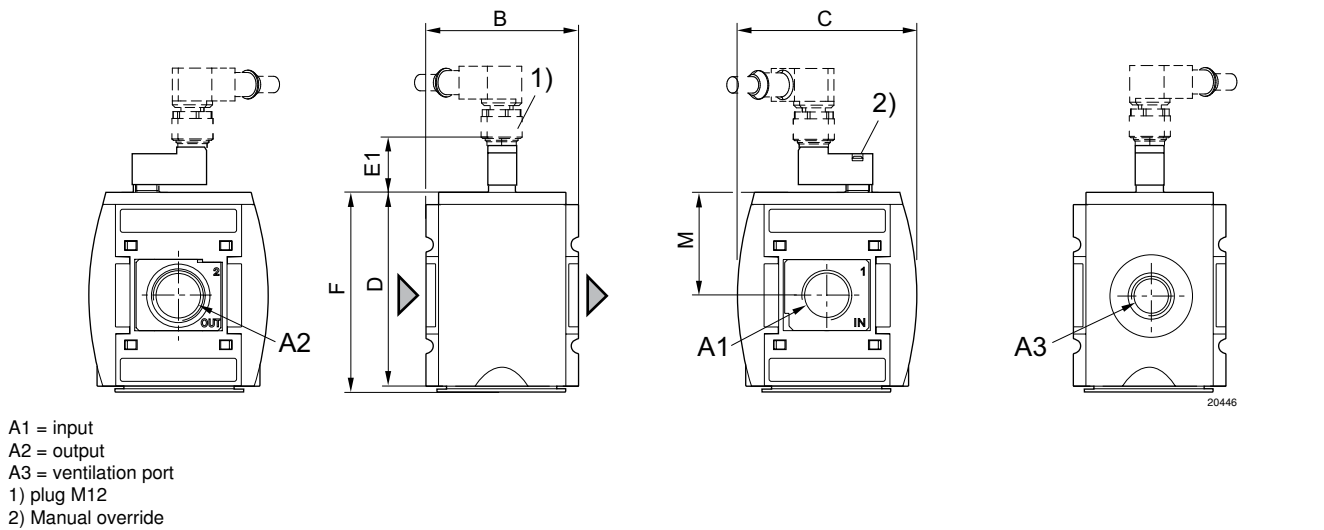
3/2-directional valve, electrically operated, Series AS2-SOV
▶ G 1/4 - G 3/8 ▶ pipe connection ▶ ATEX optional

Fig. 3: 3/2-directional valve with pilot valve and port for electrical connector form C



A1	A2	A3	B	C	D	F	M						
G 1/4	G 1/4	G 1/4	52	59	65	67	34						
G 3/8	G 3/8	G 1/4	52	59	65	67	34						

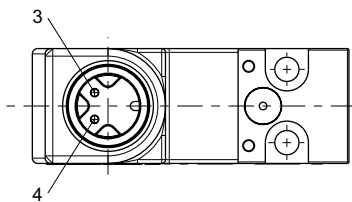
Fig. 4: 3/2-directional valve with pilot valve, push-in fitting M12x1



A1	A2	A3	B	C	D	E1	F	M					
G 1/4	G 1/4	G 1/4	52	59	65	39	67	34					

3/2-directional valve, electrically operated, Series AS2-SOV

► G 1/4 - G 3/8 ► pipe connection ► ATEX optional

Pin assignment M12x1

20438

3: +/-

4: +/-

Preparation of compressed air ► Maintenance units and components

3/2-directional valve, pneumatically operated, Series AS2-SOV

► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX



00119377

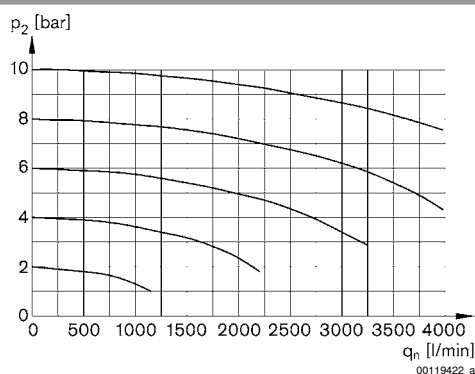
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air
	Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Sealing principle	Soft sealing
Control pressure min./max.	3 bar / 16 bar
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
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.
- A short silencer is required for wall mounting (see accessories e.g. R412004817).
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Exhaust	Qn		Weight	Part No.
			1►2	2►3		
			[l/min]		[kg]	
	G 1/4					R412006262
	G 3/8	G 1/4	2000	2000	380	0.219
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar						

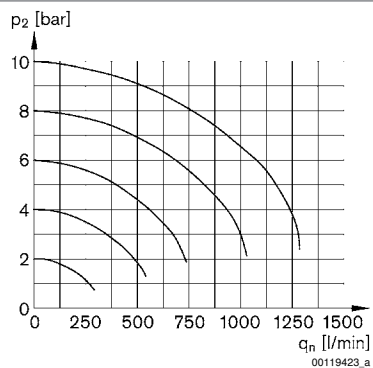
Flow rate characteristic



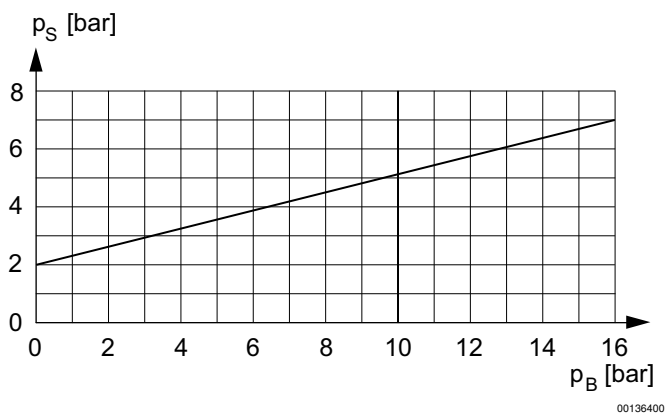
p2 = secondary pressure
qn = nominal flow

3/2-directional valve, pneumatically operated, Series AS2-SOV

► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

Rear exhaust


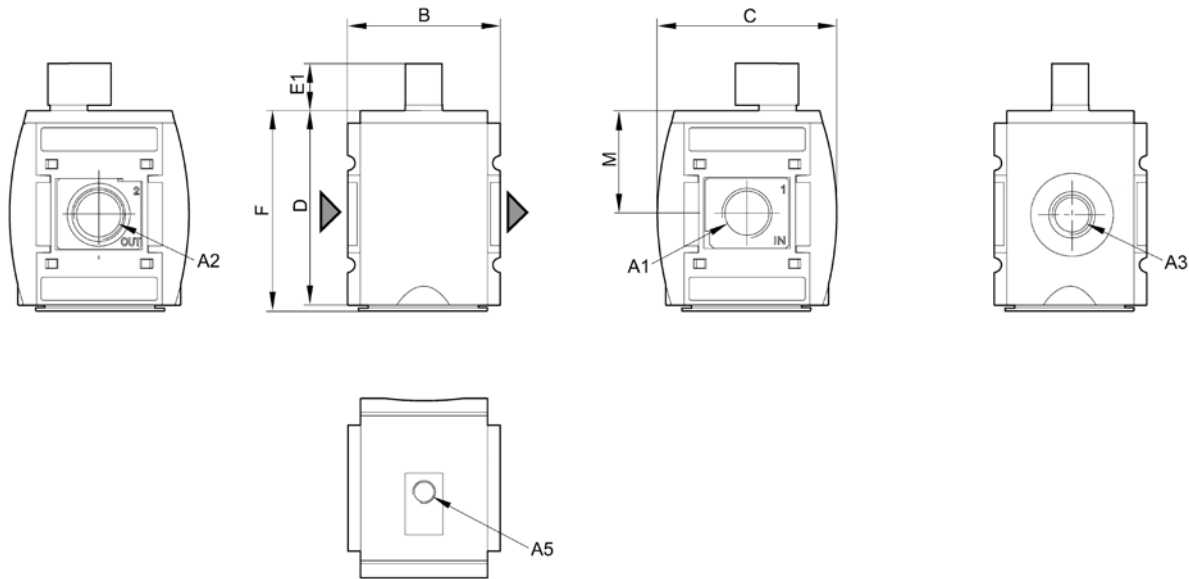
p_2 = secondary pressure
 q_n = nominal flow

control pressure characteristic


minimum pilot pressure depending on working pressure
 p_s = control pressure
 p_B = Working pressure

3/2-directional valve, pneumatically operated, Series AS2-SOV
▶ G 1/4 - G 3/8 ▶ pipe connection ▶ suitable for ATEX

Dimensions



A1 = input
A2 = output
A3 = ventilation port
A5 = control pressure connection

00121342

A1	A2	A3	A5	B	C	D	E1	F	M				
G 1/4	G 1/4	G 1/4	G 1/8	52	59	65	17	67	34				
G 3/8	G 3/8	G 1/4	G 1/8	52	59	65	17	67	34				

3/2-shut-off valve, mechanically operated, Series AS2-SOV-...-MAN

► G 1/4 - G 3/8 ► suitable for ATEX



00119374

Version

 Working pressure min./max.
Medium

 Medium temperature min./max.
Ambient temperature min./max.
Actuating element+
Sealing principle
Max. particle size

Materials:

 Housing
Front plate
Seals
Threaded bushing
Actuating element+

 Poppet valve, Can be assembled into blocks
for padlocks

lockable

0 bar / 16 bar

 Compressed air
Neutral gases

-10 °C / +50 °C

-10 °C / +50 °C

rotary switch

Soft sealing

25 µm

Polyamide

Acrylonitrile butadiene styrene

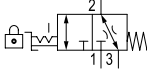
Acrylonitrile Butadiene Rubber

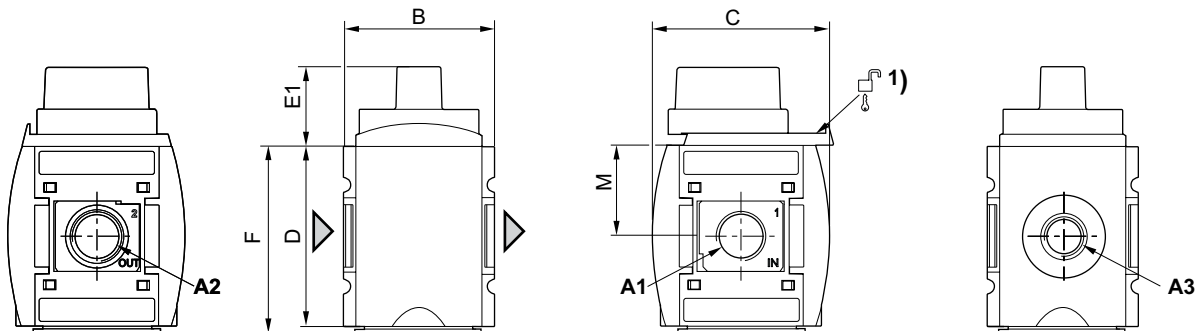
Die cast zinc

Polyoxymethylene

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- A short silencer is required for wall mounting (see accessories e.g. R412004817).
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Exhaust	Qn		Weight	Note	Part No.
			1▶2	2▶3			
			[l/min]		[kg]		
	G 1/4 G 3/8 G 1/4 G 3/8	G 1/4	2000	380	0.206	1) 1) 2) 2)	R412006260 R412006261 R412006256 R412006257
1) Locking base: Polyoxymethylene 2) Locking base: Steel Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar							

Dimensions


00121343

A1 = input

A2 = output

A3 = ventilation port

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

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Preparation of compressed air ► Maintenance units and components
3/2-shut-off valve, mechanically operated, Series AS2-SOV-...-MAN

► G 1/4 - G 3/8 ► suitable for ATEX

A1	A2	A3	B	C	D	E1	F	M					
G 1/4	G 1/4	G 1/4	52	59	65	20.5	67	34					
G 3/8	G 3/8	G 1/4	52	59	65	20.5	67	34					

Distributor, Series AS2-DIS
► G 1/4 - G 3/8 ► Distributor 3x ► suitable for ATEX


00119389

Version
 Mounting orientation
 Working pressure min./max.
 Medium
 Medium temperature min./max.
 Ambient temperature min./max.

Materials:
 Housing
 Front plate
 Seals
 Threaded bushing

Can be assembled into blocks
 Any
 0 bar / 16 bar
 Compressed air
 Neutral gases
 -10°C / +50°C
 -10°C / +50°C

Polyamide
 Acrylonitrile butadiene styrene
 Acrylonitrile Butadiene Rubber
 Die cast zinc

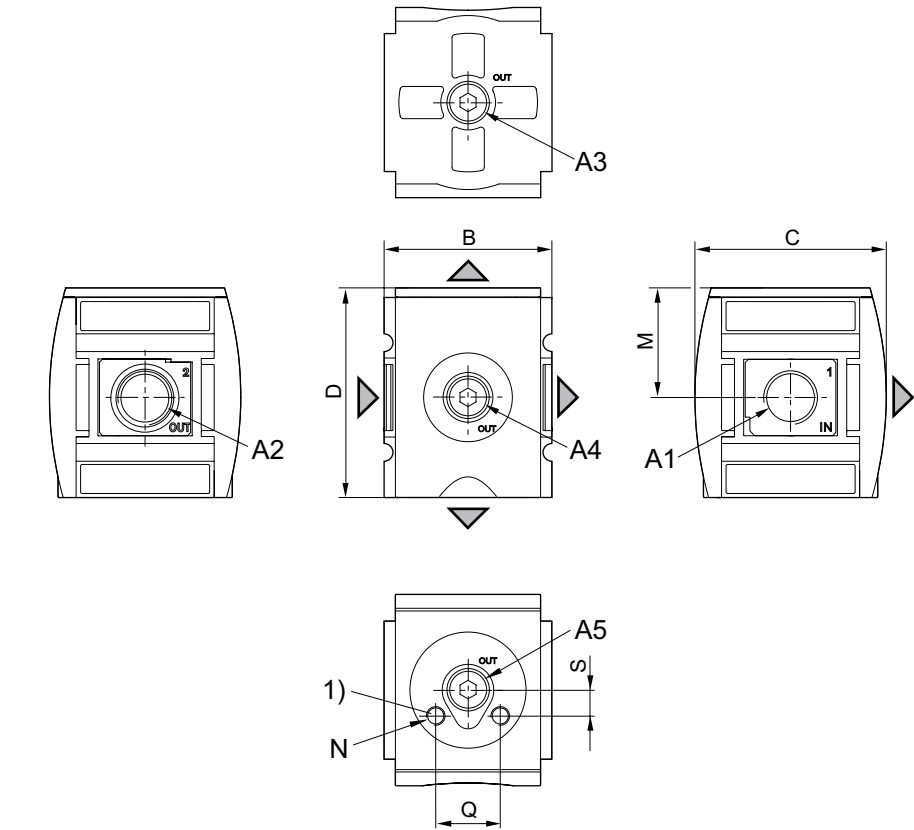
Technical Remarks

- Suitable for direct mounting of a PE1 and PM1 series pressure sensor (flange version)
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Qn				Weight	Part No.
		1 ► 2	1 ► 3	1 ► 4	1 ► 5		
		[l/min]				[kg]	
	G 1/4	2700					R412006250
	G 3/8	3600	2000	900	2000	0.25	R412006251
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar							

Distributor, Series AS2-DIS
► G 1/4 - G 3/8 ► Distributor 3x ► suitable for ATEX

Dimensions



00121220

- A1 = input
A2 = output
A3 = output
A4 = output
A5 = output
1) Mounting thread for pressure sensor

A1	A2	A3	A4	A5	B	C	D	M	N	Q	S		
G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	52	59	65	34	M5	20	8		
G 3/8	G 3/8	G 1/4	G 1/4	G 1/4	52	59	65	34	M5	20	8		

Distributor, Series AS2-DIN
► G 1/4 - G 3/8 ► Distributor 1x ► Non-return valve ► suitable for ATEX


00134315

Version
 Mounting orientation
 Working pressure min./max.
 Medium
 Medium temperature min./max.
 Ambient temperature min./max.

Materials:
 Housing
 Front plate
 Seals
 Threaded bushing

Non-return valve, Can be assembled into blocks
 Any
 0.4 bar / 16 bar
 Compressed air
 Neutral gases
 -10°C / +50°C
 -10°C / +50°C

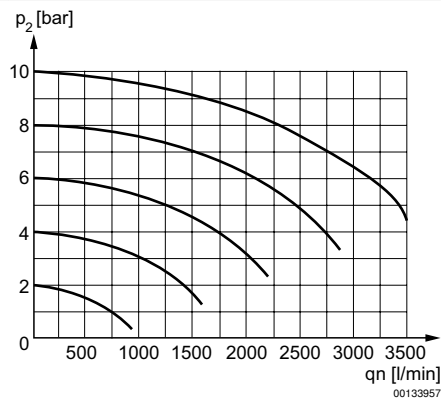
Polyamide
 Acrylonitrile butadiene styrene
 Acrylonitrile Butadiene Rubber
 Die cast zinc

Technical Remarks

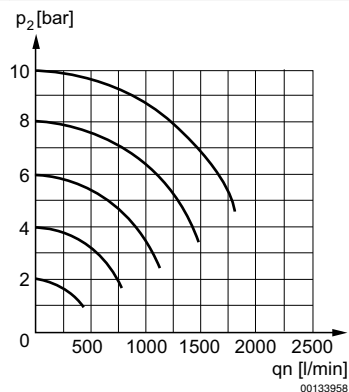
- Suitable for use in Ex zones 1, 2, 21, 22
- 1 auxiliary air exit upstream of non-return valve.

	Port	Qn		Weight	Part No.
		1 ► 2	1 ► 6		
		[l/min]		[kg]	
	G 1/4				R412006254
	G 3/8	1250	700	0.25	R412006255

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Flow rate characteristic


Nominal flow 1 ► 2
 p2 = secondary pressure
 qn = nominal flow

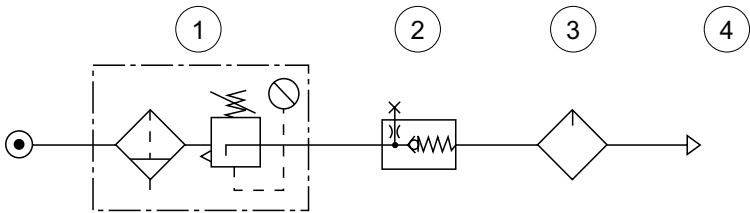


Nominal flow 1 -> 3
 p2 = secondary pressure
 qn = nominal flow

Distributor, Series AS2-DIN

► G 1/4 - G 3/8 ► Distributor 1x ► Non-return valve ► suitable for ATEX

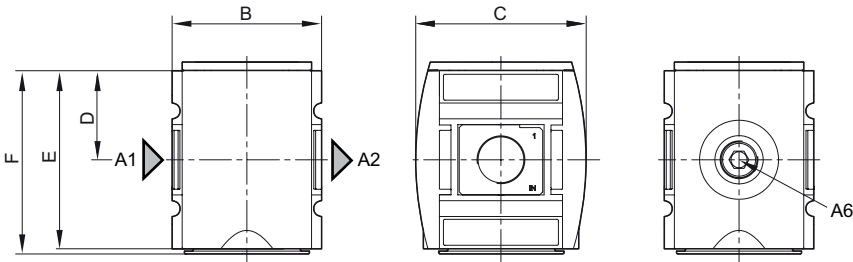
usage



00133959

- 1) Filter pressure regulator
- 2) Non-return valve
- 3) Lubricator
- 4) Compressed air

Dimensions



00133955

- A1 = input
- A2 = output
- A6 = output

A1	A2	A6	B	C	D	E	F						
G 1/4	G 1/4	G 1/4	52	59	34	65	66.8						
G 3/8	G 3/8	G 1/4	52	59	34	65	66.8						

Distributor, Series AS2-DIC
► G 1/4 ► Distributor 4x ► Center infeed ► suitable for ATEX


00119389

Version
 Mounting orientation
 Working pressure min./max.
 Medium
 Medium temperature min./max.
 Ambient temperature min./max.

Materials:
 Housing
 Front plate
 Seals
 Threaded bushing

Center infeed, Can be assembled into blocks
 Any
 0 bar / 16 bar
 Compressed air
 Neutral gases
 -10°C / +50°C
 -10°C / +50°C

Polyamide
 Acrylonitrile butadiene styrene
 Acrylonitrile Butadiene Rubber
 Die cast zinc

Technical Remarks

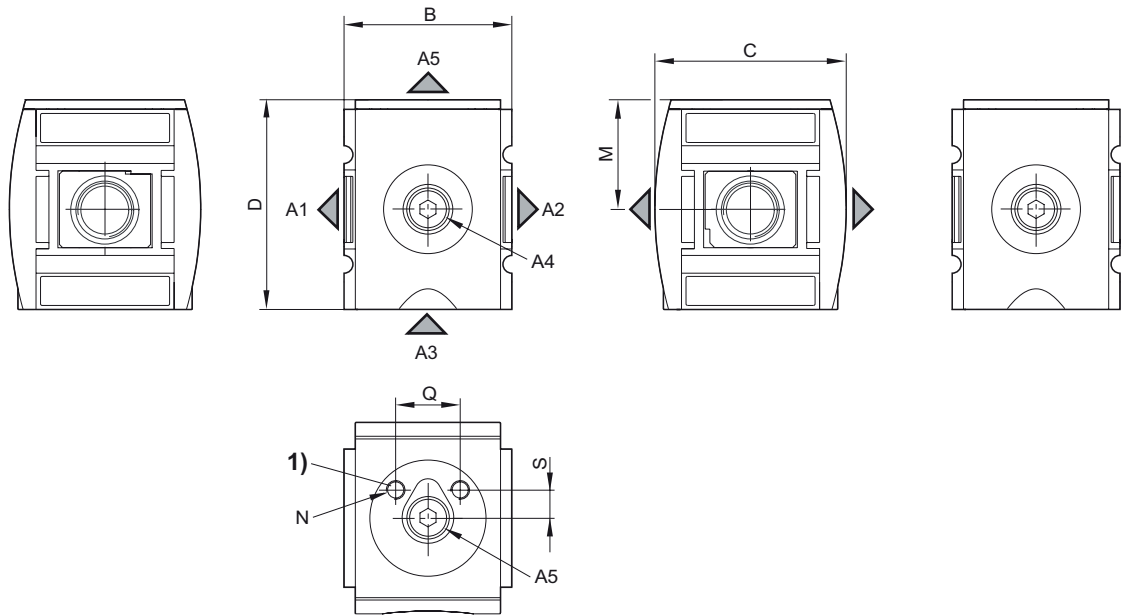
- Suitable for direct mounting of a PE1 and PM1 series pressure sensor (flange version)
- Additional air supply possible at connections A4 and A5.
- Suitable for use in Ex zones 1, 2, 21, 22

	Port	Qn				Weight	Part No.
		1►2	1►3	1►4	1►5		
		[l/min]				[kg]	
	G 1/4	2700	2000	900	2000	0.648	R412006249

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Distributor, Series AS2-DIC

▶ G 1/4 ▶ Distributor 4x ▶ Center infeed ▶ suitable for ATEX



00133990_b

- A1 = output
- A2 = output
- A3 = input/output
- A4 = output
- A5 = input/output
- 1) Mounting thread for pressure sensor

A1	A2	A3	A4	A5	B	C	D	M	N	Q	S		
G 1/4	G 3/8	G 3/8	G 1/4	G 1/4	52	59	65	32.5	M5	20	8		

Series AS2
Accessories
Reservoir, Series AS2-CLS/ -CLP/ -CLC

► for filters, pre-filters and microfilters ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX



00119625

Version

Ambient temperature min./max.

Medium temperature min./max.

Working pressure min./max.

Medium

Filter reservoir volume

Materials:

Seal

Reservoir

-10 °C / +50 °C

-10 °C / +50 °C

16 bar

Compressed air

Compressed air

28 cm³

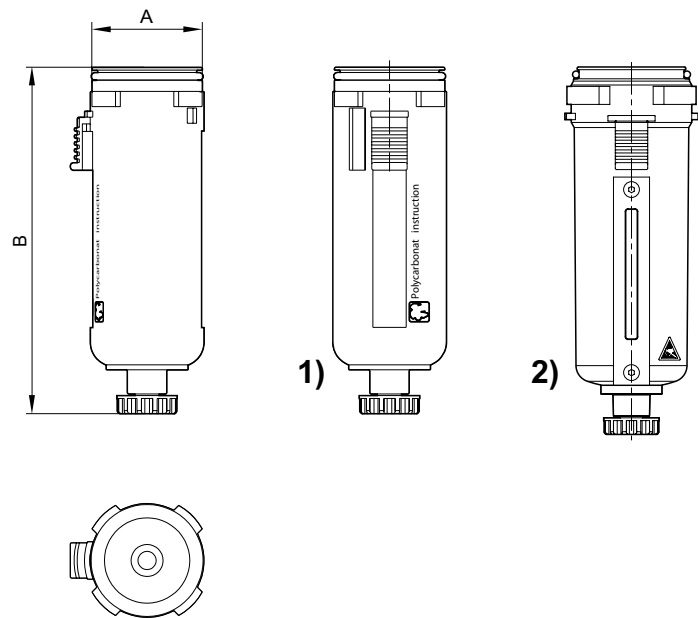
Acrylonitrile Butadiene Rubber

Condensate drain	Reservoir	Protective guard	Weight	Fig.	Part No.
			[kg]		
semi-automatic, open without pressure	Polycarbonate	Polyamide	0.077	Fig. 1	R412006338
fully automatic, open without pressure	Polycarbonate	Polyamide	0.12	Fig. 2	R412006339
fully automatic, closed without pressure	Polycarbonate	Polyamide	0.12	Fig. 2	R412006340
semi-automatic, open without pressure	Die cast zinc, with window	-	0.338	Fig. 1	R412006344
fully automatic, open without pressure	Die cast zinc, with window	-	0.39	Fig. 2	R412006345
fully automatic, closed without pressure	Die cast zinc, with window	-	0.39	Fig. 2	R412006346

Suitable for use in Ex zones 1, 2, 21, 22

Series AS2
Accessories

Fig. 1



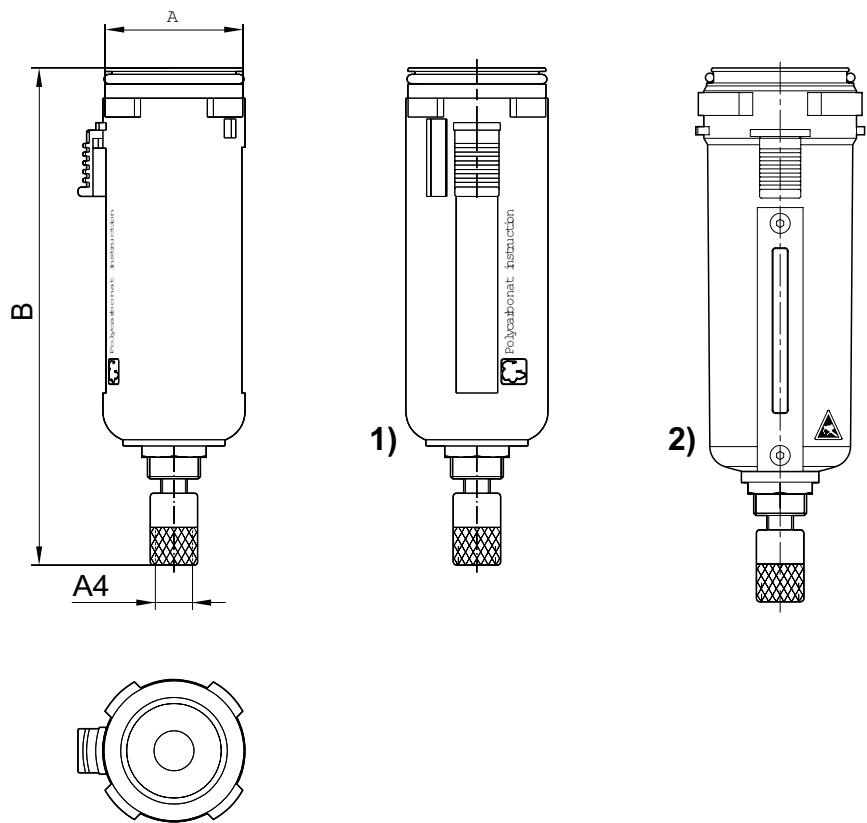
- 1) Plastic reservoir and protective guard with window
- 2) Metal reservoir with inspection glass

00121208

Part No.	A	B										
R412006338	37.6	115.5										
R412006344	37.6	115.5										

Series AS2
Accessories

Fig. 2



- 1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass

00121207

Part No.	A4	A	B									
R412006339	G 1/8	37.6	132									
R412006340	G 1/8	37.6	132									
R412006345	G 1/8	37.6	132									
R412006346	G 1/8	37.6	132									

Preparation of compressed air ► Maintenance units and components

Series AS2 Accessories

Reservoir, Series AS2-CLA

► for active carbon filter ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX



00127790

Version

Ambient temperature min./max.

Medium temperature min./max.

Working pressure min./max.

Medium

Filter reservoir volume

Materials:

Seal

Reservoir

-10°C / +50°C

-10°C / +50°C

0 bar - 16 bar

Compressed air

Compressed air

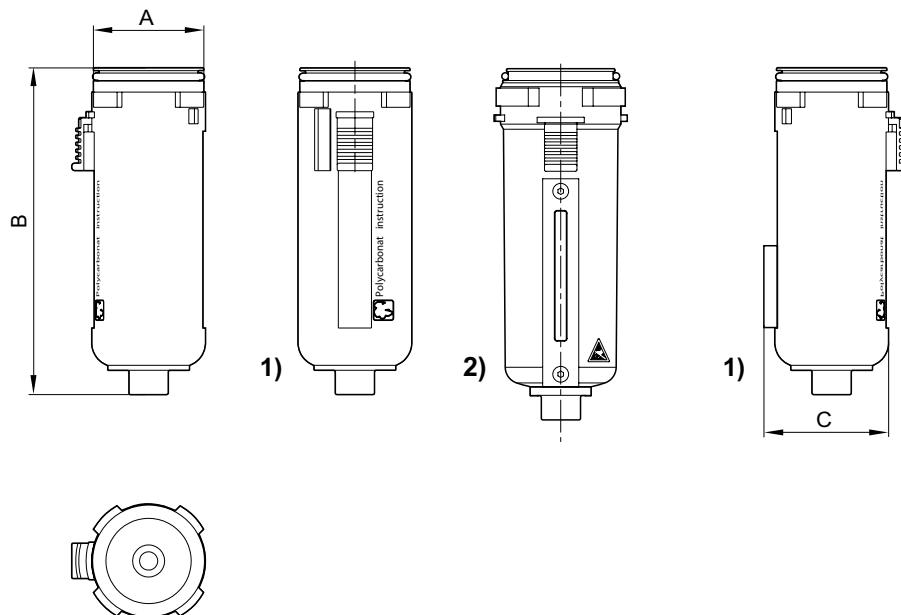
28 cm³

Acrylonitrile Butadiene Rubber

Reservoir	Protective guard	Weight	Part No.
		[kg]	
Polycarbonate	Polyamide	0.77	R412006347
Die cast zinc, with window	-	0.338	R412006349

Suitable for use in Ex zones 1, 2, 21, 22

Dimensions



00121209

- 1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass

Part No.	A	B									
R412006347	37.6	108.5									
R412006349	37.6	108.5									

Series AS2
Accessories
Reservoir, Series AS2-CBS
► for lubricator ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX


00127790

Version

Ambient temperature min./max.

Medium temperature min./max.

Working pressure min./max.

Medium

Lubricator reservoir volume

Materials:

Seal

Reservoir

-10°C / +50°C

-10°C / +50°C

0 bar - 16 bar

Compressed air

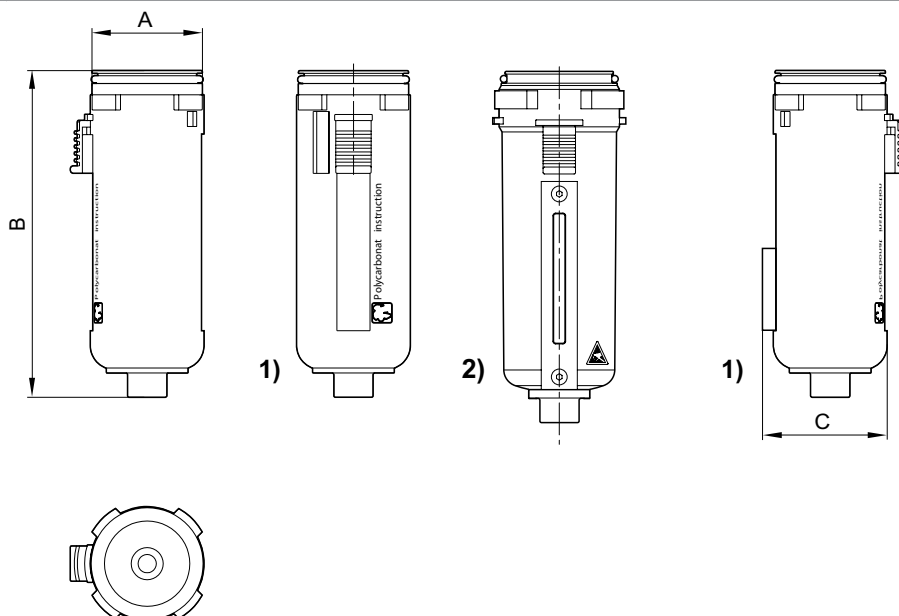
Oil

40 cm³

Acrylonitrile Butadiene Rubber

Electrical level detection	Reservoir	Protective guard	Weight [kg]	Part No.
-	Polycarbonate	Polyamide	0.77	R412006352
-	Die cast zinc, with window	-	0.258	R412006358
with external query	Polycarbonate	Polyamide	0.77	R412006351

Suitable for use in Ex zones 1, 2, 21, 22

Dimensions


00121209

- 1) Plastic reservoir and protective guard with window
 2) Metal reservoir with inspection glass

Part No.	A	B	C								
R412006352	37.6	108.5	—								
R412006358	37.6	108.5	—								

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Series AS2

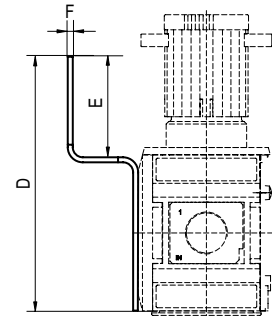
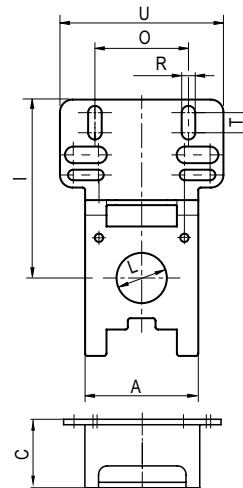
Accessories

Part No.	A	B	C									
R412006351	37.6	108.5	42.5									

Mounting plate, Series AS2-MBR-...-W01



00119467



00119431

Part No.	A	C	D	E	F	I	L	O	R	T	U
R412006368	45	28	102	40	2.5	71	20	38	5.4	8	65

Part No.	Material	Surface	Material Seal	Weight [kg]	Ambient temperature min./max. [C°]
R412006368	Steel	galvanized	Acrylonitrile Butadiene Rubber	0.065	-10 / +50

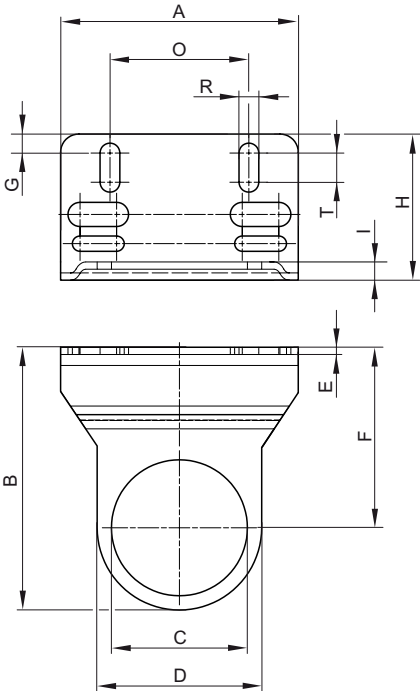
Scope of delivery incl. 2 mounting screws 3x10 (Torx 10 IP) DIN EN ISO 10664

Series AS2
Accessories

Mounting bracket, Series AS2-MBR-...-W02



00133792



00133954

Part No.	A	B	C	D	E	F	G	H	I	O	R	T
R412007963	65	72	37.2	45	2	53.4	5.2	35	5	38	5.4	8

Part No.	Material	Surface	Weight [kg]	Ambient temperature min./max. [C°]				
R412007963	Steel	galvanized	0.065	-10 / +50				

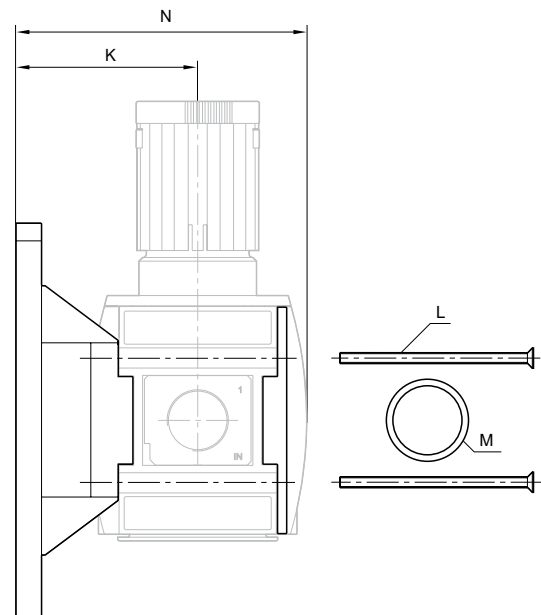
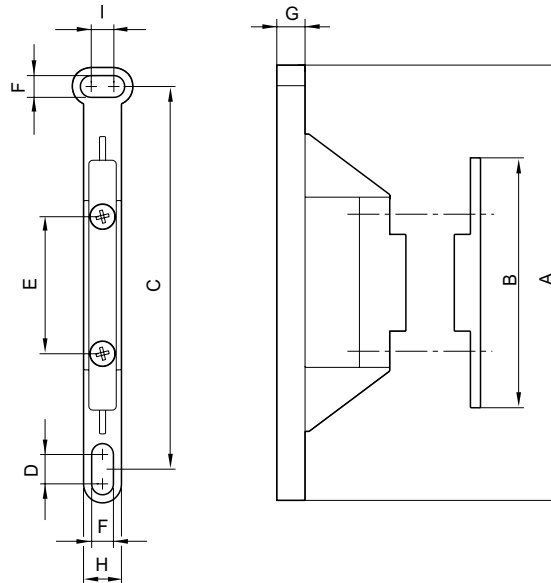
Series AS2 Accessories

Mounting clip, Series AS2-MBR-...-W03

► suitable for ATEX



00119388



00127750

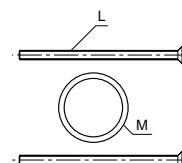
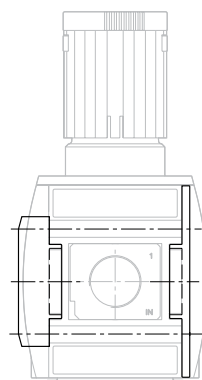
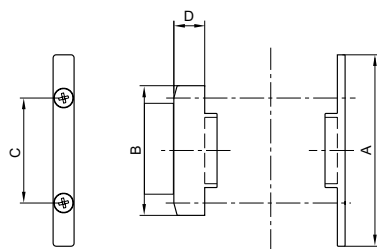
Part No.	A	B	C	D	E	F	G	H	I	K	L	M
R412006370	108	62	95	7.3	34	5.4	7	9.4	5.6	49.4	M3x53	19x1,8

Series AS2
Accessories

Part No.	N	Material	Material Seal	Weight [kg]	Ambient temperature min./max. [C°]			
R412006370	78.9	Polyamide	Acrylonitrile Butadiene Rubber	0.015	-10 / +50			
Scope of delivery incl. 2 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 1x O-ring Suitable for use in Ex zones 1, 2, 21, 22								

Block assembly kit, Series AS2-MBR-...-W04
► suitable for ATEX


00119405



00127746

Part No.	A	B	C	D	L	M	Material	Material Seal
R412006371	62	42	34	6	M3x53	19x1,8	Polyamide	Acrylonitrile Butadiene Rubber
Part No.	Weight [kg]	Ambient temperature min./max. [C°]						
R412006371	0.01	-10 / +50						
Scope of delivery incl. 2 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 1x O-ring Suitable for use in Ex zones 1, 2, 21, 22								

Series AS2

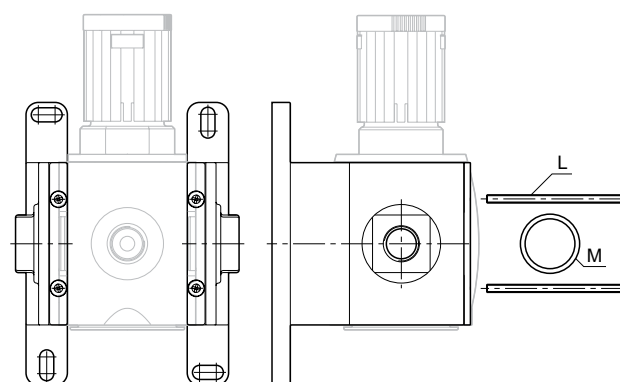
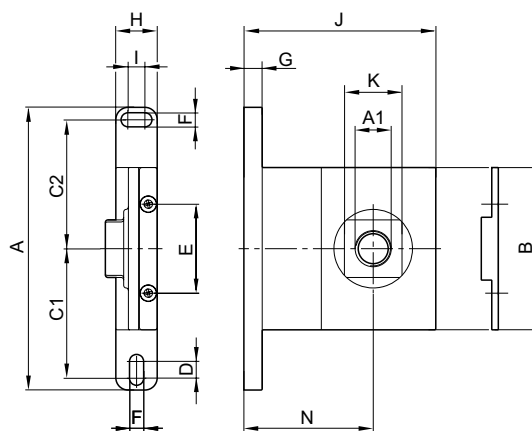
Accessories

Block assembly kit, Series AS2-MBR-...-W05

► G 1/4 - G 3/8



00124004



00131790

Part No.	A1	A	B	C1	C2	D	E	F	G	H	I	J
R412006366	G 1/4	108	62	49.3	49.3	6.4	34	5.4	7	16	6.4	73
R412006367	G 3/8	108	62	49.3	49.3	6.4	34	5.4	7	16	6.4	73

Part No.	K	L	M	N	Material	Surface	Material Seal
R412006366	22	M3x53	19x1,8	49.4	Die cast zinc	painted	Acrylonitrile Butadiene Rubber
R412006367	22	M3x53	19x1,8	49.4	Die cast zinc	painted	Acrylonitrile Butadiene Rubber

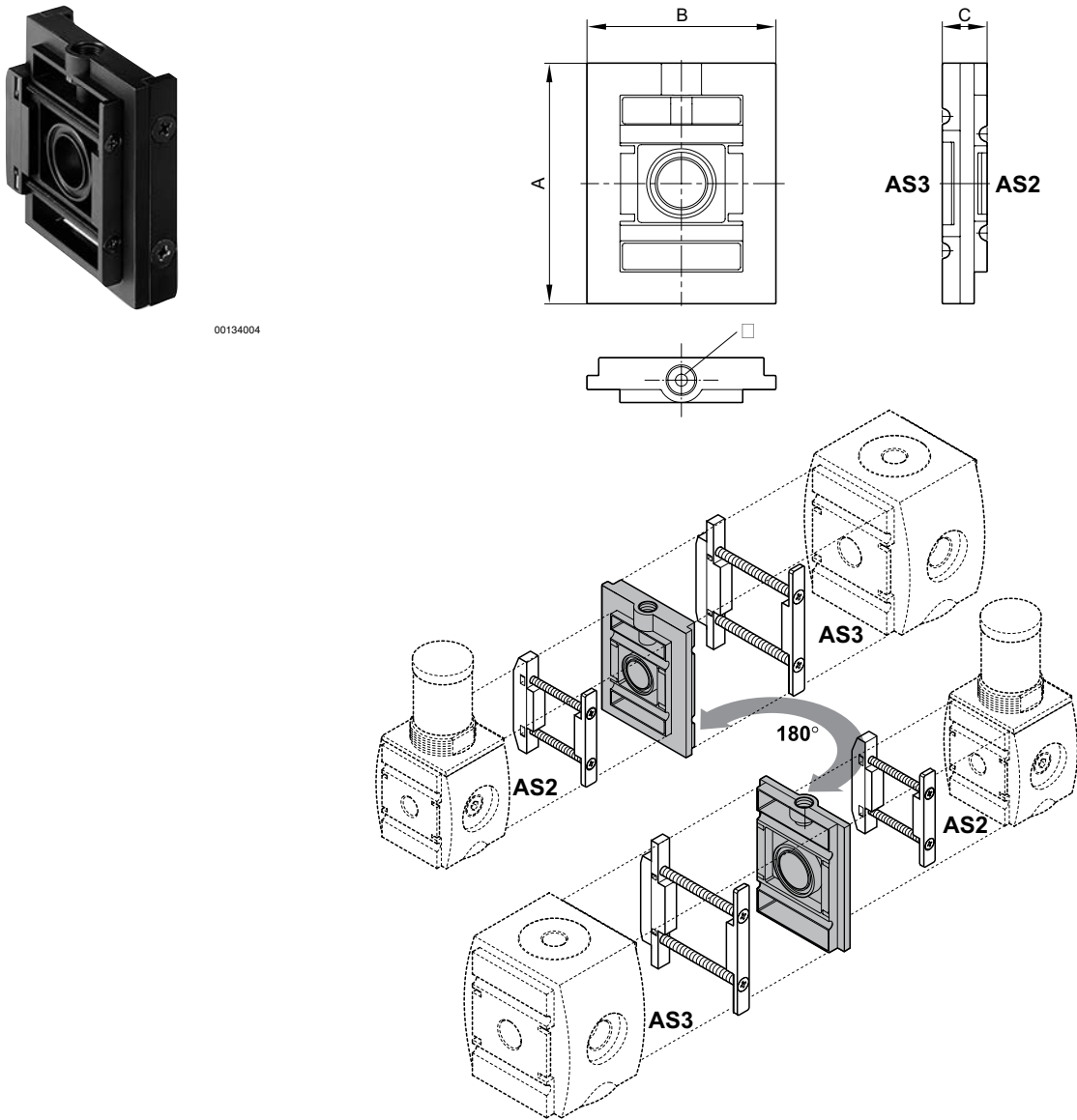
Part No.	Weight [kg]	Ambient temperature min./max. [C°]									
R412006366	0.475	-10 / +50									
R412006367	0.475	-10 / +50									

Scope of delivery incl. 4 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 2x O-ring

Series AS2

Accessories

Block assembly kit, Series AS2/AS3-MBR-...-W07



scope of delivery incl. seal

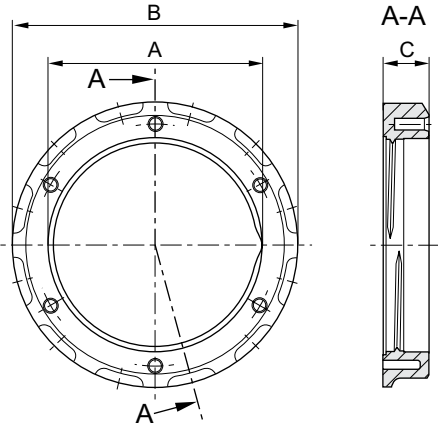
Part No.	A	B	C	D								
R412010121	75	61	14	G 1/8								

Series AS2
Accessories

Panel nut, Series AS2-MBR-...-W06
▶ suitable for ATEX



00124065



00123311

Part No.	A	B	C	Material	Ambient temperature min./max. [C°]				
R412006372	M36x1,5	48	8	Polyamide	-10 / +50				
Suitable for use in Ex zones 1, 2, 21, 22									

Pressure gauge, Series PG1-SAS

▶ Front port ▶ Background color: Black ▶ Scale color: White / Grey ▶ Viewing window: Polystyrene ▶ Units: bar / psi



00123444

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

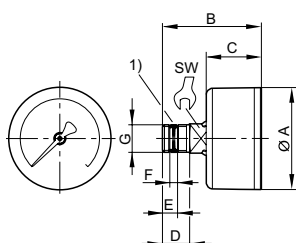
Materials:
Housing
Thread
Viewing window
Seal

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

Series AS2
Accessories

	Compressed air connec- tion	Nominal diameter	Range of applica- tion	Display range	Operating pressure	Scale value	Weight	Note	Part No.
		[mm]	[bar]	[bar]	[bar]		[kg]		
	G 1/4	50	0 - 1.2	0 - 1.6	0 / 1.6	0.05	0.09	-	R412004413
			0 - 2	0 - 2.5	0 / 2.5	0.1		-	R412004414
			0 - 3.2	0 - 4	0 / 4	0.1		-	R412004415
			0 - 4	0 - 6	0 / 6	0.2		-	R412004416
			0 - 8	0 - 10	0 / 10	0.2		1)	R412004417
			0 - 12	0 - 16	0 / 16	0.5		1)	R412004418
			0 - 20	0 - 25	0 / 25	1		-	R412007898
1) Suitable for use in Ex zones 1, 2, 21, 22									

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				
1) Gasket thread												

Preparation of compressed air ► Maintenance units and components

Series AS2 Accessories

Pressure gauge, Series PG1-SAS-ADJ

- Front port ► with adjustable work area display ► Background color: Black ► Scale color: White / Grey
- Viewing window: Polystyrene ► Units: bar / psi ► suitable for ATEX



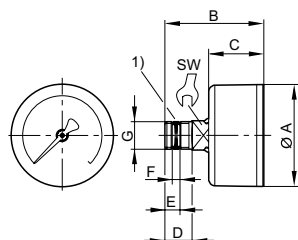
00131412

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	Range of 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		R412007868
			0 - 3.2	0 - 4	0 / 4	0.1		R412007869
			0 - 4	0 - 6	0 / 6	0.2		R412007870
			0 - 8	0 - 10	0 / 10	0.2		R412007871
			0 - 12	0 - 16	0 / 16	0.5		R412007872

Dimensions



00119457

1) Gasket thread

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				

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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Series AS2
Accessories

Pressure gauge, Series PG1-DIM
▶ for differential pressure measurement for prefilters and microfilters ▶ flange version ▶ Background color: White ▶ Scale color: Black ▶ Viewing window: Polystyrene ▶ Units: bar ▶ suitable for ATEX

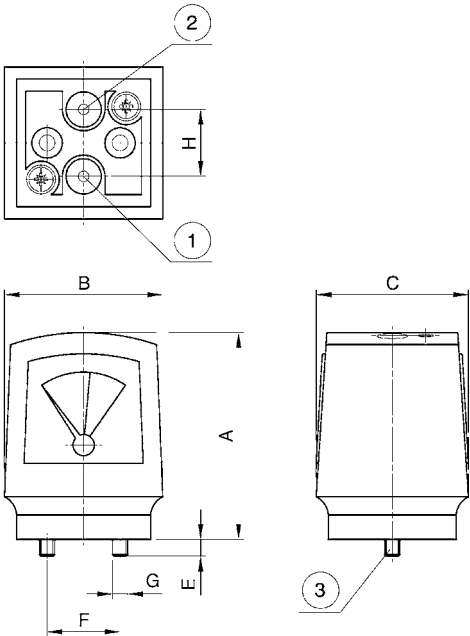


00106963

Version	Diaphragm pressure gauge
Main scale unit (outside)	bar
Ambient temperature min./max.	+0 °C / +60 °C
Medium	Compressed air
Pointer color	Black
Main scale color (outside)	Black
Color for differential pressure range	Green / Red
Mounting orientation	vertical
Materials:	
Housing	Polyamide, fiber-glass reinforced
Viewing window	Polystyrene
Seal	Acrylonitrile butadiene styrene

	Range of appli- cation	Display range	Operating pres- sure	Scale value	Weight	Part No.
	[bar]	[bar]	[bar]		[kg]	
	0 - 0.5	0 - 0.5	0 / 16	0.1	0.127	1827231072
Suitable for use in Ex zones 1, 2, 21, 22						

Dimensions



00107329

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

Preparation of compressed air ► Maintenance units and components

Series AS2 Accessories

A	B	C	E	F	G	H								
68	52	50	6	24	M5	22								

Silencers, Series SI1 ► Sintered bronze



P100_060

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

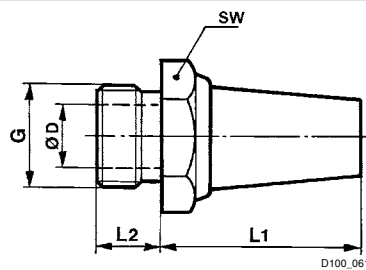
0 bar / 10 bar
-25 °C / +80 °C
Compressed air

Materials:
Silencers
Thread

Sintered bronze
Brass

Compressed air connection	Order quantity	Weight	Part No.
	[piece]	[kg]	
G 1/4	10	0.013	R412004817

Dimensions



Part No.	Port G	SW	Ø D	L1	L2							
R412004817	G 1/4	16	8.5	18.7	7.6							

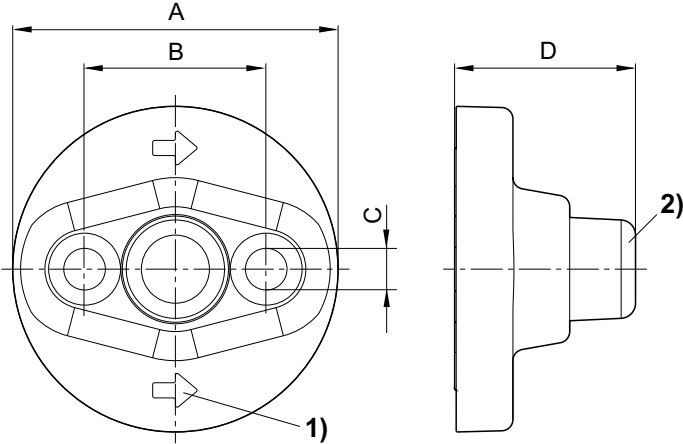
Sound pressure level measured at 6 bar at 1 m distance

Series AS2
Accessories

contamination display
▶ for prefilters and microfilters



00124003



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).

00123310

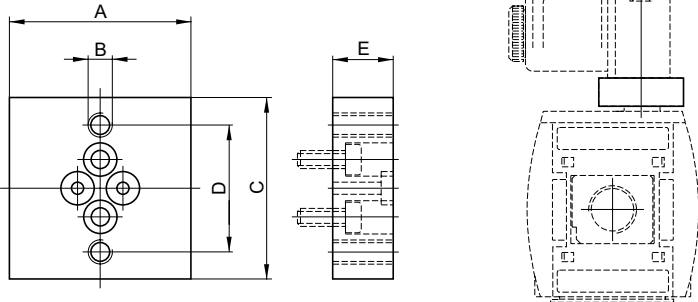
Part No.	A	B	C	D	Material	Weight [kg]					
R412006363	43	24	5.5	24	Polyamide	0.025					

2 mounting screws and 2 O-rings supplied loose
Suitable for use in Ex zones 1, 2, 21, 22

Transition plate, Series AS1, AS2, AS3, AS5
▶ with CNOMO porting configuration



00124240



00123312_a

Part No.	A	B	C	D	E	Material	Weight [kg]				
R412006360	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

Series AS2
Accessories

Adapter, Series CN1
► Form C, ISO 15217/M 12

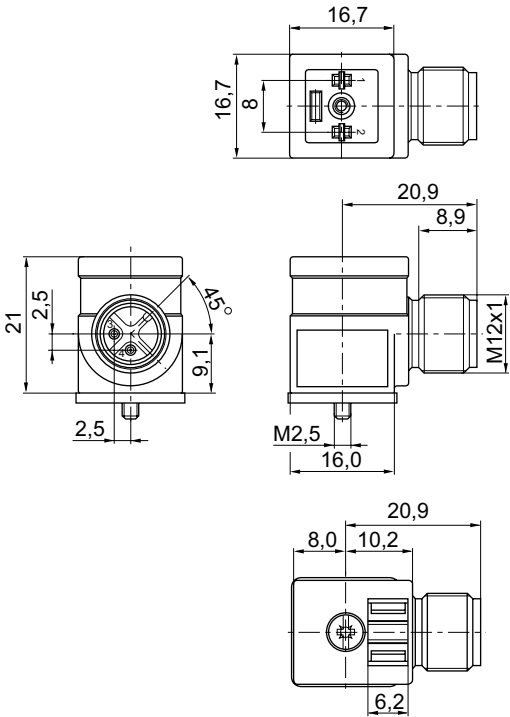


Ambient temperature min./max.	-10°C / +100°C
Protection class	IP65
Operational voltage DC, max.	24 V DC
Mounting screw tightening torque	0.6 Nm
Materials:	
Housing	Polyurethane

00137187

	Max. current	Contact assign- ment	Protective circuit	LED status display	Housing color	Part No.
	[A]					
	1	2+E	Varistor	Yellow	Transparent	R412009553

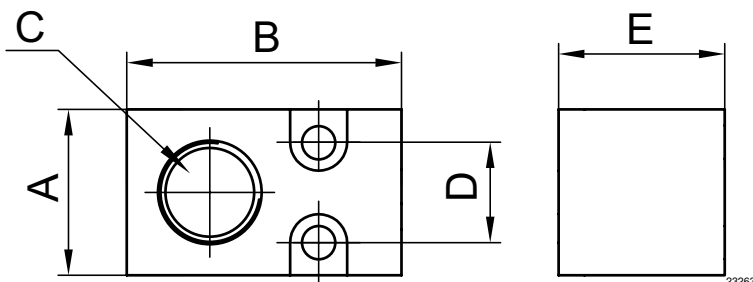
Dimensions



00137185

Series AS2
Accessories
Adapter, Series AS2


11756



Part No.	A	B	C	D	E	Material	Weight [kg]				
R412006359	16	26,5	G 1/8	9.7	16	Aluminum	0.019				
Delivery incl. 2 mounting screws M3x20, Flat gasket											

Connecting cable, Series CN2

► Socket, M12x1, 5-pin, A-coded, angled ► without wire end ferrule, tin-plated, 4-pin ► for CANopen, DeviceNet



00107009_c

Ambient temperature min./max.

-40°C / +85°C

Protection class

IP65

Materials:

Cable sheath

Polyurethane

Technical Remarks

- The specified protection class is only valid in assembled and tested state.

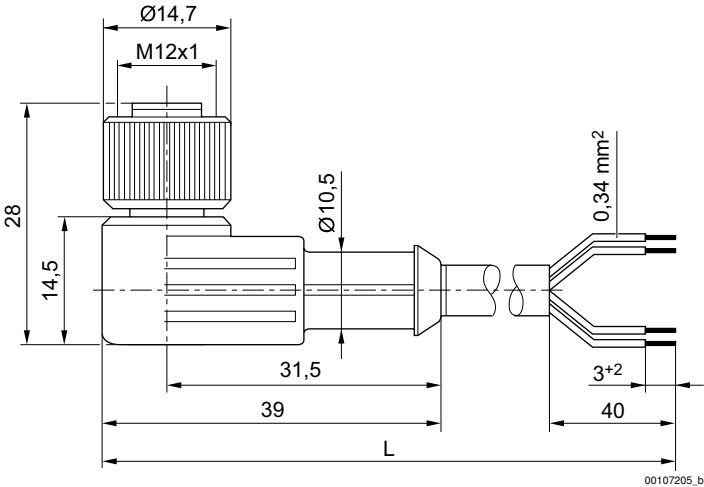
	Operational voltage max.		Max. current	Number of wires	Wire cross-section	Cable length L	Weight	Part No.
	[V AC]	[V DC]	[A]		[mm²]	[m]	[kg]	
1) — BN	48	48	4	4	0.34	3	0.13	1834484259
2) — WH						5	0.202	1834484260
3) — BU						10	0.387	1834484261
4) — BK								
5) —								

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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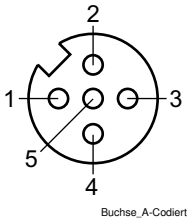
Series AS2
Accessories

Dimensions



L = length

Pin assignment

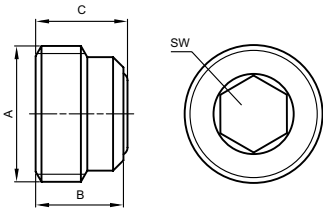


- (1) BN=brown
- (2) WH=white
- (3) BU=blue
- (4) BK=black
- (5) not assigned

plugs



18417



17175

Part No.	Type	A	B	C	SW	Material
R412010124	plugs	G 1/4	8.5	8.9	6	Polyamide

Series AS2
Accessories

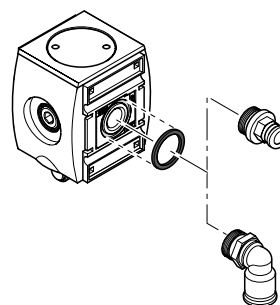
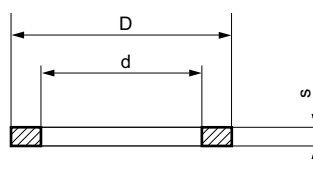
Part No.	Material Seal	Delivery quantity [Piece]									
R412010124	Acrylonitrile Butadiene Rubber	10									

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

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

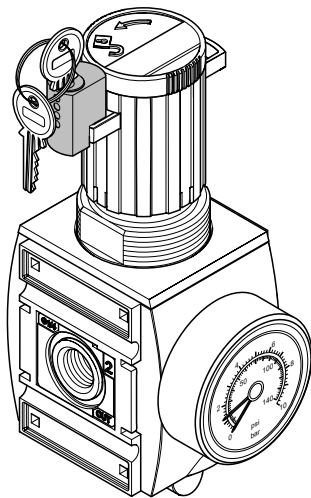
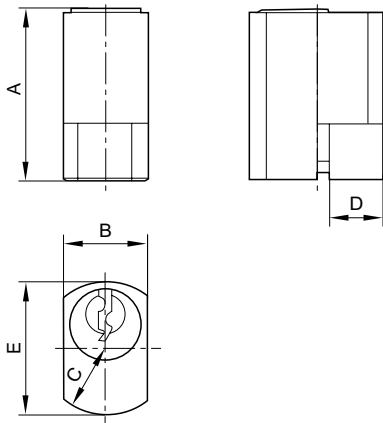
For inserting into the O-ring groove when using series QR1 and QR2 fittings.

Series AS2
Accessories

mortise lock
► for Series AS2, AS3, AS5



00135465

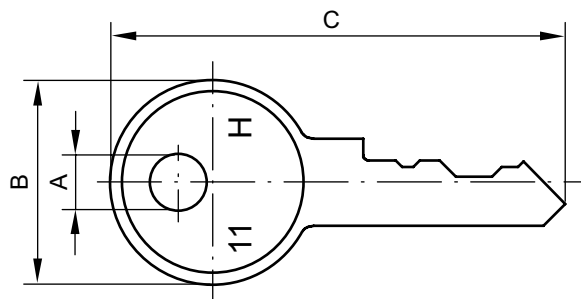


00134002

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	

Series AS2
Accessories
Key for E11 locking


22691



21350

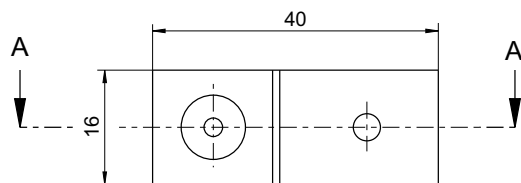
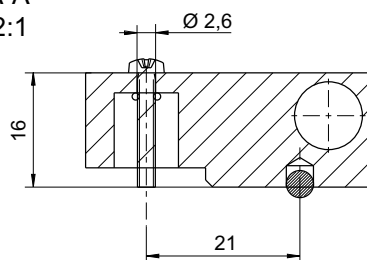
Part No.	A	B	C	Delivery quantity [Piece]									
R961403407	4.5	20.5	45	1									

Mounting aid

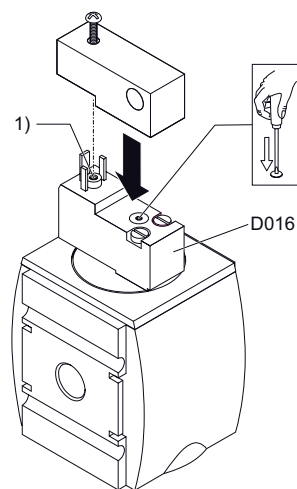
► Assembly aid for permanent actuation of manual override ("press") on pilot valve DO16 with electrical push-in fitting, form C.



00015811


A-A
2:1


1) ISO 15217, form C



00015809_a

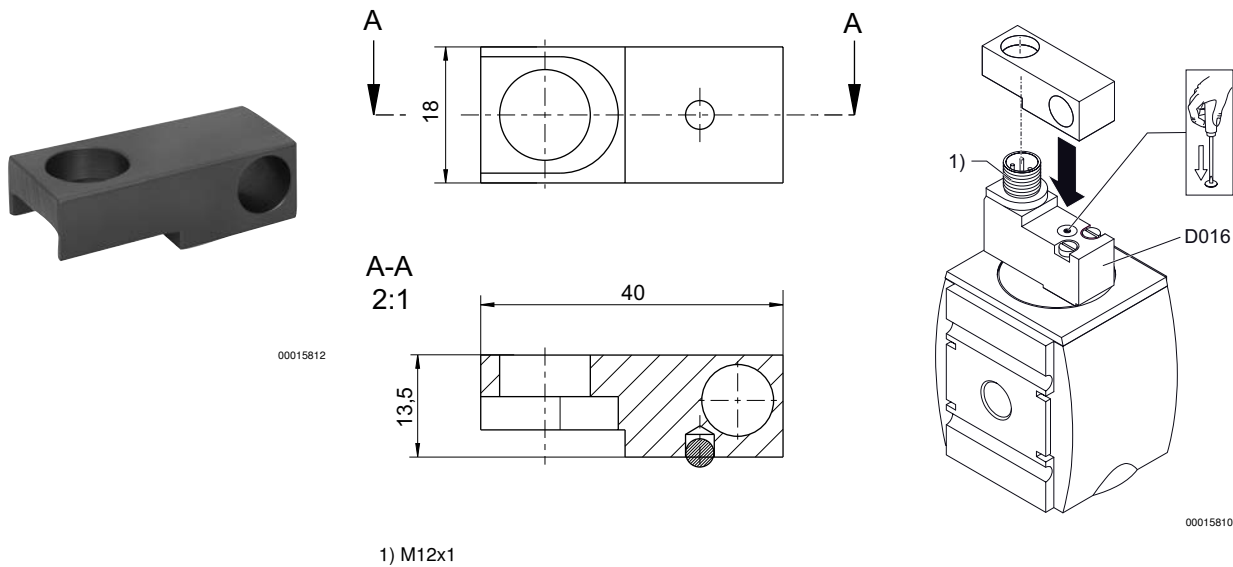
Part No.	Material												
R412019278	Aluminum												

Scope of delivery incl. 1 mounting screw, 1 O-ring

Series AS2
Accessories

Mounting aid

► Assembly aid for permanent actuation of manual override (“press”) on pilot valve D016 with electrical connection M12x1.



Part No.	Material	Weight [kg]									
R412015193	Aluminum	0.023									
Mounting the assembly aid to the pilot valve using electrical connector M12x1											

Series AS2
Accessories
Flow sensor, air supply on the left, Series AF1
► Qn = 150 - 5000 l/min ► diaphragm principle ► Electrical connection: Plug, M12x1, 5-pin


00138948_a

Frame size	AS3
Mounting orientation	Any
Certificates	CE declaration of conformity, with reference to EMC directive
Output signal	2 x PNP / NPN and 1 x analog voltage 2 x PNP / NPN and 1 x analog current
Display	LED
Flow display unit	l/h, l/sec, m³/h, gal/h
Working pressure min./max.	0 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
DC operating voltage Min.	15 V DC
DC operating voltage Max.	30 V DC
Max. power consumption	300 mA
Output signal digital max.	100 mA
Response time	< 15 ms
Precision (% of full scale value)	± 3 %
Protection class	IP65
Materials:	
Housing	Aluminum; Polyamide
Front plate	Acrylonitrile butadiene styrene

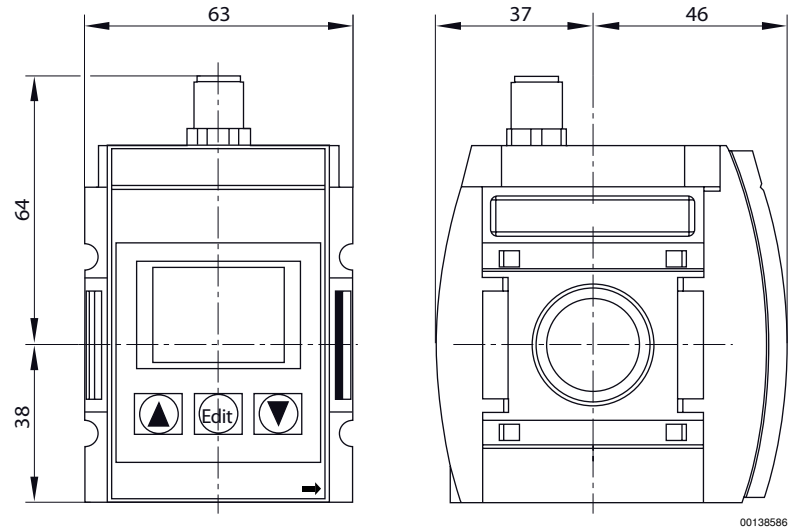
Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions.
- The device is designed to be installed in AS series maintenance units or to be fitted as a stand-alone device using a W05 block assembly kit.
- The device may not be installed behind a regulator or filter regulator.
- Liquid oil or water must be separated via prefiltering. If it is not separated sufficiently, drifting may result.

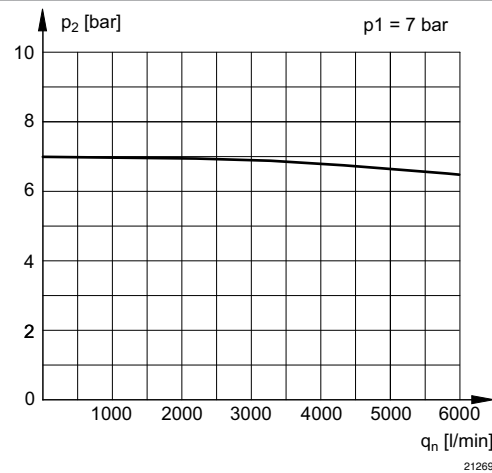
Qn Min.	Qn Max.	Analog output current	Analog output voltage	Weight	Part No.
[l/min]	[l/min]			[kg]	
150	2000	- 4 - 20 mA	0 - 10 V DC -	0.395	R412010638 R412010673
250	5000	- 4 - 20 mA	0 - 10 V DC -	0.395	R412010637 R412010674

Series AS2 Accessories

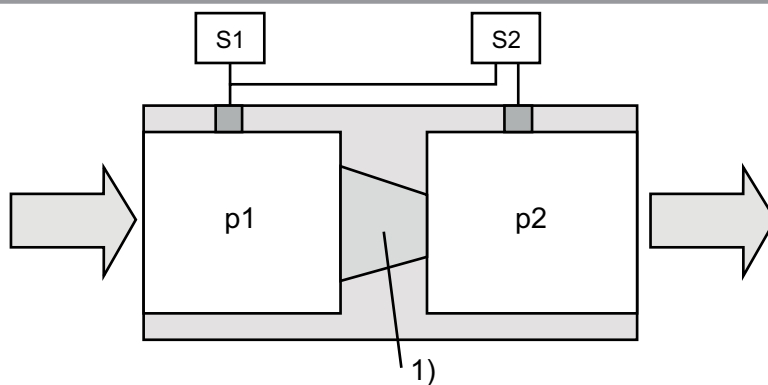
Dimensions



Flow diagram

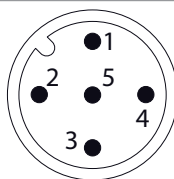


p_1 = working pressure
 p_2 = secondary pressure
 q_n = nominal flow

Series AS2
Accessories
Functional diagram


21270

S1, S2 = Sensor
 p1 = working pressure
 p2 = secondary pressure
 1) Shield

Pin assignments


00138442

(1) 24 V DC
 (2) OUT 1
 (3) 0 V
 (4) OUT 2
 (5) Analog OUT

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06-12-2016

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