AVENTICS

Preparation of compressed air ► Maintenance units and components

Series AS2

Brochure

Maintenance units

Pressure regulators, air supply on the left

Filter pressure regulators, air supply on the left

Filter, air supply on the left

Series AS2

Filling valves, air supply on the left

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

95

Filling valve, pneumatically operated, Series AS2-SSV
► External pneumatic control ► G 1/4 - G 3/8 ► pipe connection

97

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

99

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

102

Shut-off valves, air supply on the left

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

105

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

107

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

113

3/2-shut-off valve, mechanically operated, Series AS2-SOV-...-MAN
► G 1/4 - G 3/8 ► suitable for ATEX

116

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

118

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

120

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

122

Accessories

Reservoir, Series AS2-CLS/ -CLP/ -CLC
► for filters, pre-filters and microfilters ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX

124

Reservoir, Series AS2-CLA
► for active carbon filter ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX

127

Reservoir, Series AS2-CBS
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128

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

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

130

Mounting clip, Series AS2-MBR-...-W03
► suitable for ATEX

131

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

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Block assembly kit, Series AS2-MBR-...-W05
► G 1/4 - G 3/8

133

Series AS2

Connecting cable, Series CN2
► Socket, M12x1, 5-pin, A-coded, angled ► without wire end ferrule, tin-plated, 4-pin
► for CANopen, DeviceNet

142

plugs

143

Sealing ring
► Acrylonitrile butadiene styrene

144

mortise lock
► for Series AS2, AS3, AS5

145

Key for E11 locking

146

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

146

Mounting aid
► Assembly aid for permanent actuation of manual override (“press”) on pilot valve DO16 with electrical connection M12x1.

147

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

148

Coil, Series CO1
► Cable with connector ► Coil width 30 mm ► ATEX certified

150

3/2-directional valve, Series DO30
► Qn = 65 - 90 l/min ► Pilot valve width: 30 mm ► Plate valve with pipe connection ► Compressed air connection output: CNOMO ► Electr. connection: Plug, ISO 4400, form A ► Manual override: without detent, with detent ► suitable for ATEX

153

Adapter for external pilot air
► !translate!

154

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

00119382

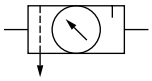
Version	2-in-1, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	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 cm^3
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	40 cm^3
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

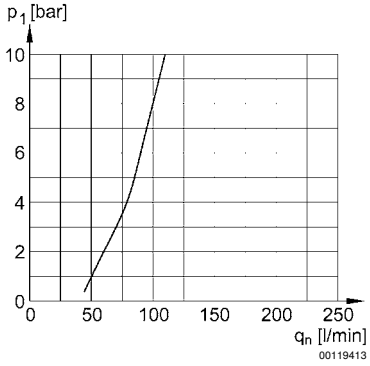
Maintenance unit, 2-part, Series AS2-ACD

► 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

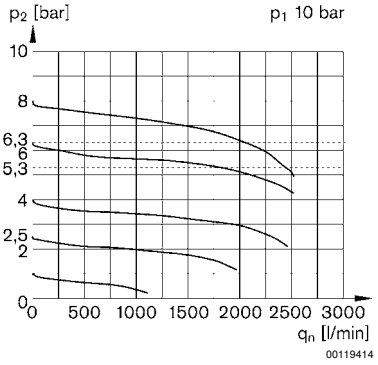


p1 = working pressure
qn = nominal flow

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)

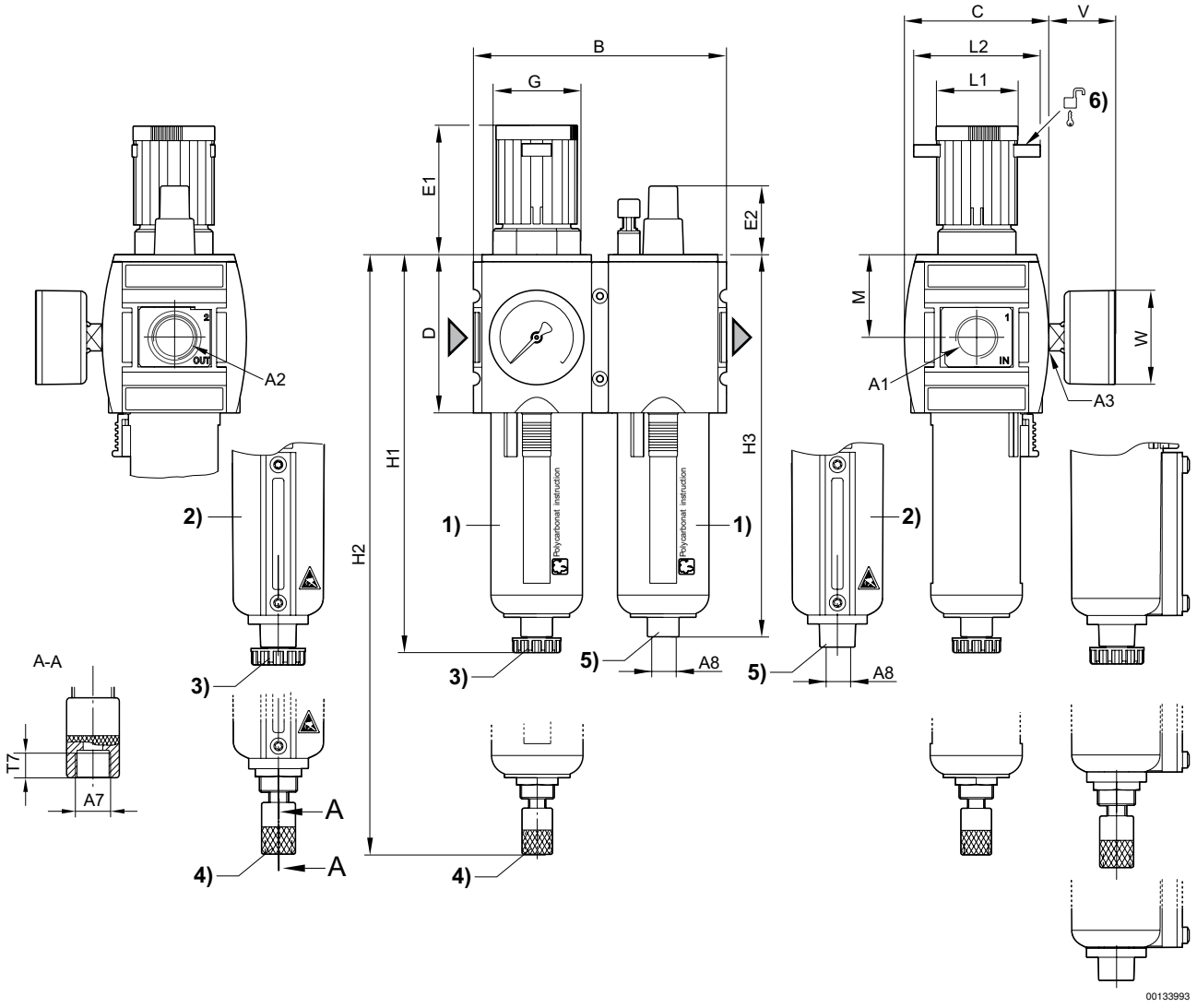


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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						

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

00119436

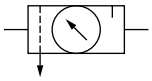
Version	3-part, Can be assembled into blocks
Parts	Filter, Pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	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 cm^3
Filter element	exchangeable
Condensate drain	See table below
Lubricator reservoir volume	40 cm^3
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

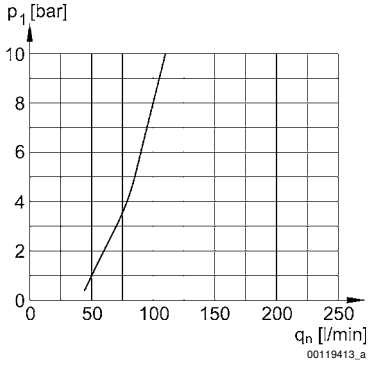
Maintenance unit, 3-part, Series AS2-ACT

► 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

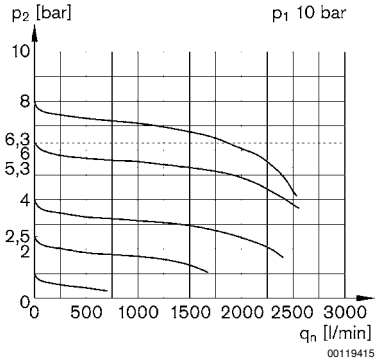


p1 = working pressure
qn = nominal flow

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)

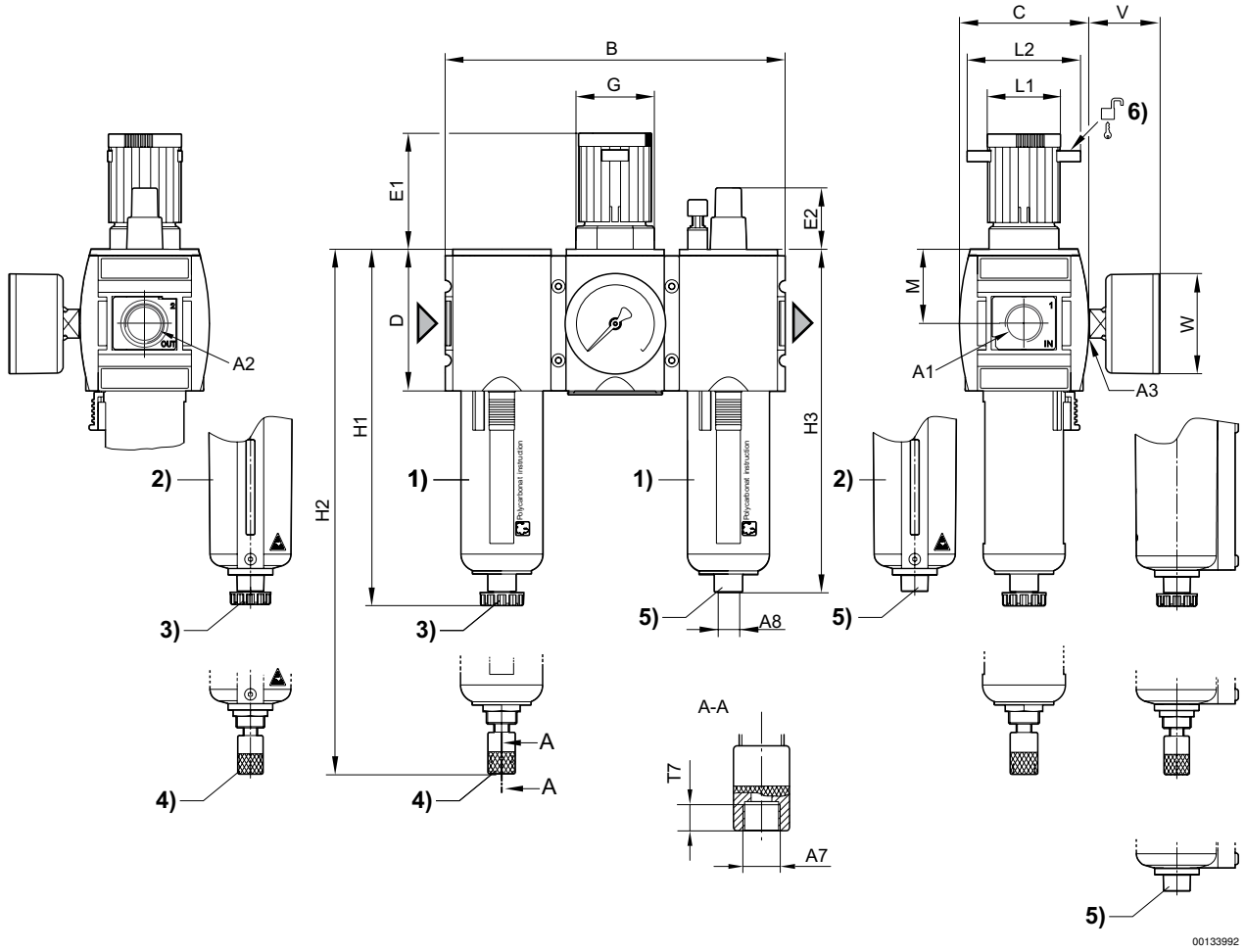


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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



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						

Pressure regulator, Series AS2-RGS

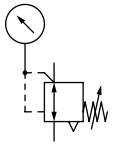
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

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
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

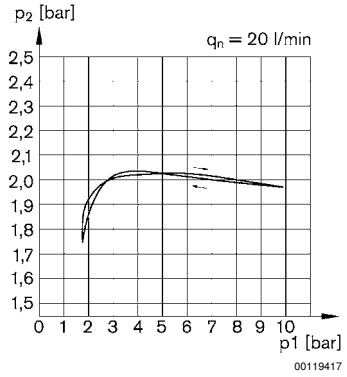
Pressure regulator, Series AS2-RGS

► 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**

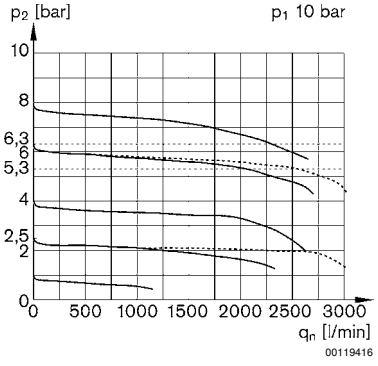
1) Pressure gauge enclosed separately
2) Order pressure gauge separately
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Pressure characteristics curve



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

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



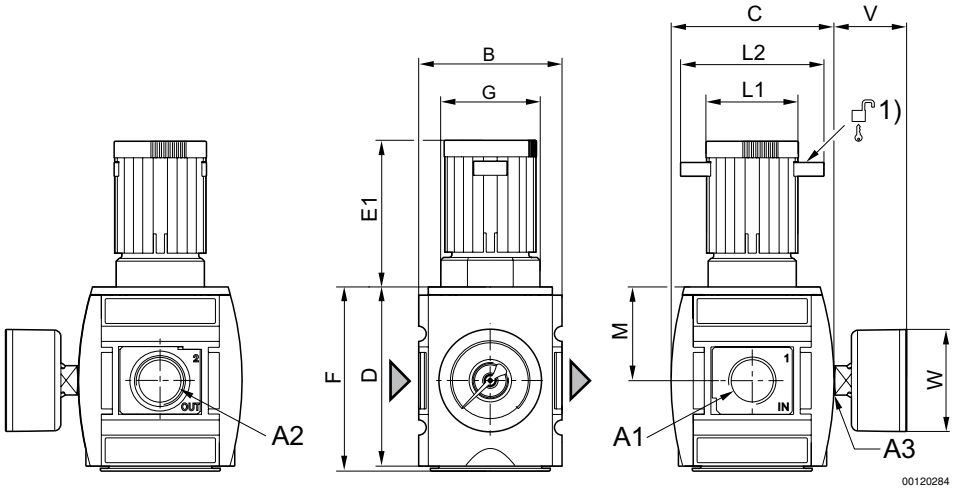
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

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

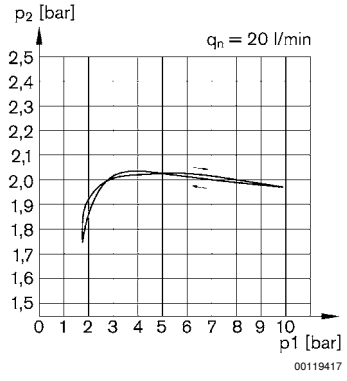
Mounting orientation	Any
Working pressure min./max.	-- / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving 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



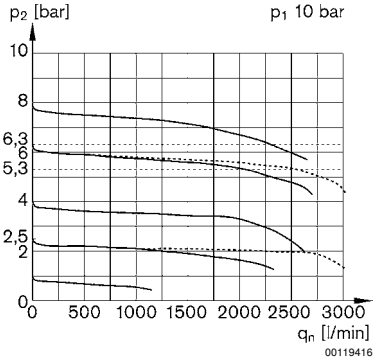
00119417

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

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

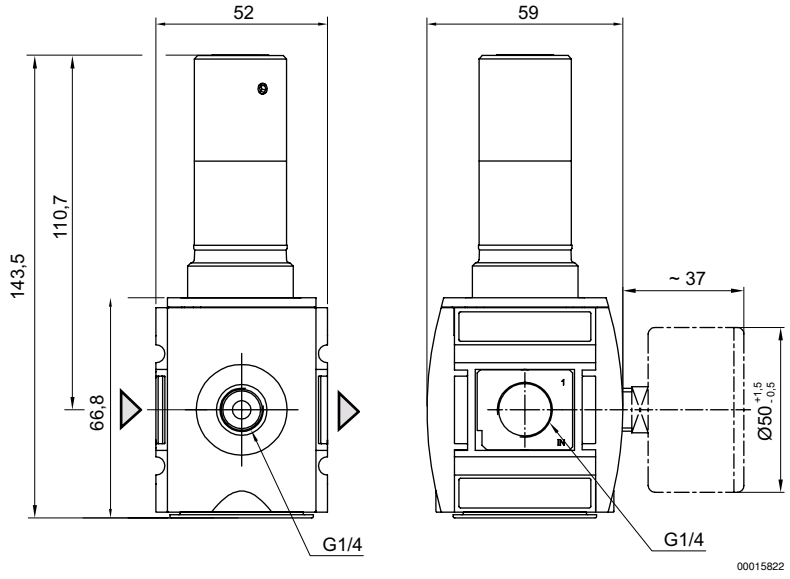
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

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



p1 = Working pressure
p2 = Secondary pressure
qn = 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

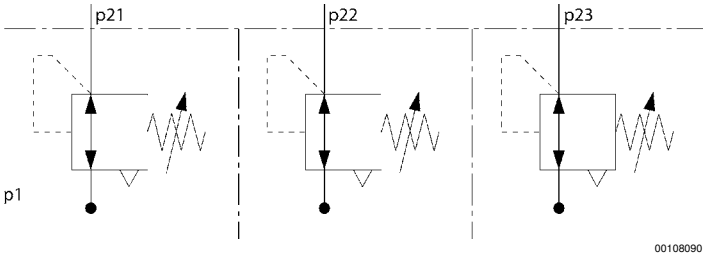
Technical Remarks

- 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



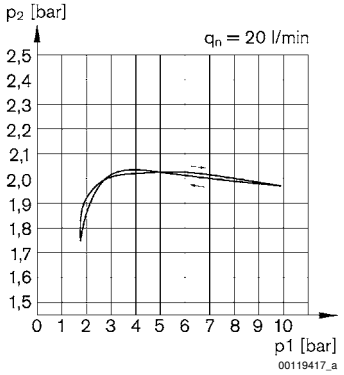
00108090

p1 = working pressure
p21; p22; p23 = secondary pressure

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

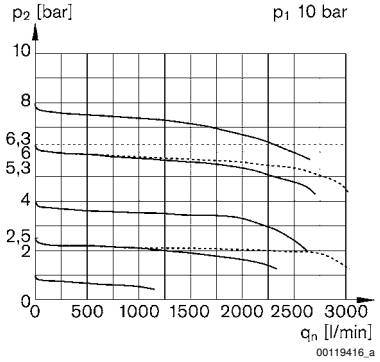
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable ► for padlocks ► suitable for ATEX

Pressure characteristics curve



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

Flow rate characteristic p2: 0,5 - 10 bar

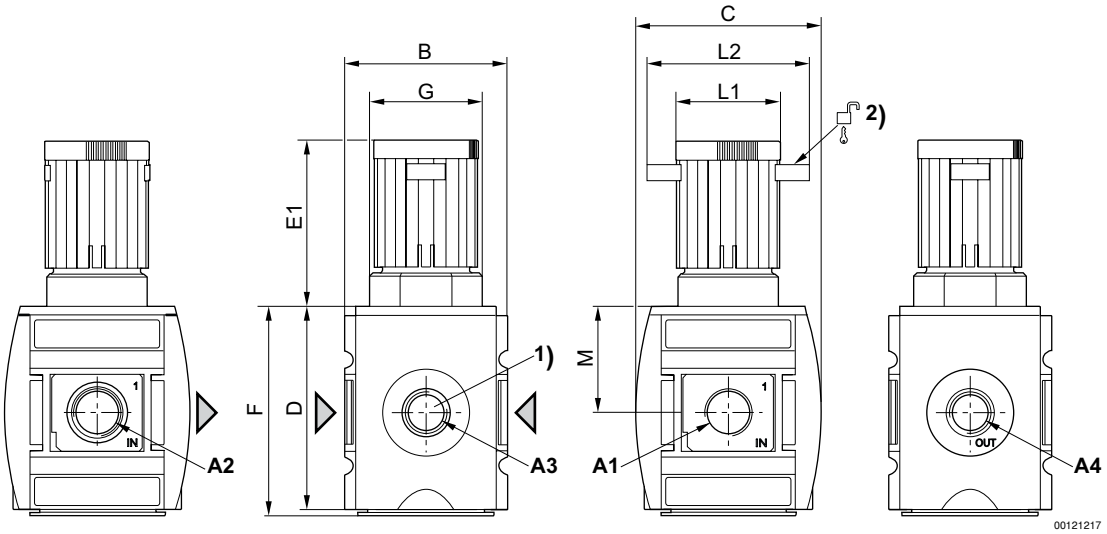


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

Precision pressure regulator, Series AS2-RGP

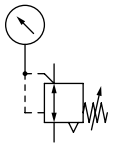
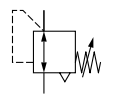
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

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

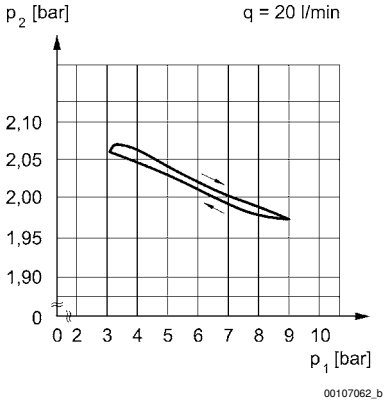
		Port	Qn	Working pressure min./max.	Adjustment range min. - max..	Weight	Note	Part No.
			[l/min]	[bar]	[bar]	[kg]		
		G 1/4	2200	0.1 / 16	0.1 - 1	0.32	1)	**R412006137**
		G 1/4	2200	0.1 / 16	0.1 - 2			**R412006139**
		G 1/4	2200	0.2 / 16	0.2 - 4			**R412006141**
		G 1/4	2200	0.5 / 16	0.5 - 8			**R412006143**
		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

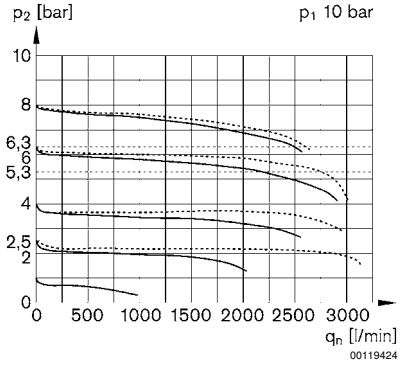
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► lockable ► for padlocks ► suitable for ATEX

Pressure characteristics curve



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

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

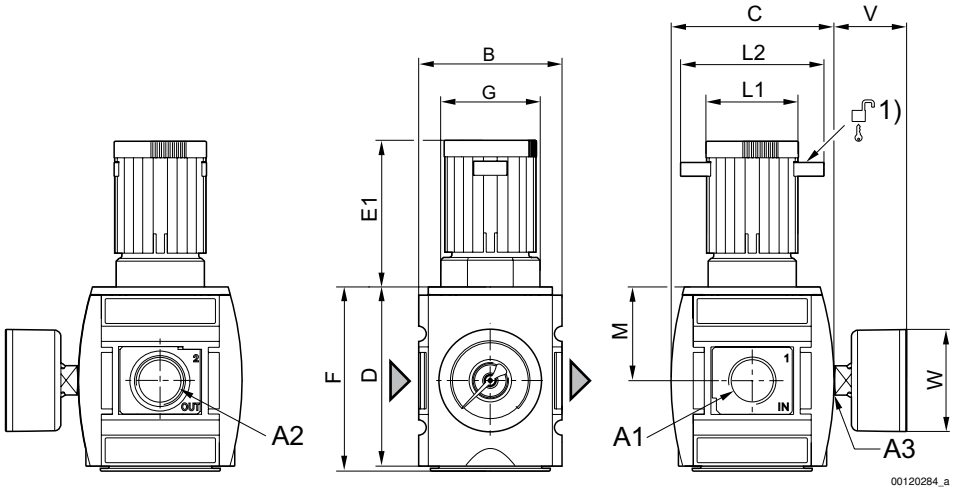


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

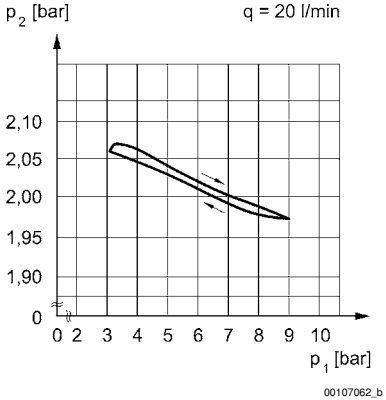
Mounting orientation	Any
Working pressure min./max.	-- / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator, Can be assembled into blocks
Regulator function	with relieving 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



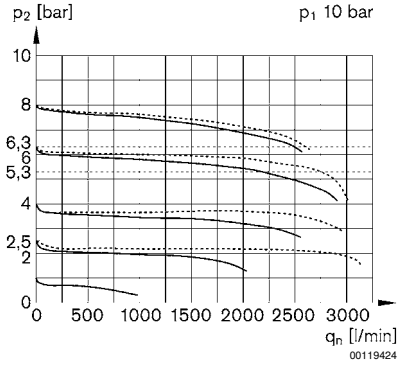
00107062_b

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

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

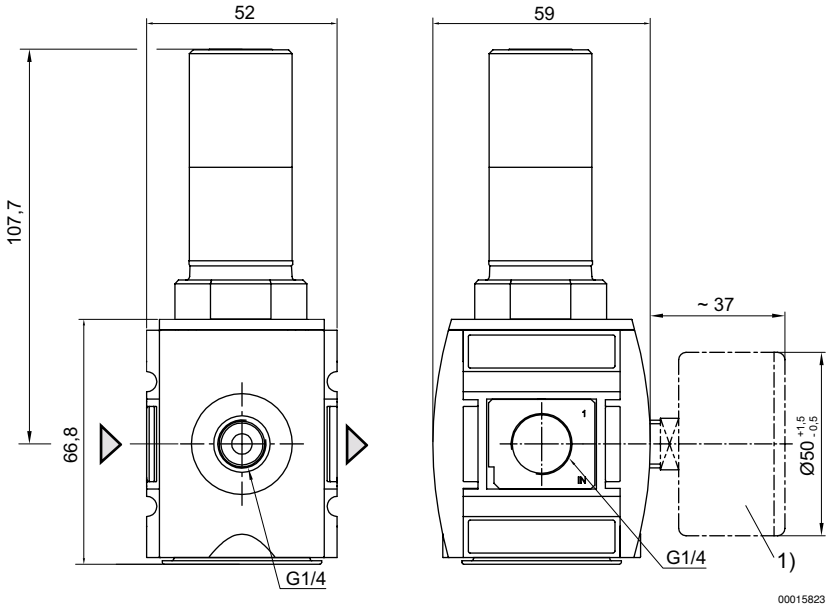
► G 1/4 ► Qn= 2200 l/min ► Activation: mechanical ► lockable ► with E11 locking

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

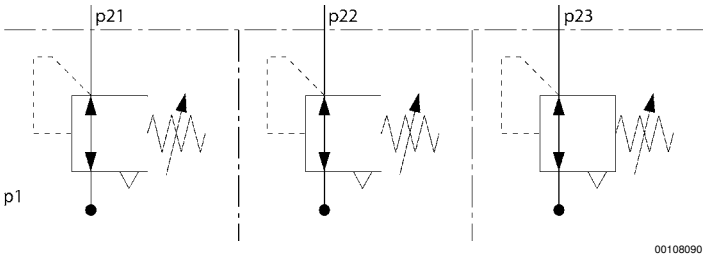
Technical Remarks

- 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



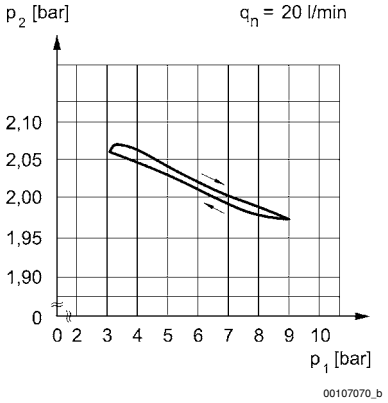
00108090

p1 = working pressure
p21; p22; p23 = secondary pressure

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

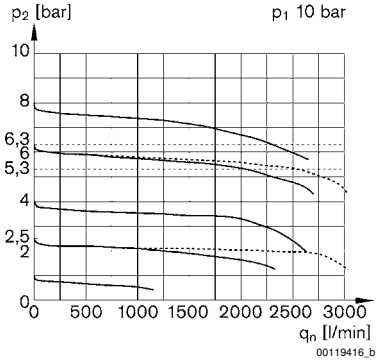
► G 1/4 - G 3/8 ► Qn= 2200 - 2700 l/min ► Activation: mechanical ► with continuous pressure supply ► lockable ► suitable for ATEX

Pressure characteristics curve



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

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

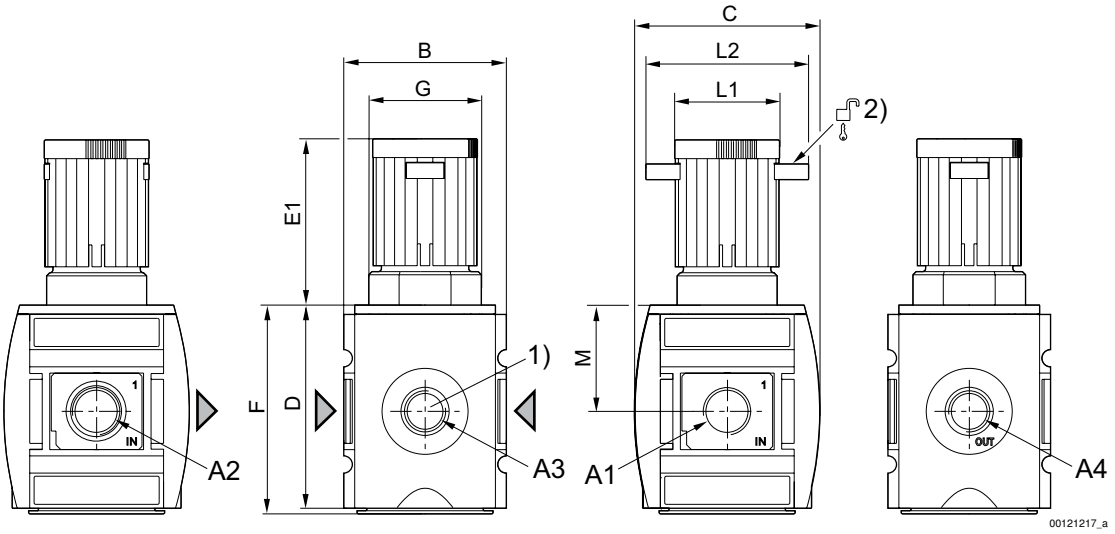


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

Pressure regulator, Series AS2-RGS

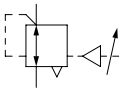
► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically

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

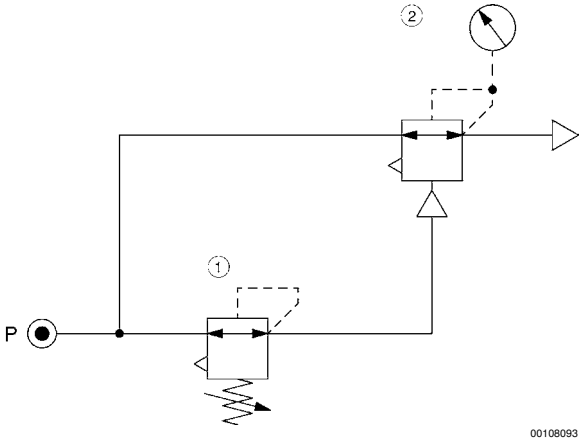
Technical Remarks

- 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 G 3/8	2700	0.5 - 16	0.314	R412006094 R412006095

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

Application example



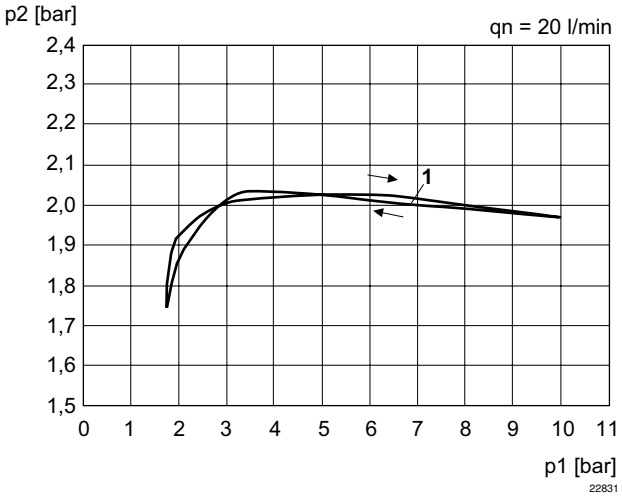
00108093

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

Pressure regulator, Series AS2-RGS

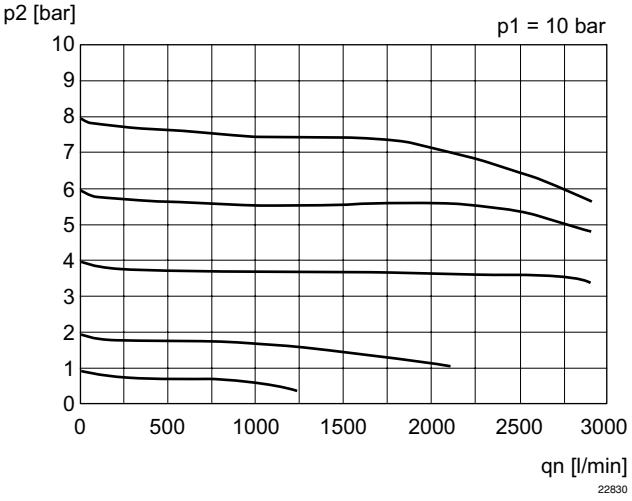
► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically

Pressure characteristics curve



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

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

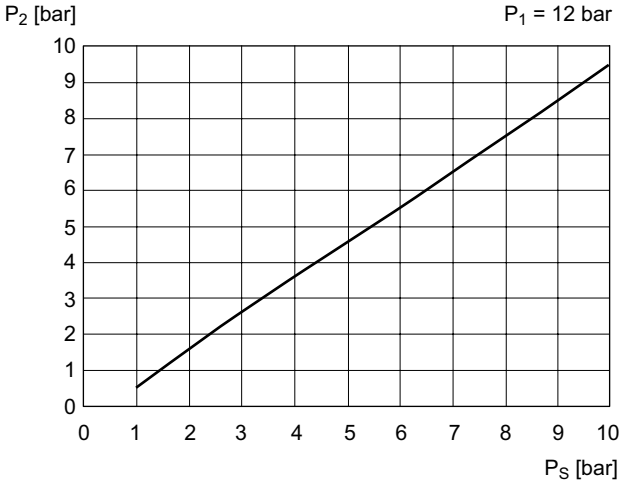


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Pressure regulator, Series AS2-RGS

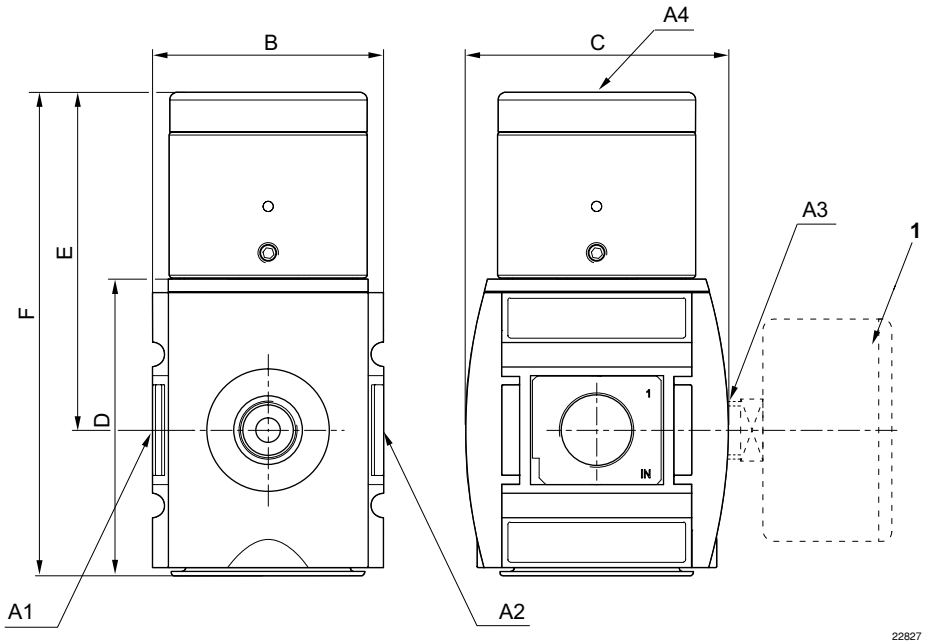
► G 1/4 - G 3/8 ► Qn= 2700 l/min ► Activation: pneumatically

control pressure characteristic



p1 = working pressure
p2 = secondary pressure
PS = control pressure

Dimensions



A1 = input
A2 = output
A3 = pressure gauge connection
A4 = control pressure connection
1) Order pressure gauge separately

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

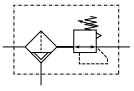
Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type 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

Filter pressure regulator, Series AS2-FRE

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

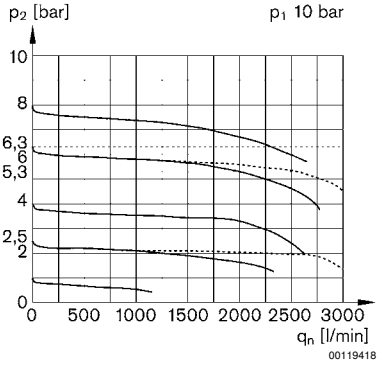
	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.304	1); 3)	**R412006175**
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.347	1); 3)	**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

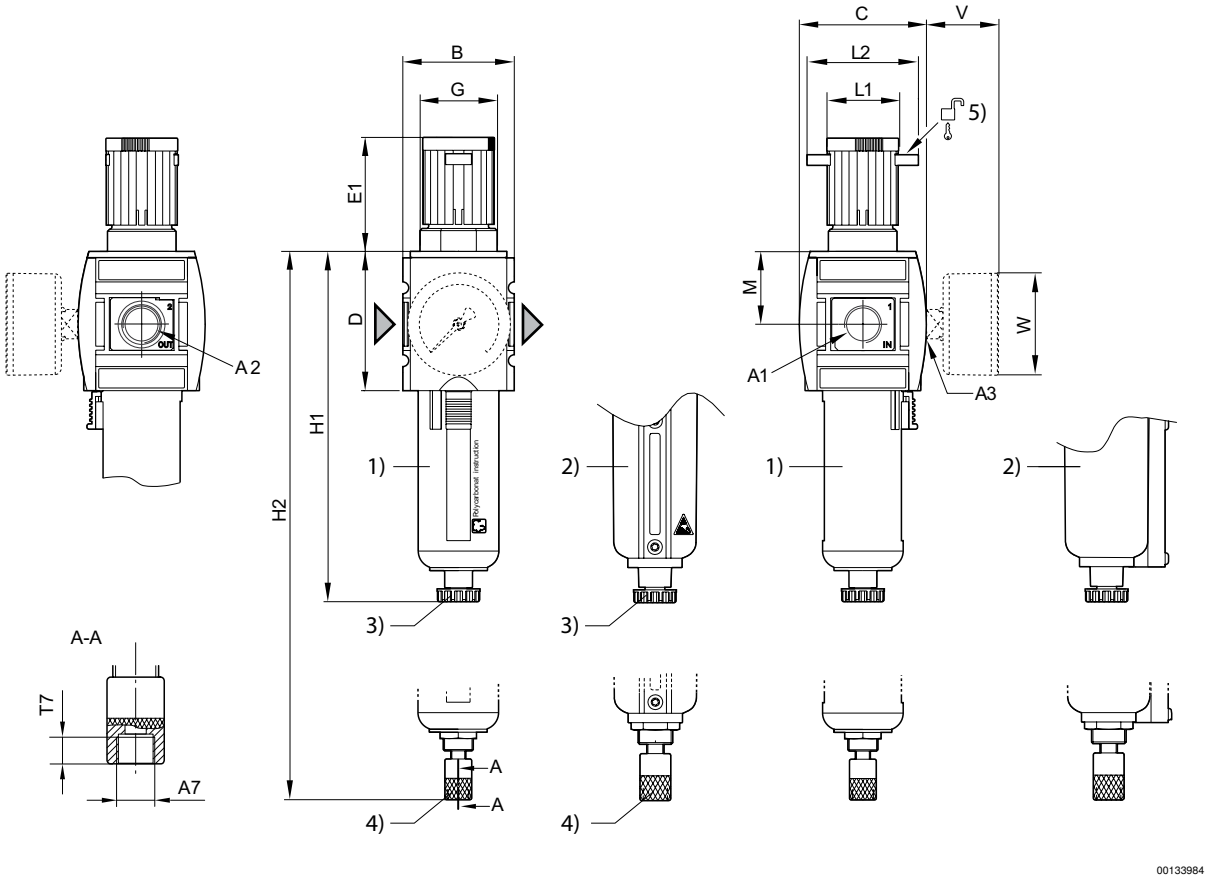
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► suitable for ATEX

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
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

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

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

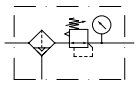
Version	1-in-1, Can be assembled into blocks
Parts	Filter, Pressure regulator
Mounting orientation	vertical
Working pressure min./max.	See table below
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type 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

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

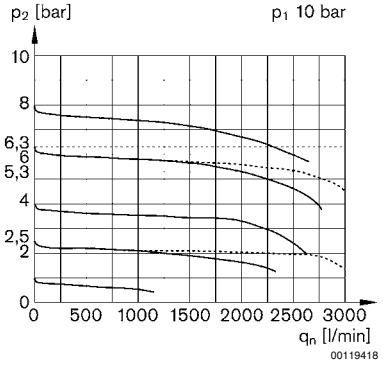
	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.394	1); 3)	**R412006200**
	G 1/4	2100	2 / 16	0.5 / 8	fully automatic, open without pressure	0.437	1); 3)	**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

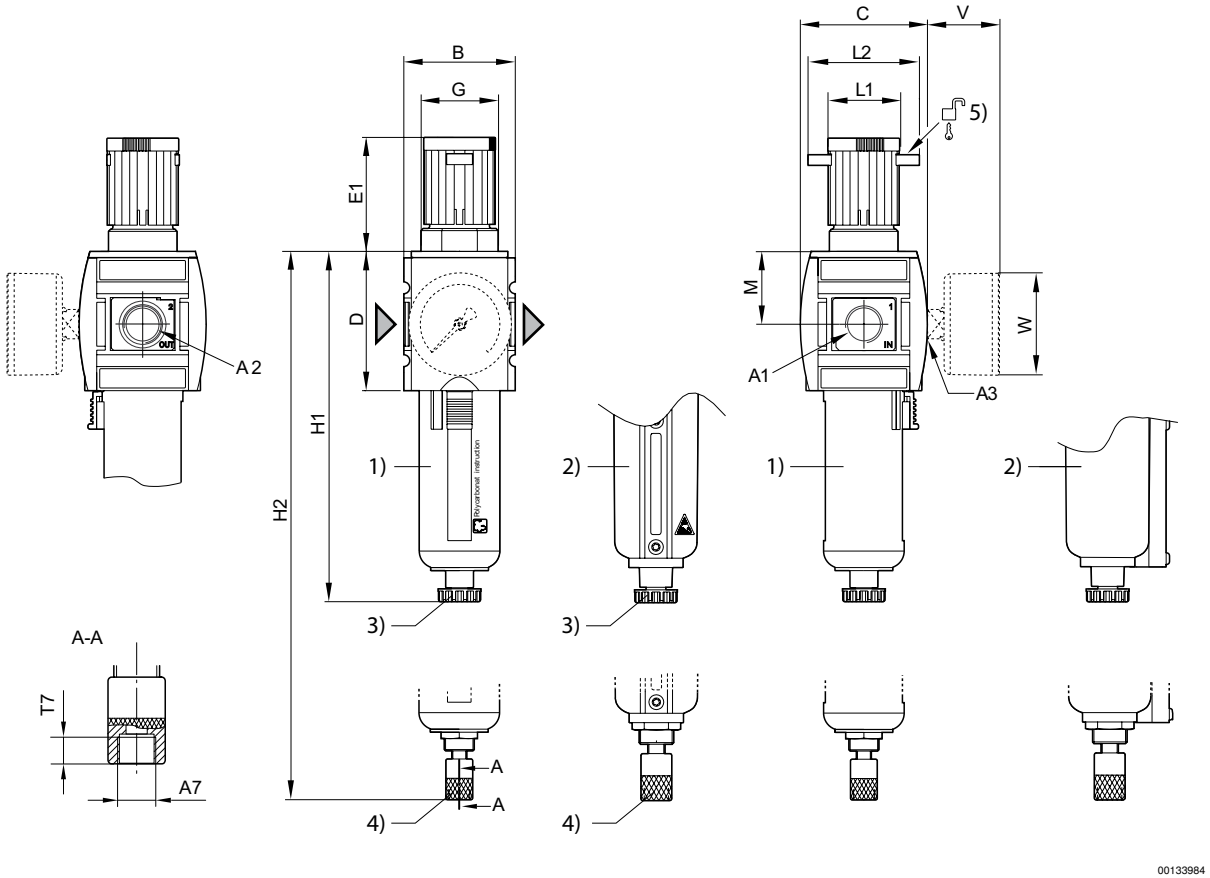
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

Flow rate characteristic



p1 = Working pressure
p2 = Secondary pressure
qn = 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

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

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

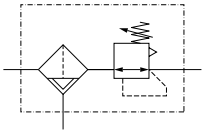
► G 1/4 ► filter porosity: 5 µm ► lockable ► with E11 locking

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 cm³
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”.

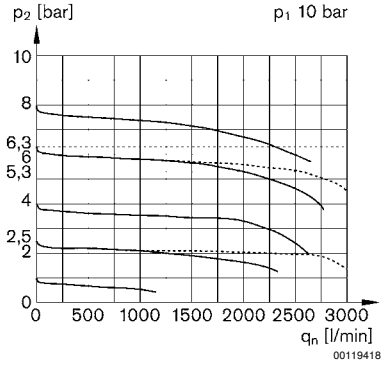
	Port	Qn [l/min]	Condensate drain	Weight [kg]	Part No.
	G 1/4	2100	fully automatic, closed without pressure	0.347	R412006189

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

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

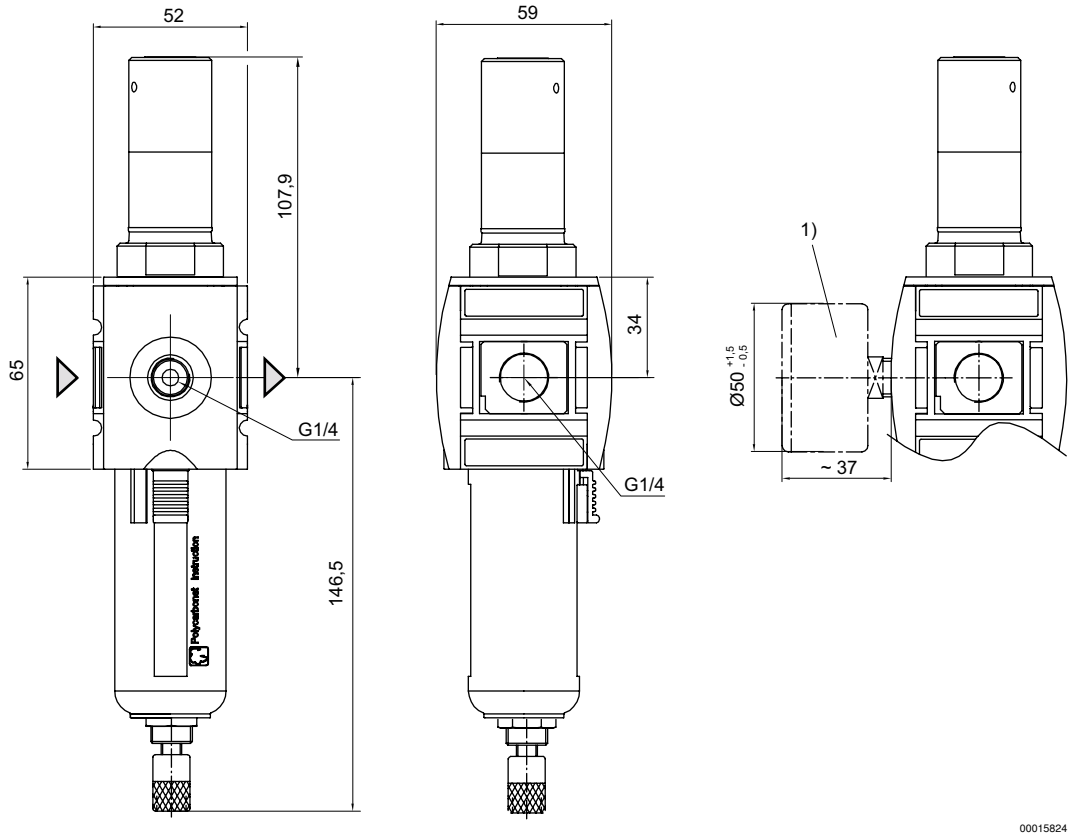
► G 1/4 ► filter porosity: 5 µm ► lockable ► with E11 locking

Flow rate characteristic



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

Dimensions



1) Order pressure gauge separately

Filter pressure regulator, Series AS2-FRE

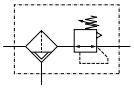
► G 1/4 - G 3/8 ► filter porosity: 25 µm ► lockable ► for padlocks ► suitable for ATEX

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 cm³
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

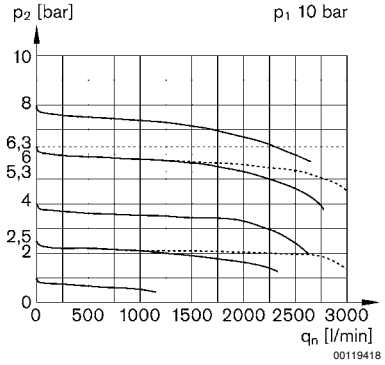
	Port	Qn	Working pressure min./max.	Adjustment range min./max.	Condensate drain	Weight	Note	Part No.
		[l/min]	[bar]	[bar]		[kg]		
	G 1/4	2100	2 / 16	0.5 / 8	semi-automatic, open without pressure	0.537	1)	**R412006180**
	G 1/4	2100	2 / 16	0.5 / 10	semi-automatic, open without pressure	0.304	2); 3)	**R412006218**
	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

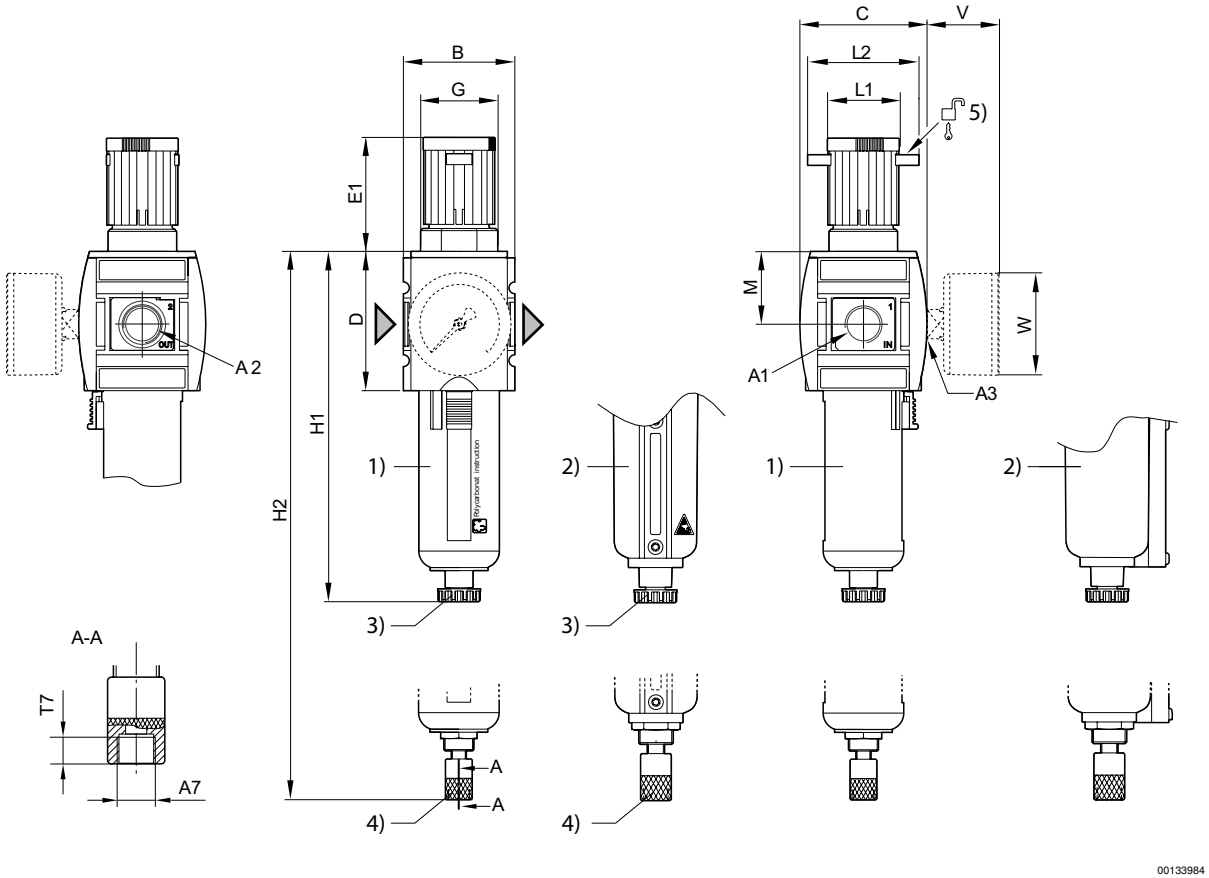
► G 1/4 - G 3/8 ► filter porosity: 25 µm ► lockable ► for padlocks ► suitable for ATEX

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

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								

Filter pressure regulator, Series AS2-FRE

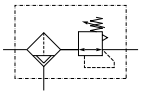
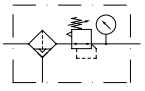
► G 1/4 - G 3/8 ► filter porosity: 40 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

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 cm^3
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

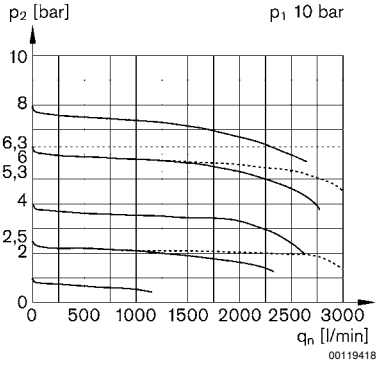
		Port	Qn	Working pressure min./max.	Condensate drain	Weight	Note	Part No.
			[l/min]	[bar]		[kg]		
	-	G 1/4	2100	0 / 16	fully automatic, open without pressure	0.661	2)	R412006199
		G 3/8	2600	2 / 16	semi-automatic, open without pressure	0.394	1)	**R412006224**

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

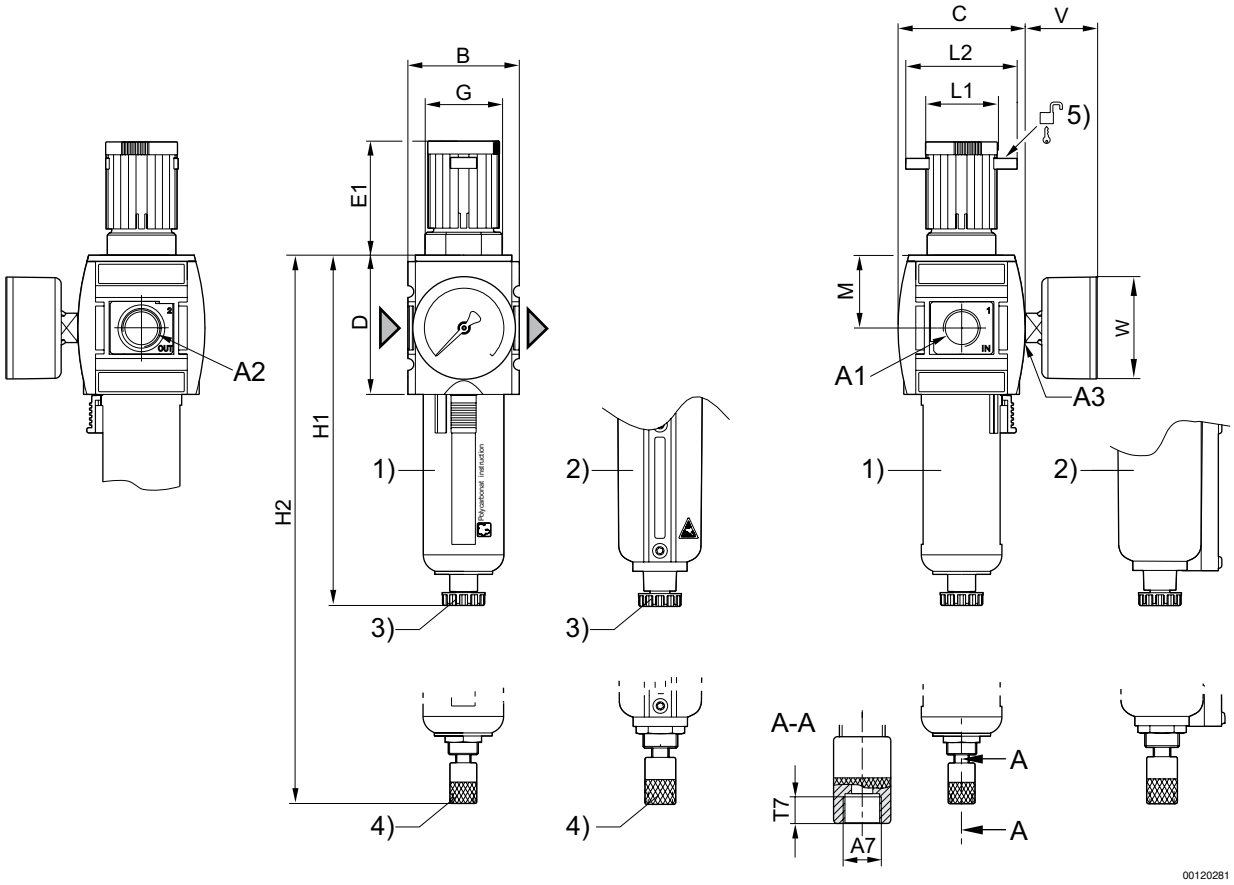
► G 1/4 - G 3/8 ► filter porosity: 40 µm ► lockable ► for padlocks ► with pressure gauge ► suitable for ATEX

Flow rate characteristic



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

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

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

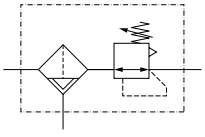
► G 1/4 ► filter porosity: 40 µm ► lockable ► with E11 locking

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 cm³
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”.

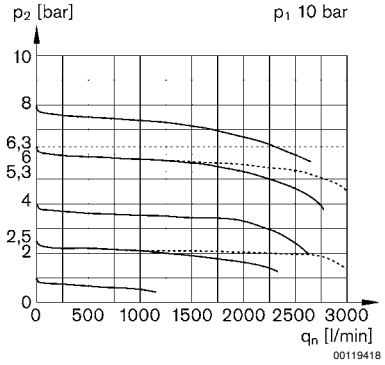
	Port	Qn [l/min]	Condensate drain	Weight [kg]	Part No.
	G 1/4	2100	fully automatic, closed without pressure	0.347	R412006188

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

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

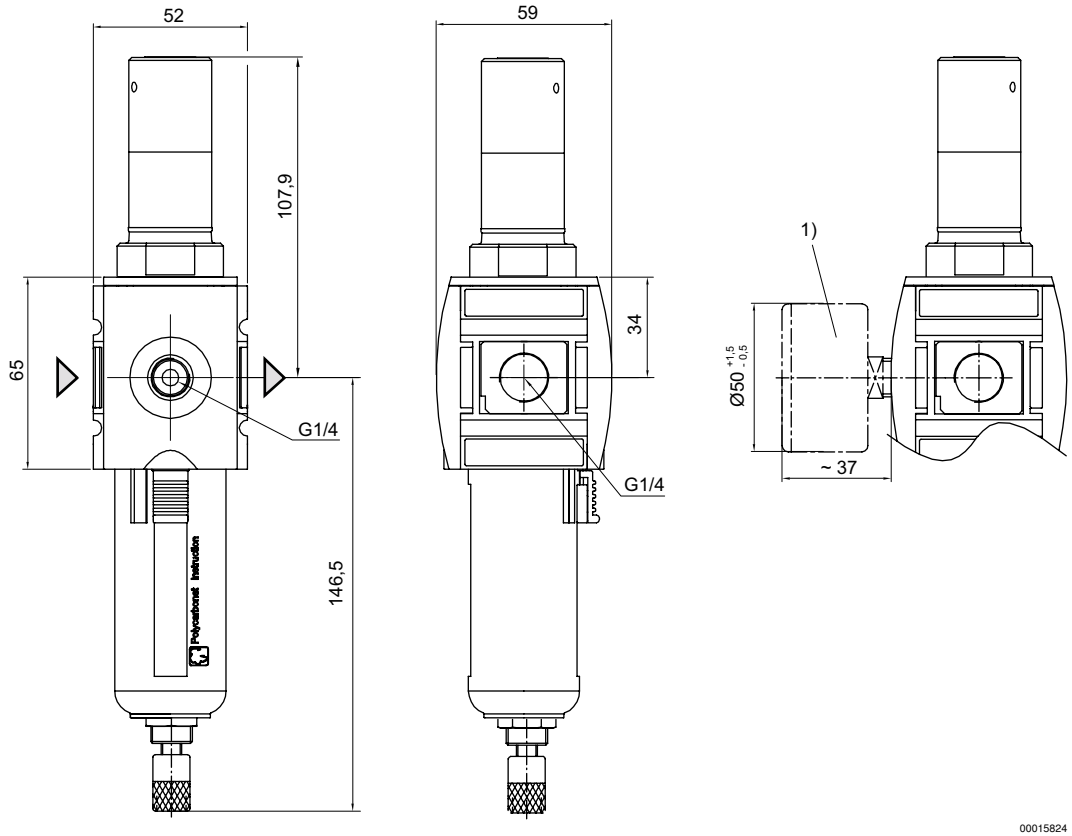
► G 1/4 ► filter porosity: 40 µm ► lockable ► with E11 locking

Flow rate characteristic



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

Dimensions



1) Order pressure gauge separately

Filter, Series AS2-FLS

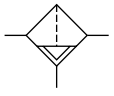
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► suitable for ATEX

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 cm³
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

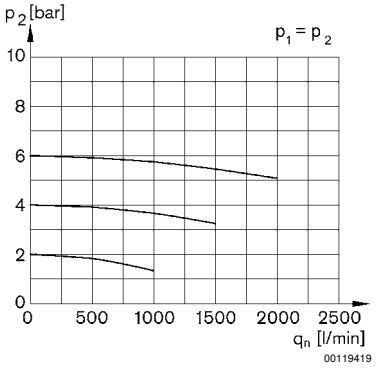
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

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

Filter, Series AS2-FLS

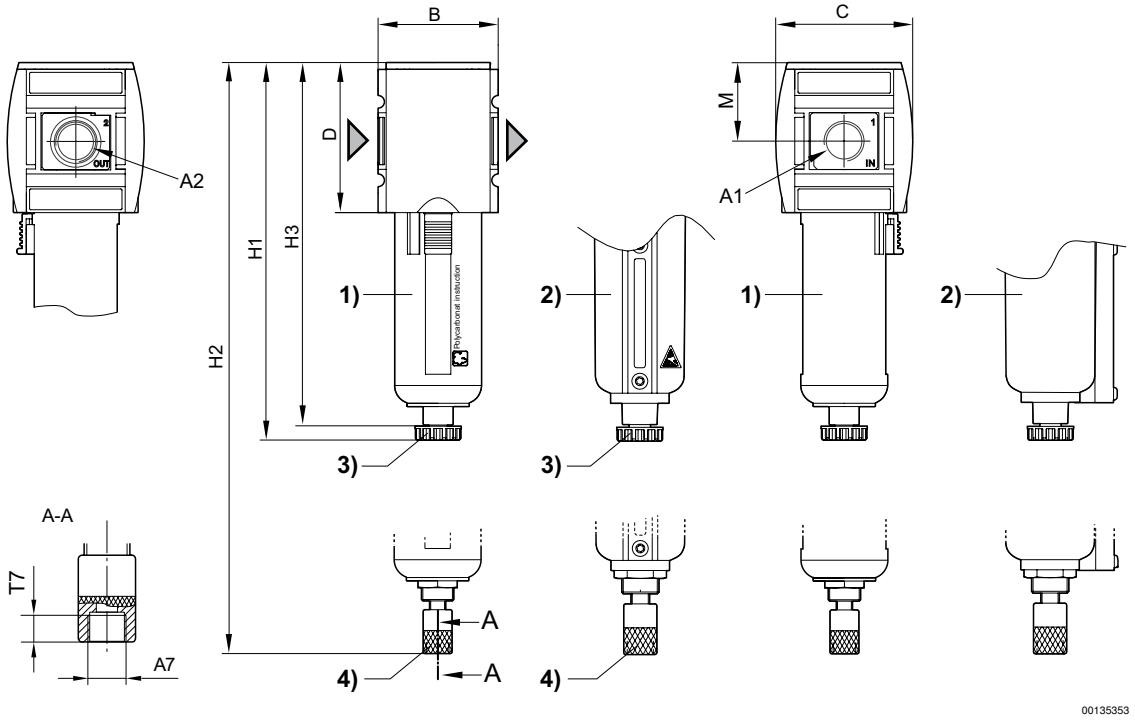
► G 1/4 - G 3/8 ► filter porosity: 5 µm ► suitable for ATEX

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			

Filter, Series AS2-FLS

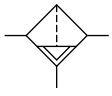
► G 1/4 ► filter porosity: 25 µm ► suitable for ATEX

00133768

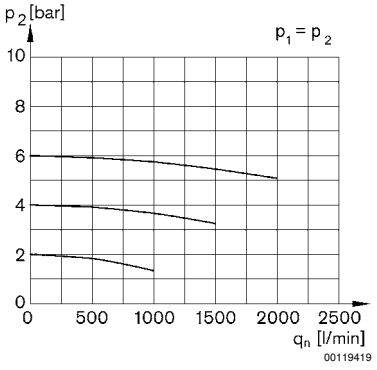
Version	Standard filter, Can be assembled into blocks
Mounting orientation	vertical
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	28 cm³
Filter element	exchangeable
filter porosity	25 µm
Condensate 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

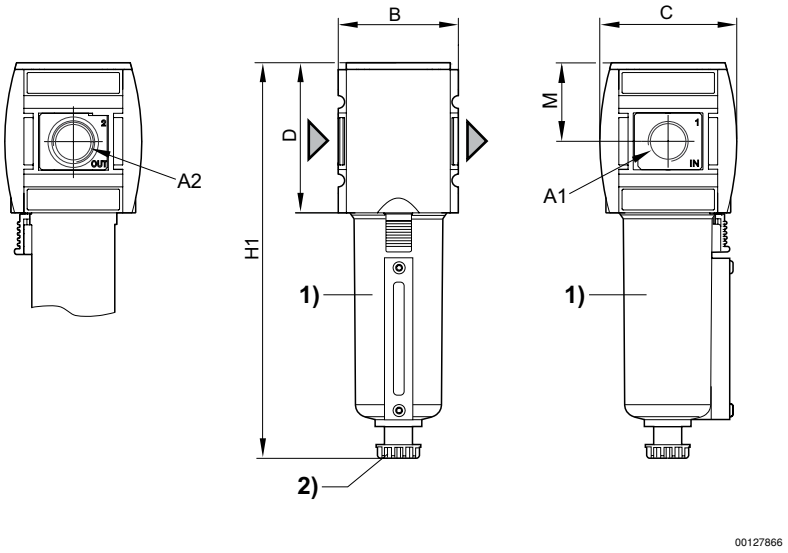


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

Filter, Series AS2-FLS

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

Dimensions



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							

Filter, Series AS2-FLS

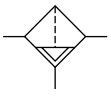
► G 1/4 - G 3/8 ► filter porosity: 40 µm ► suitable for ATEX

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 cm^3
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

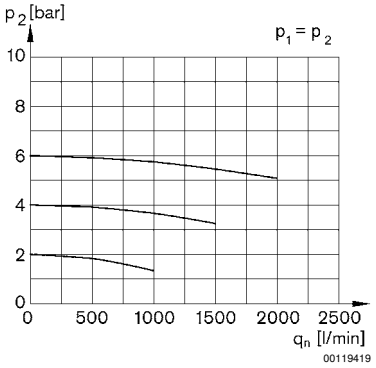
	Port	Qn	Working pressure min./max.	Condensate drain	Weight	Part No.
		[l/min]	[bar]		[kg]	
	G 1/4	2100	2 / 16	semi-automatic, open without pressure	0.212	R412006003
	G 1/4		2 / 16	fully automatic, open without pressure	0.255	R412006004
	G 1/4		0 / 16	fully automatic, closed without pressure	0.255	R412006005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

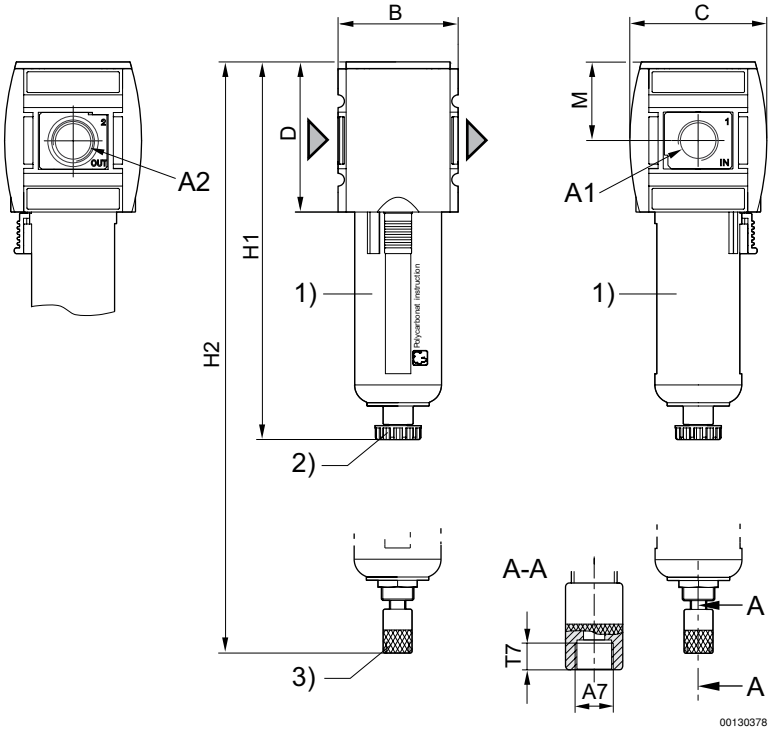
► G 1/4 - G 3/8 ► filter porosity: 40 µm ► suitable for ATEX

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				

Pre-filter, Series AS2-FLP

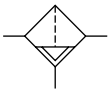
► G 1/4 - G 3/8 ► filter porosity: 0.3 µm ► suitable for ATEX

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

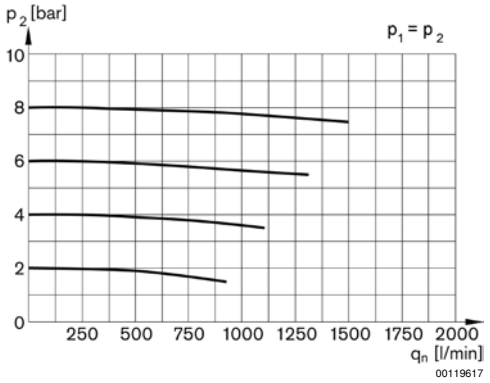
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

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

Pre-filter, Series AS2-FLP

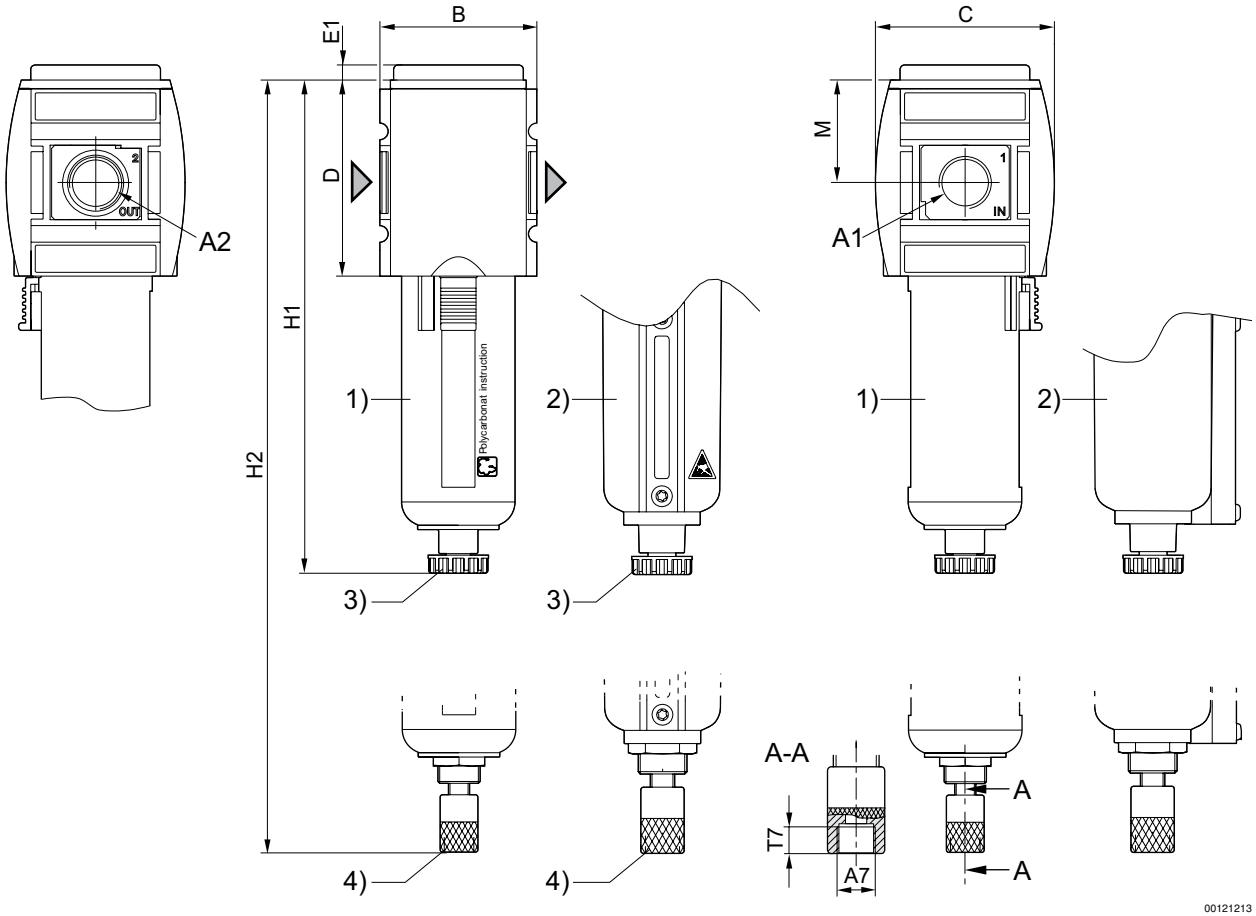
► G 1/4 - G 3/8 ► filter porosity: 0.3 µm ► suitable for ATEX

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

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

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

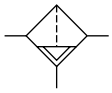
► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► suitable for ATEX

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 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	**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

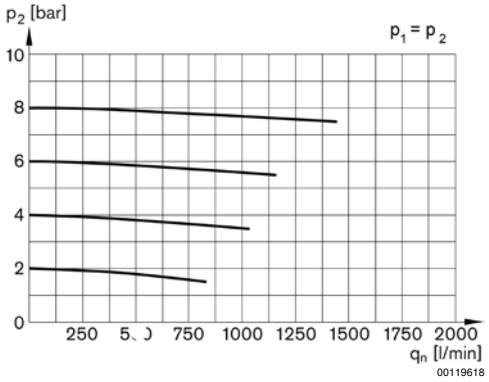
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0,1 bar

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

Microfilter, Series AS2-FLC

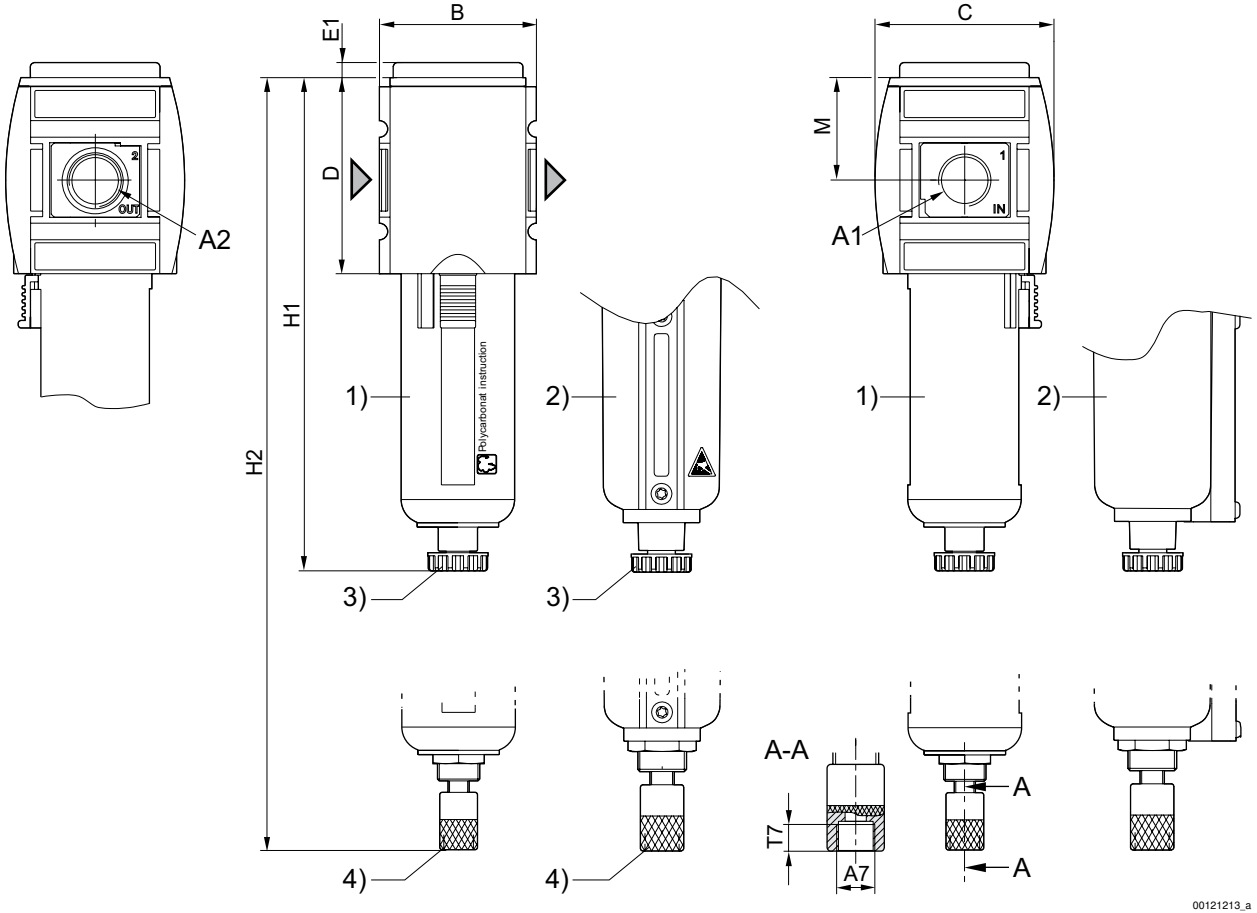
► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► suitable for ATEX

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			

Microfilter, Series AS2-FLC

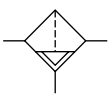
► G 1/4 - G 3/8 ► filter porosity: 0.01 µm ► contamination display: integrated ► suitable for ATEX

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

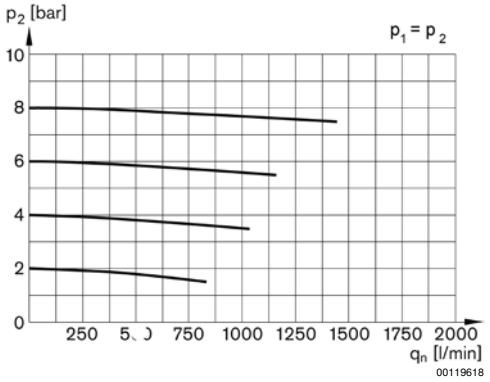
	Port	Qn	Working pressure min./max.	Condensate drain	Reservoir	Protective guard	Weight	Part No.
		[l/min]	[bar]				[kg]	
	G 1/4	350	2 / 16	semi-automatic, open without pressure	Polycarbonate	Polyamide	0.22	R412006054
	G 1/4		2 / 16	fully automatic, open without pressure	Polycarbonate	Polyamide	0.263	R412006055
	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

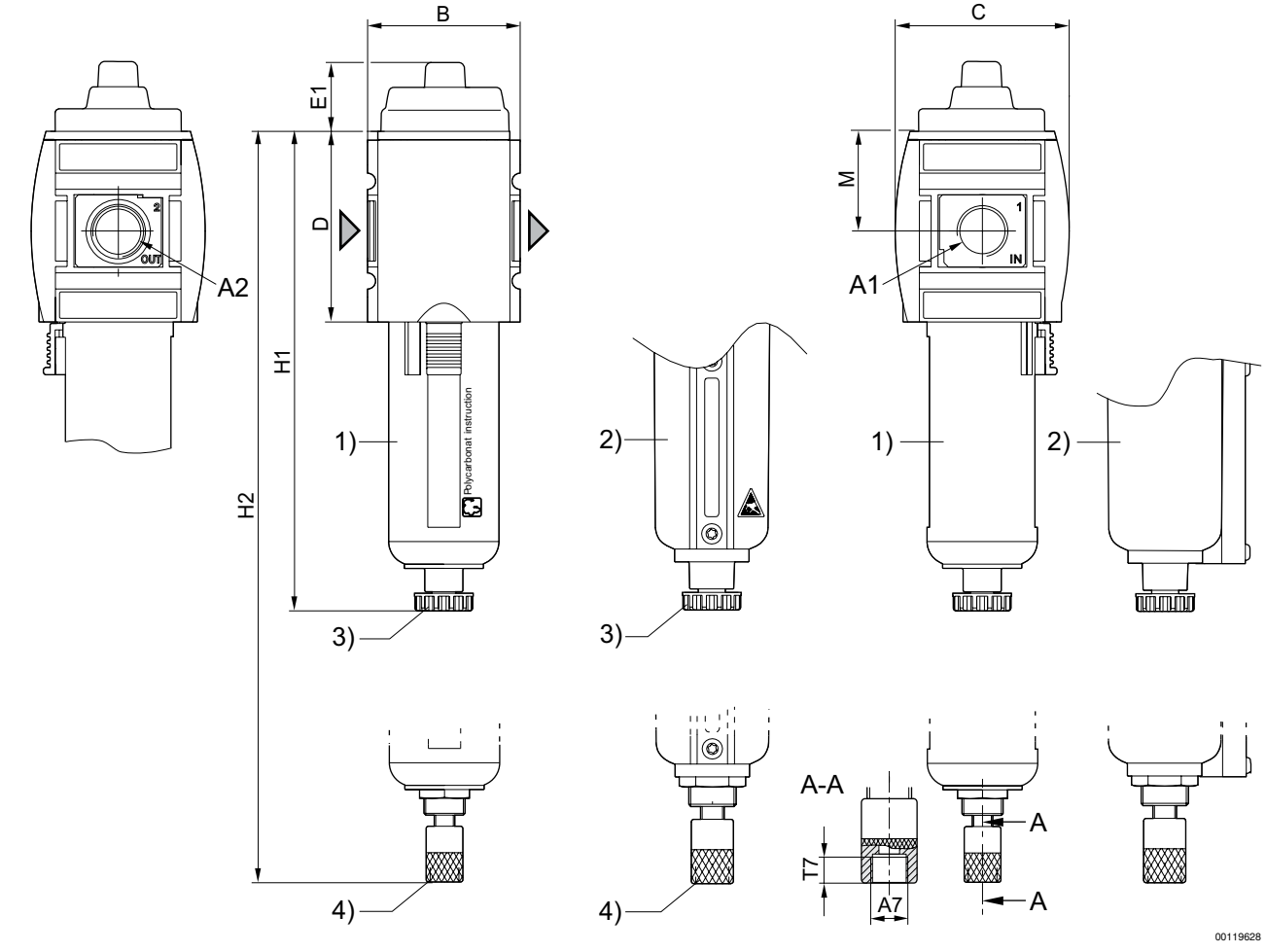


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

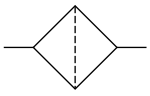
► G 1/4 - G 3/8 ► suitable for ATEX

00127783

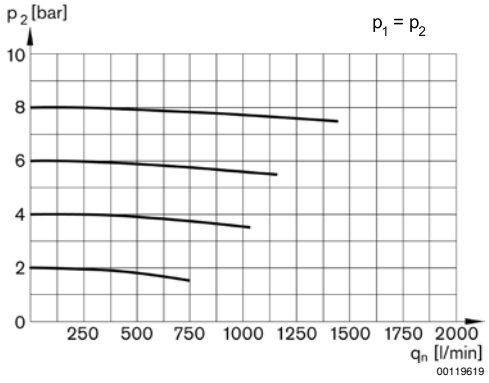
Version	Active carbon filter, Can be assembled into blocks
Mounting orientation	vertical
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Filter reservoir volume	12 cm³
Filter element	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



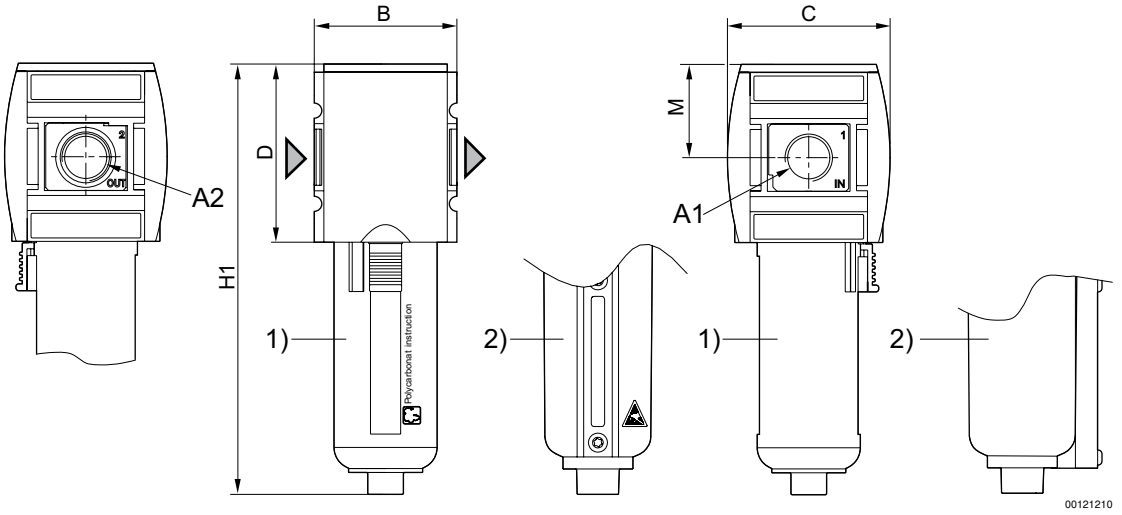
p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

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

Active carbon filter, Series AS2-FLA

► 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

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

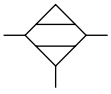
► G 3/8 ► suitable for ATEX

00134252

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 Qn
- Suitable for use in Ex zones 1, 2, 21, 22
- Recommended pre-filtering [µm]: 5 / 0.01 µm

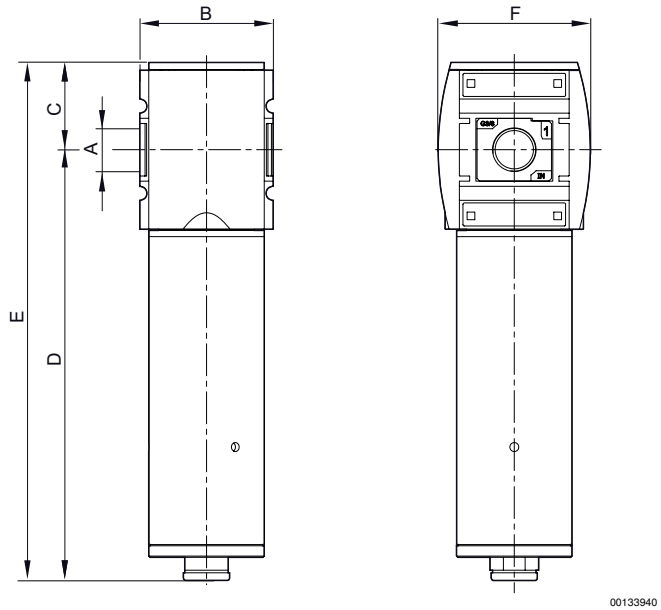
	Port	Qn [l/min]	Weight [kg]	Fig.	Note	Part No.
	G 3/8	50	0.48	Fig. 1	-	R412006078
		100	0.57	Fig. 1	-	R412006079
		150	0.69	Fig. 1	-	R412006080
		200	0.7	Fig. 1	-	R412006081
		300	1.43	Fig. 2	1)	R412006082
		400	1.73	Fig. 2	1)	R412006083

1) incl. distributor

Diaphragm-type dryer, Series AS2-ADD

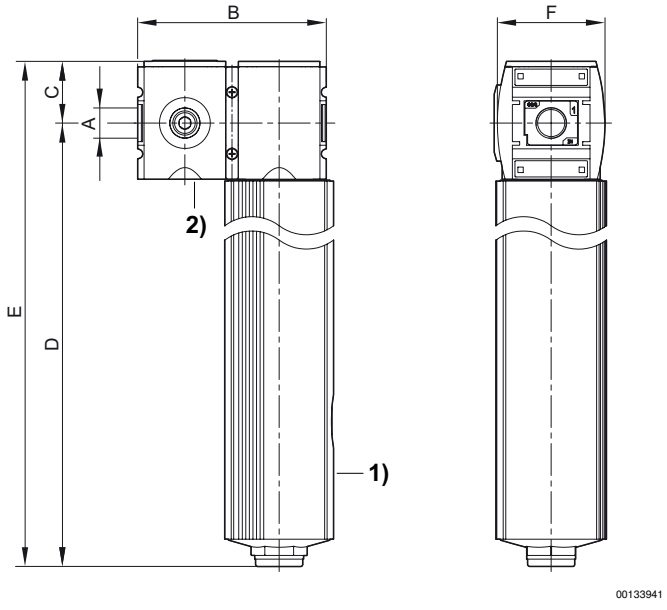
► G 3/8 ► suitable for ATEX

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

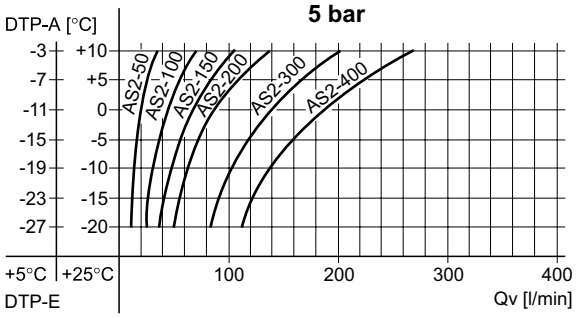


1) Diaphragm-type dryer
2) Distributor

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

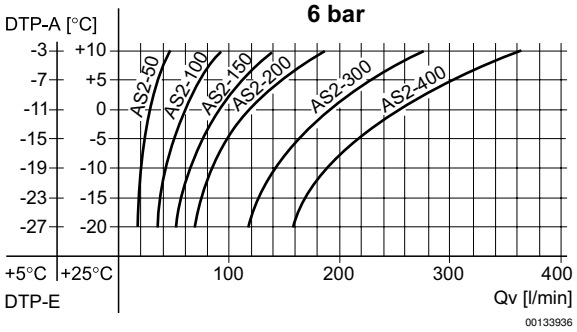
Part No.	A	B	C	D	E	F						
R412006082	G 3/8	104	34	412	446	59						
R412006083	G 3/8	104	34	472	506	59						

performance charts



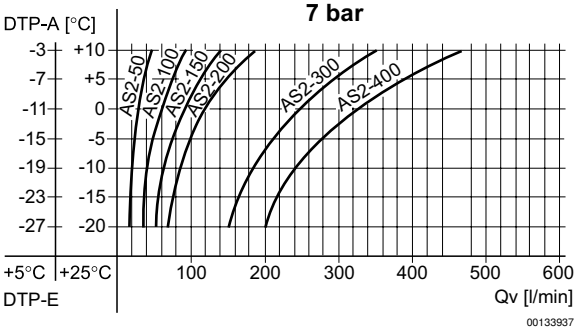
DTP-E: pressure dew point input
DTP-A: pressure dew point output
Qv: input flow rate (nominal flow rate Qn + purge air)

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

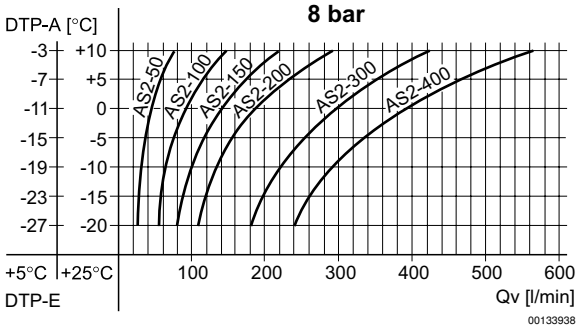


DTP-E: pressure dew point input
DTP-A: pressure dew point output
Qv: input flow rate (nominal flow rate Qn + purge air)

Diaphragm-type dryer, Series AS2-ADD

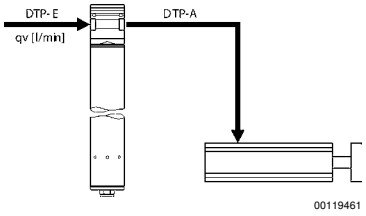
► G 3/8 ► suitable for ATEX

performance charts

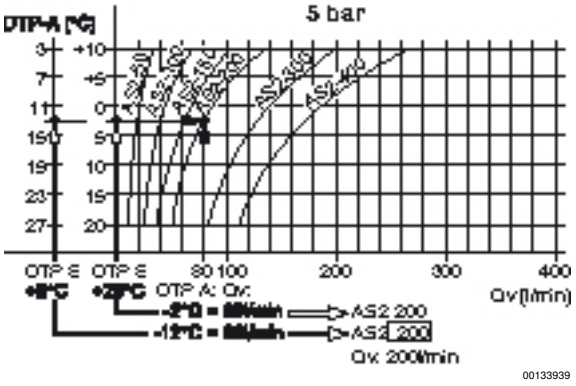


DTP-E: pressure dew point input
DTP-A: pressure dew point output
Qv: input flow rate (nominal flow rate Qn + purge air)

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

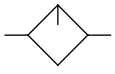
► G 1/4 - G 3/8 ► suitable for ATEX

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 cm³
Type of filling	Semi-automatic oil filling during operation Manual oil filling
Oil type	HLP 32 (DIN 51 524 - ISO VG 32) HLP 68 (DIN 51 524 - ISO VG 68)
Materials:	
Housing	Polyamide
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

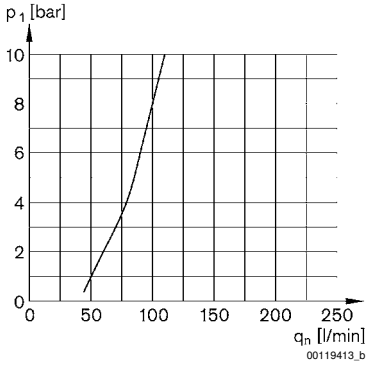
	Port	Qn	Reservoir	Protective guard	Weight	Note	Part No.
		[l/min]			[kg]		
	G 1/4	2800	Polycarbonate	Polyamide	0.229	2)	**R412006225**
	G 1/4	2800	Polycarbonate	Polyamide		1)	**R412006226**
	G 1/4	2800	Die cast zinc with window	-		2)	R412006229
	G 3/8	3100	Polycarbonate	Polyamide		2)	**R412006231**
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

Standard oil-mist lubricator, Series AS2-LBS

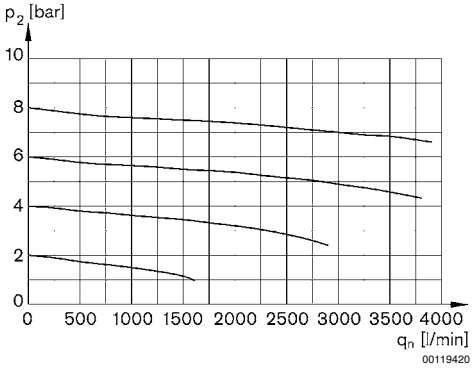
► G 1/4 - G 3/8 ► suitable for ATEX

Lubricator activation margin



p1 = working pressure
qn = nominal flow

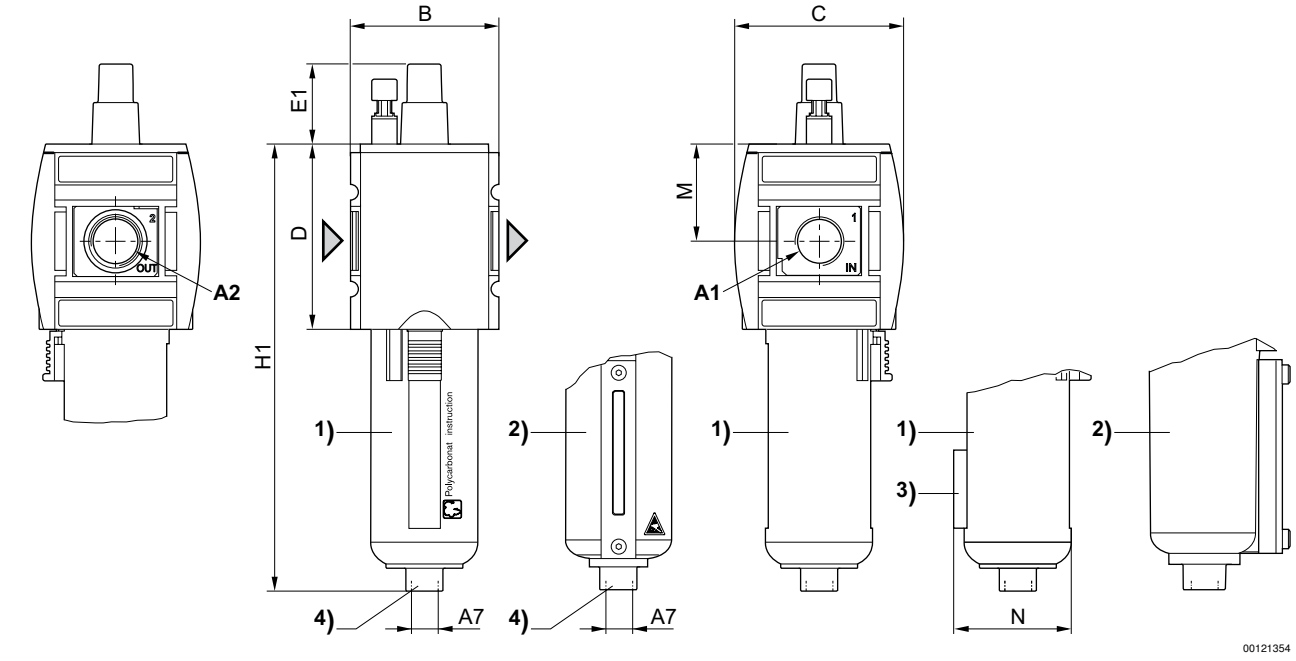
Flow rate characteristic



p2 = secondary pressure
qn = 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				

Filling unit, electrically operated, Series AS2-SSU

► G 1/4 - G 3/8 ► pipe connection

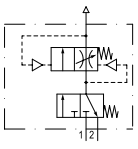
00119381_a

Parts	3/2-directional valve, electrically operated, Filling valve
Version	Poppet valve, Can be assembled into blocks
Nominal flow	1300 l/min
Nominal flow, 1►2	1300 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

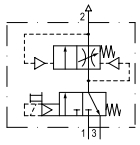
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- Builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a restart after a mains pressure failure or avoids emergency OFF switching. This also avoids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

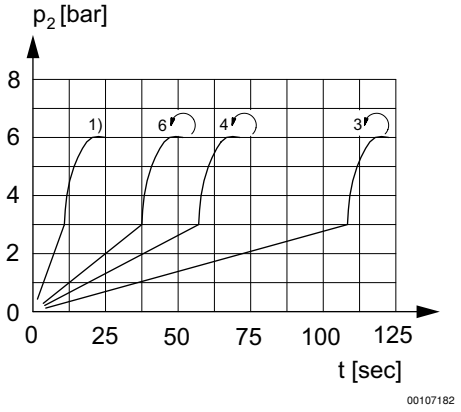
	MO	Compressed air connection			Operating voltage			Power consumption	Holding power	Part No.
		Input	Output	Exhaust	DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	
								[W]	[VA]	
		G 1/4	G 1/4		24 V	-	-	2	-	**R412006278**
		G 1/4	G 1/4		-	110 V	110 V	-	1.6	R412006279
		G 1/4	G 1/4		-	220 V	230 V	-	1.6	R412006280
		G 3/8	G 3/8	G 1/4	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						Fig. 1	3); 4); 9)
R412006286	-	-	-	-	0.424	Fig. 2	3); 5); 9)
R412006282						Fig. 1	3); 4); 9)
R412006287						Fig. 2	3); 5); 9)
R412006278	-	-	-	Plug ISO 15217, form C		Fig. 3	2); 6); 7); 8); 10)
R412006279	1.4	2.2	1.6	Plug ISO 15217, form C		Fig. 3	2); 6); 7); 8); 10)
R412006280	1.4	2.2	1.6	Plug ISO 15217, form C		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		Fig. 3	2); 6); 7); 8); 10)
R412006285	1.4	2.2	1.6	Plug ISO 15217, form C		Fig. 3	2); 6); 7); 8); 10)
R412006383	-	-	-	Plug M12x1		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 Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

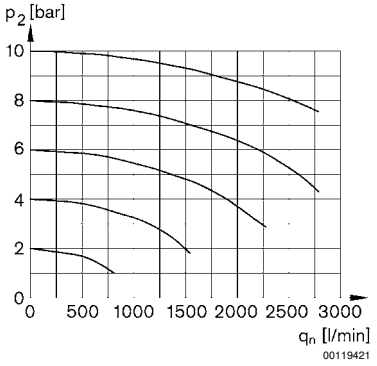
Filling unit, electrically operated, Series AS2-SSU
► G 1/4 - G 3/8 ► pipe connection

Secondary pressure while filling



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

Flow rate characteristic

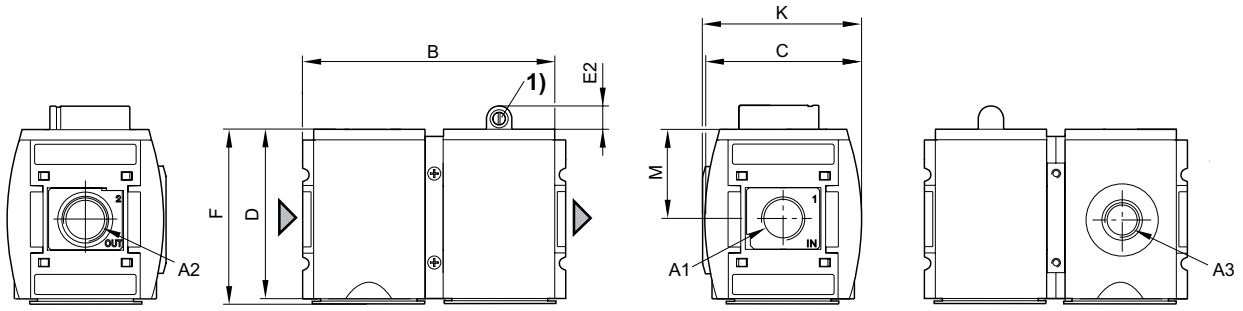


p2 = secondary pressure
qn = nominal flow

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

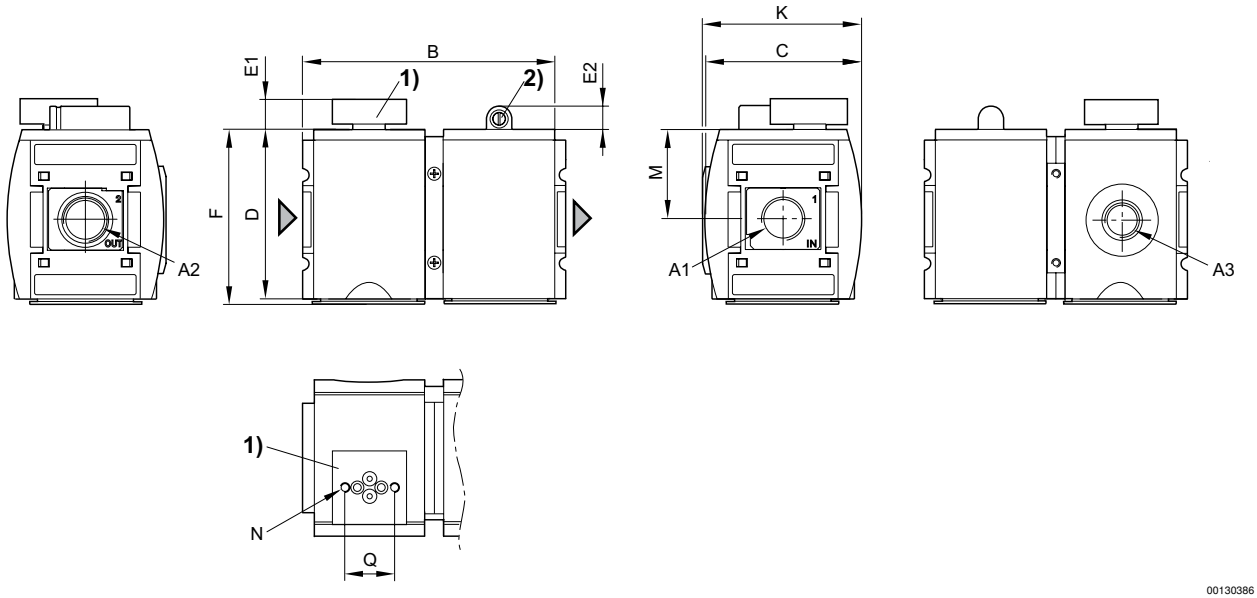


00137951

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

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



00130386

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

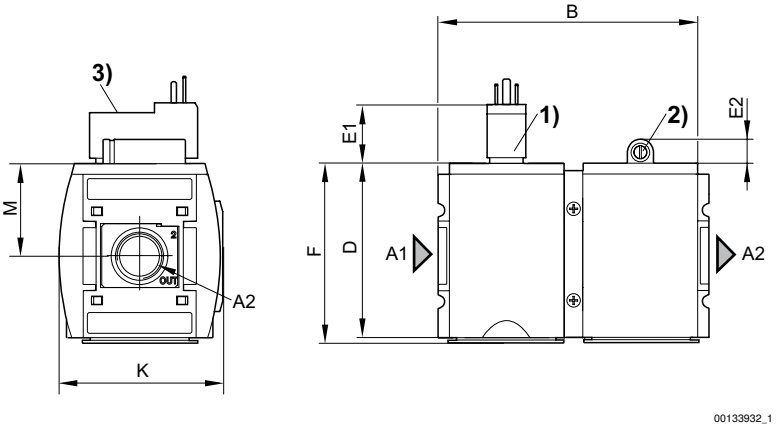
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

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	

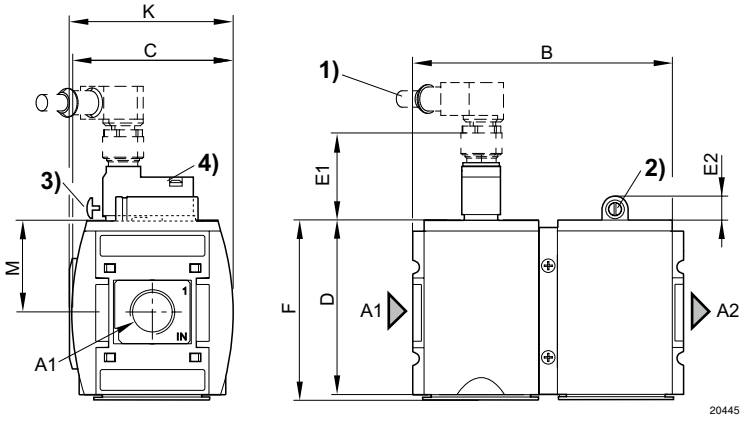
Fig. 3: Filling unit with pilot valve and port for electrical connector form C



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

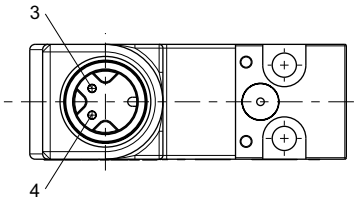


A1 = input
A2 = output
1) Port for plug M12x1
2) Adjustment screw for filling time
3) Adjustment screw lock
4) Manual override

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



3: +/-
4: +/-

Filling unit, electrically operated, Series AS2-SSU

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

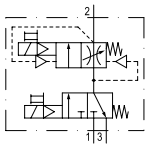
00134295_a

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

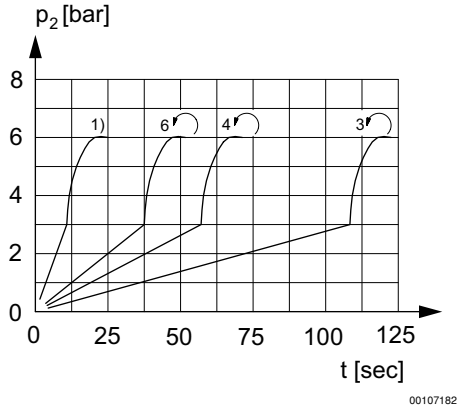
	MO	Compressed air connection			Operating voltage	Power consumption	Weight	Note	Part No.
		Input	Output	Exhaust	DC	DC			
						[W]	[kg]		
		G 1/4	G 1/4	G 1/4	24 V	2	0.424	1)	R412006384

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

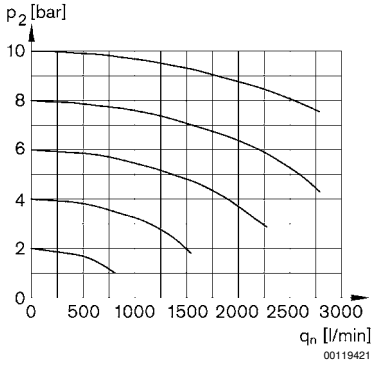
► Poppet valve with elect. priority circuit ► G 1/4 ► Electr. connection: Plug, M12x1

Secondary pressure while filling



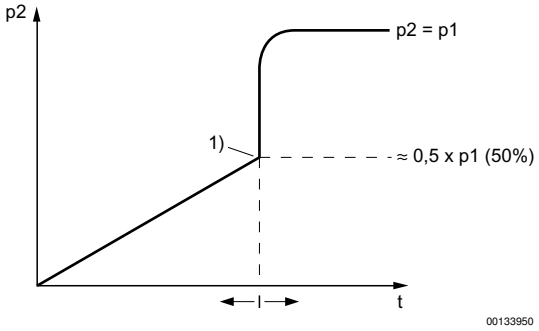
adjustable filling
1) Fully opened
p2 = secondary pressure
t = fill time

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Start function

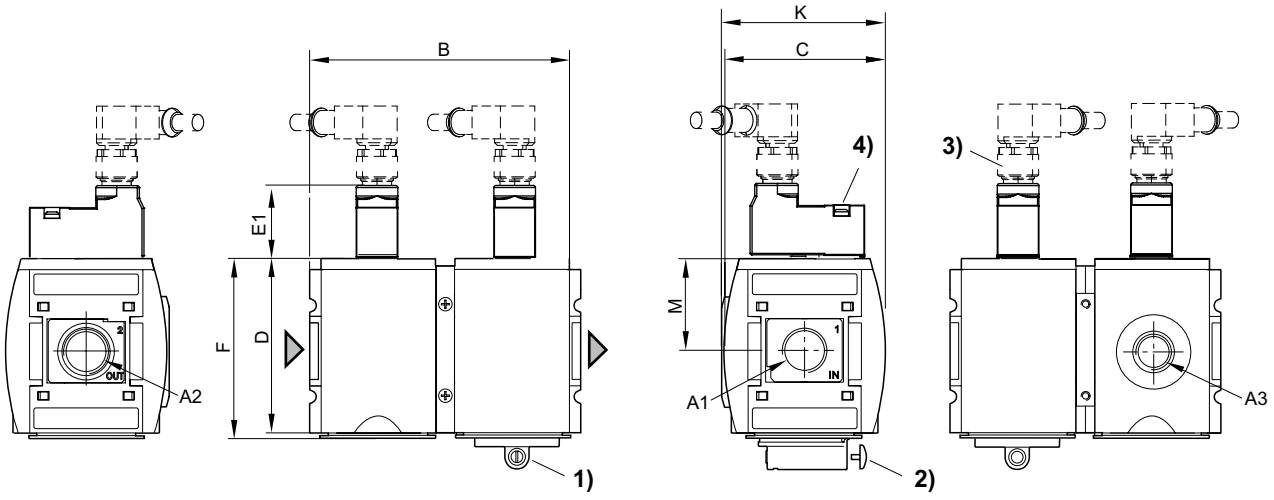


p1 = working pressure
p2 = output pressure
t = adjustable filling time
1) Switching point

Filling unit, electrically operated, Series AS2-SSU

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

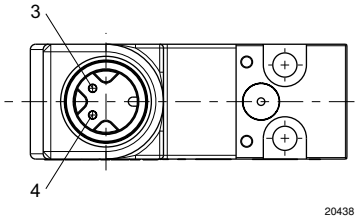
Dimensions



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



3: +/-
4: +/-

Filling unit, pneumatically operated, Series AS2-SSU

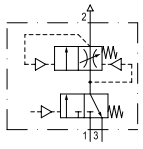
► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

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

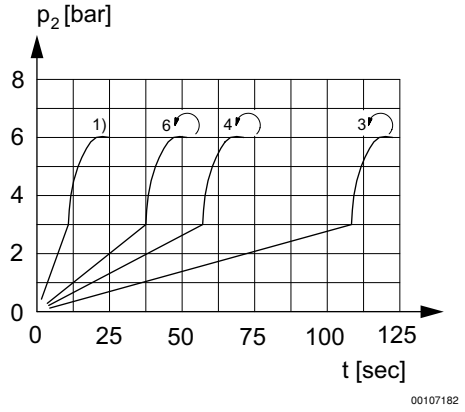
	Pilot connection	Port	Exhaust	Qn			Weight	Note	Part No.
					1►2	2►3			
						[l/min]	[kg]		
	G 1/8	G 1/4						-	R412006276
	G 1/4	G 1/4						1)	R412006289
			G 1/4	2000	2000	380	0.424		
	G 1/8	G 3/8						-	R412006281

1) With adjustment screw lock
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Filling unit, pneumatically operated, Series AS2-SSU

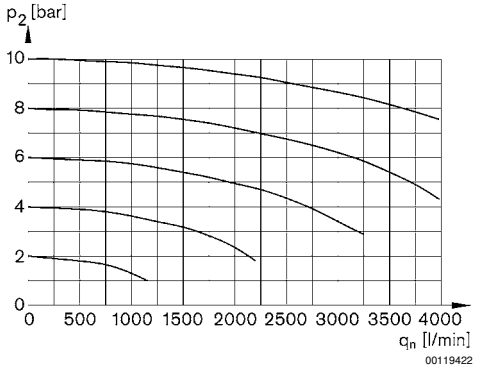
► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

Secondary pressure while filling



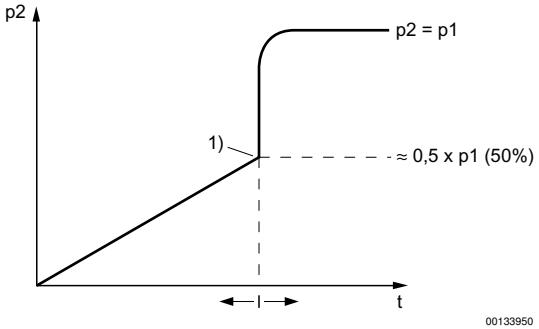
adjustable filling
1) Fully opened
p2 = secondary pressure
t = fill time

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Start function

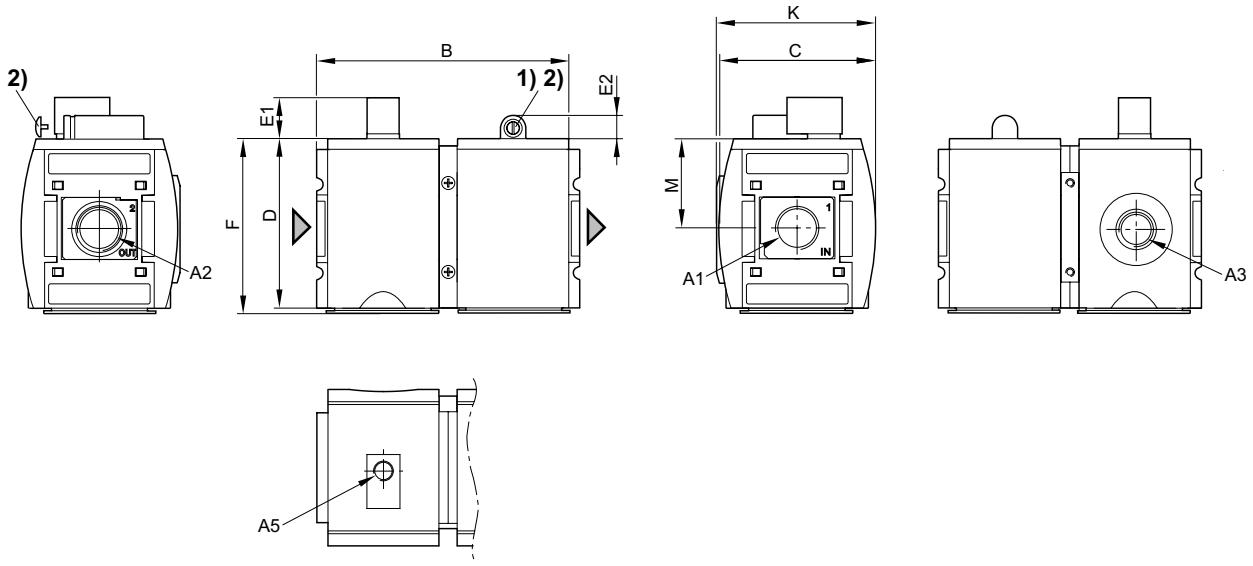


p1 = working pressure
p2 = output pressure
t = adjustable filling time
1) Switching point

Filling unit, pneumatically operated, Series AS2-SSU

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

Dimensions



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		

Filling unit, pneumatically operated, Series AS2-SSU

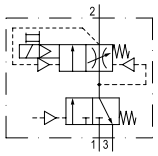
► adjustable filling time ► G 1/4 ► pipe connection

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,withPlug	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.

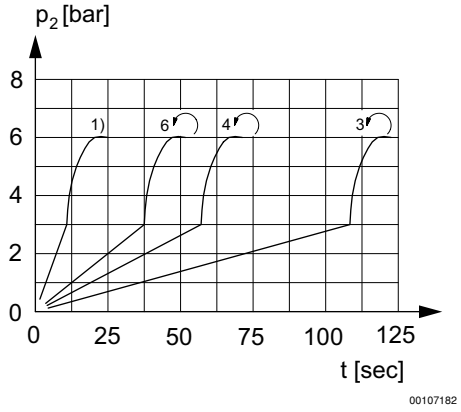
	Pilot connection	Port	Exhaust	Qn			Weight	Part No.
					1►2	2►3		
						[l/min]	[kg]	
	G 1/8	G 1/4	G 1/4	2000	2000	380	0.424	R412006382

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

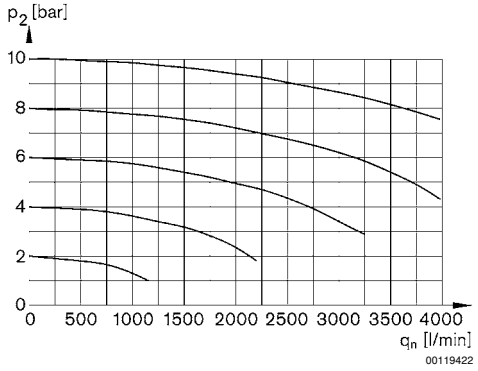
► adjustable filling time ► G 1/4 ► pipe connection

Secondary pressure while filling



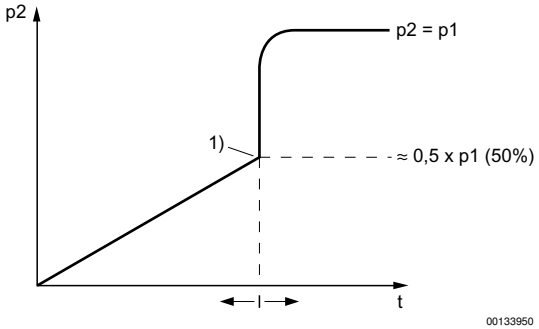
adjustable filling time
1) Fully opened
p2 = secondary pressure
t = fill time

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Start function

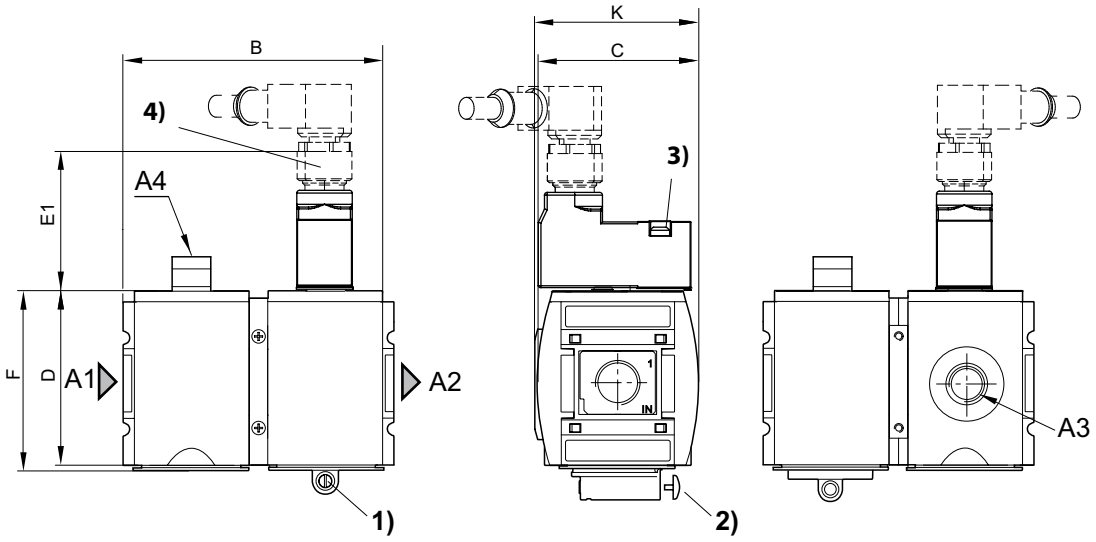


p2 = output pressure
t = adjustable filling time
1) Switching point

Filling unit, pneumatically operated, Series AS2-SSU

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

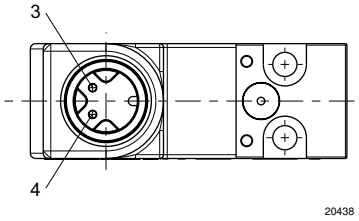
Dimensions



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



3: +/-
4: +/-

Filling valve, pneumatically operated, Series AS2-SSV

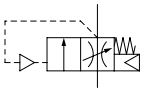
► G 1/4 - G 3/8 ► suitable for ATEX

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

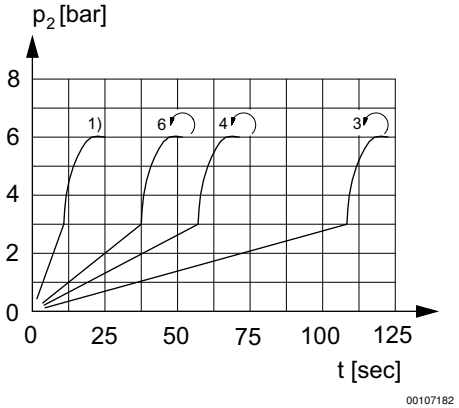
Technical Remarks

- 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 [l/min]	Weight [kg]	Note	Part No.
	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



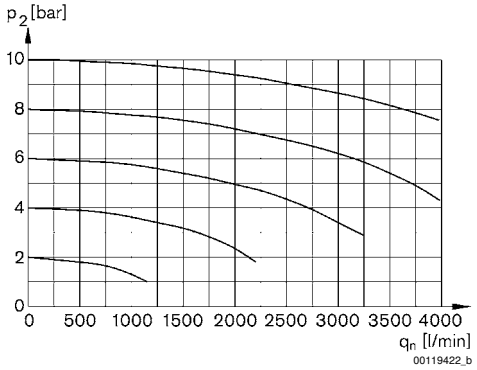
00107182

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

Filling valve, pneumatically operated, Series AS2-SSV

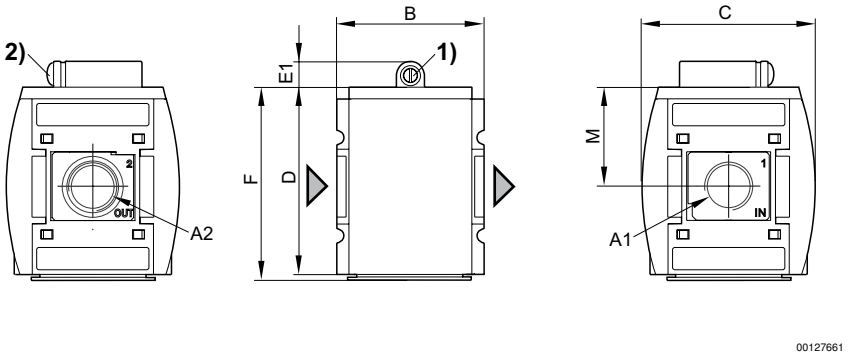
► G 1/4 - G 3/8 ► suitable for ATEX

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Dimensions



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

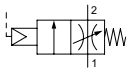
► External pneumatic control ► G 1/4 - G 3/8 ► pipe connection

IM0046393

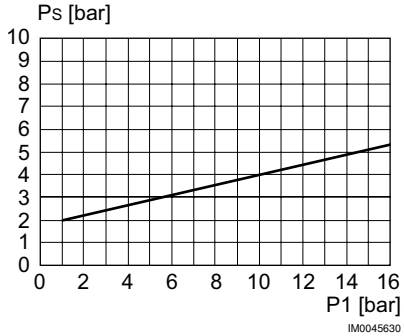
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	1 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	+0 °C / +50 °C
Ambient temperature min./max.	+0 °C / +50 °C
Sealing principle	Soft sealing
Max. particle size	40 µm
Materials:	
Housing	Polyamide
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.

	Pilot connection	Port	Qn	Weight	Part No.
			1►2		
			[l/min]	[kg]	
	G 1/8	G 1/4 G 3/8	1900	0.314	R412006311 R412006312
Nominal flow with secondary pressure 6,3 bar at Δp = 1 bar					

control pressure characteristic



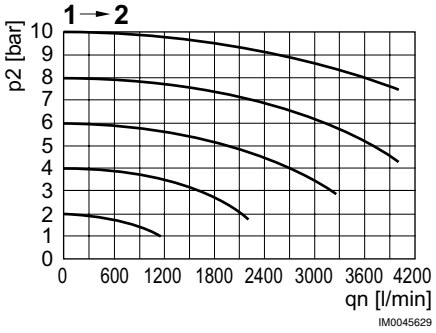
IM0045630

p1 = working pressure
PS = control pressure

Filling valve, pneumatically operated, Series AS2-SSV

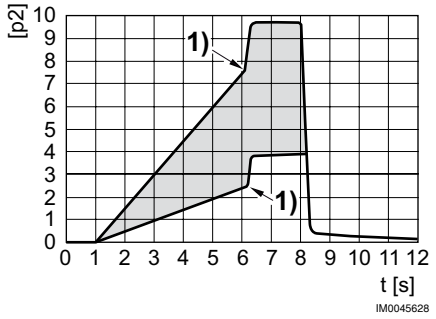
► External pneumatic control ► G 1/4 - G 3/8 ► pipe connection

Flow rate characteristic



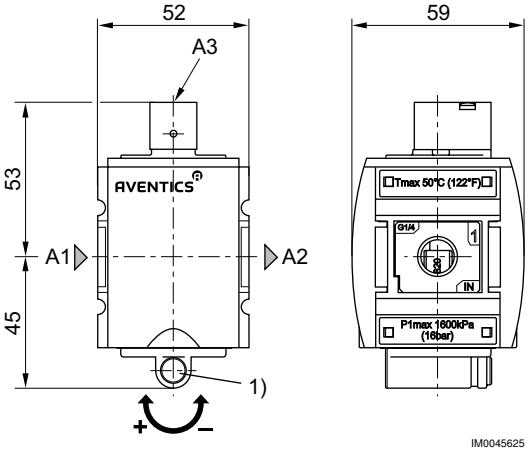
p2 = secondary pressure
qn = nominal flow

Start function



1) Switching point, can be freely selected
p2 = output pressure

Dimensions



A1 = input
A2 = output
A3 = control pressure connection
1) Adjustment screw for filling time

Filling valve, pneumatically operated, Series AS2-SSV

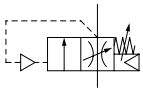
► adjustable filling time and change-over pressure ► G 1/4

00134296

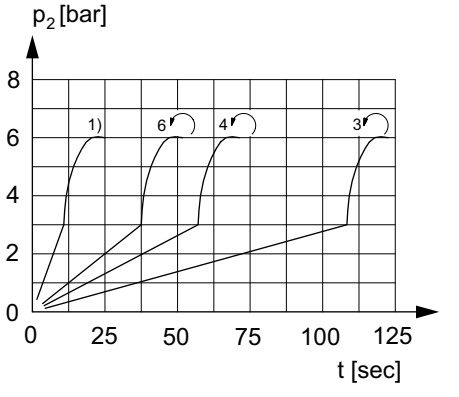
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	3 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Sealing principle	Soft sealing
Max. particle size	40 µm
Materials:	
Housing	Polyamide
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	G 3/8	2000	0.203	R412006245
	G 3/8				**R412006246**
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Secondary pressure while filling



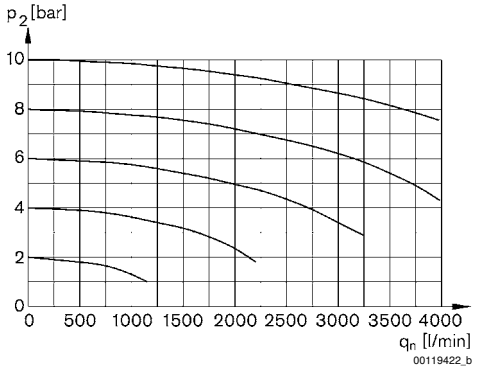
00107182

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

Filling valve, pneumatically operated, Series AS2-SSV

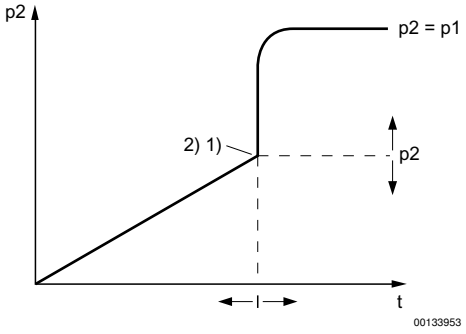
► adjustable filling time and change-over pressure ► G 1/4

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Start function

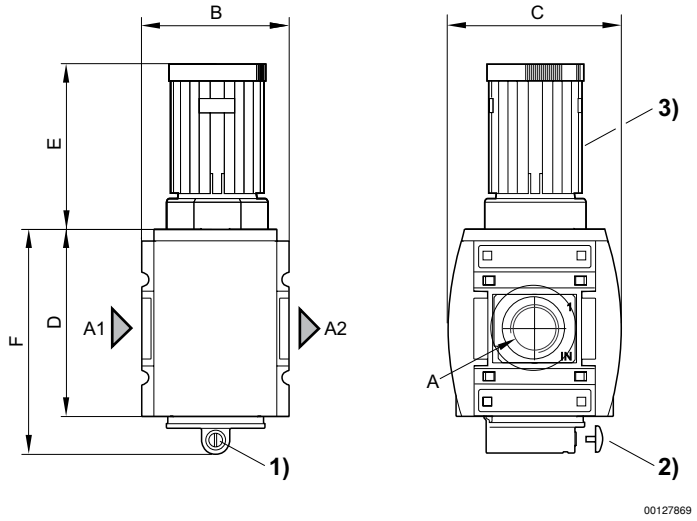


p2 = output pressure
t = adjustable filling time
1) Switching point
2) adjustable filling time and change-over pressure

Filling valve, pneumatically operated, Series AS2-SSV

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

Dimensions



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							

Filling unit, pneumatically operated, Series AS2-SSV

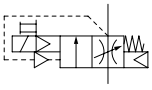
► Poppet valve with elect. priority circuit ► G 1/4

00134293_a

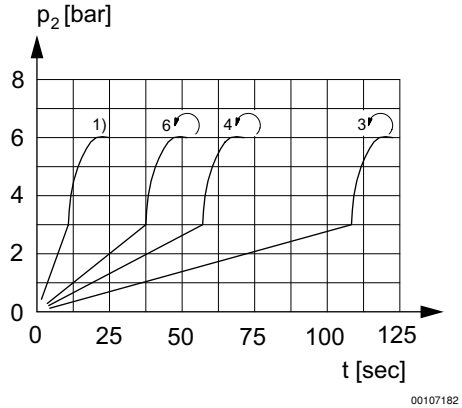
Version	Poppet valve with elect. priority circuit, Can be assembled into blocks
Working pressure min./max.	3 bar / 10 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Sealing principle	Soft sealing
Max. particle size	25 µm
Protection class,withPlug	IP65
Einschaltdauer	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	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



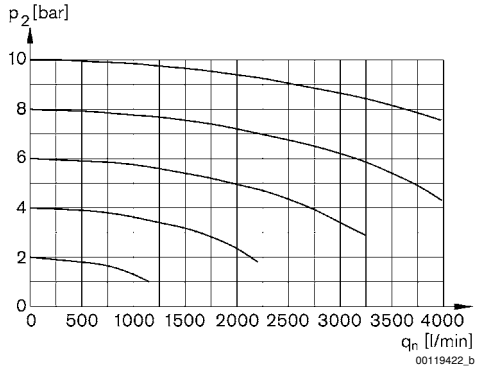
00107182

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

Filling unit, pneumatically operated, Series AS2-SSV

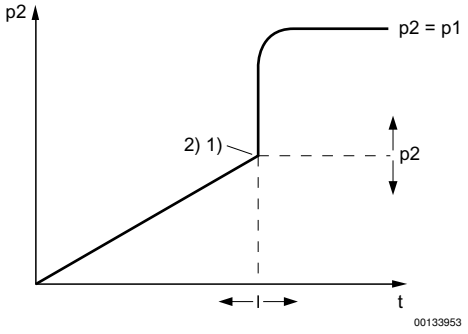
► Poppet valve with elect. priority circuit ► G 1/4

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Start function

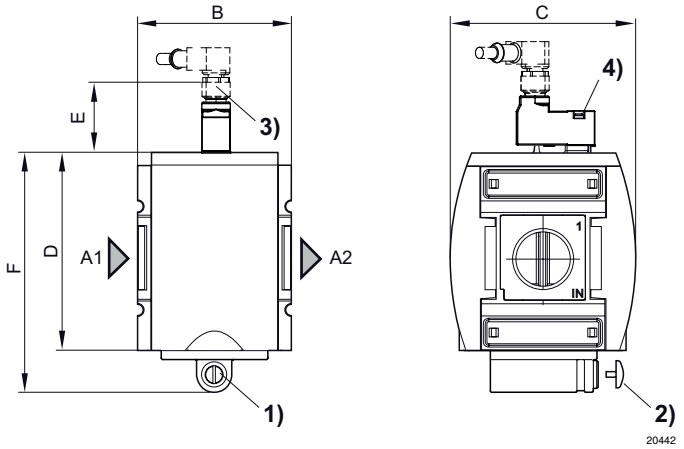


p1 = working pressure
p2 = output pressure
t = adjustable filling time
1) Switching point
2) adjustable filling time and change-over pressure

Filling unit, pneumatically operated, Series AS2-SSV

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

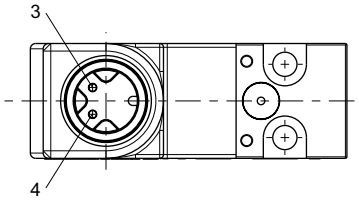
Dimensions



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

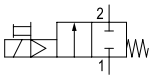
► G 3/8 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C

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.

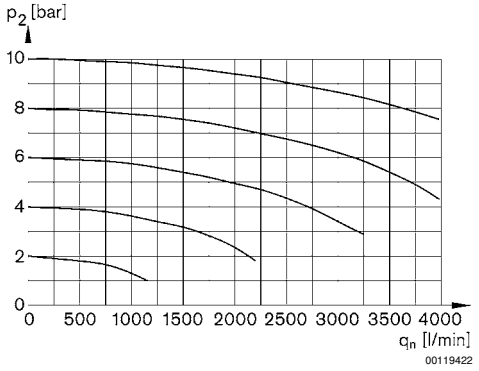
Operating voltage	Power consumption
DC	DC
	W
24 V	2

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

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

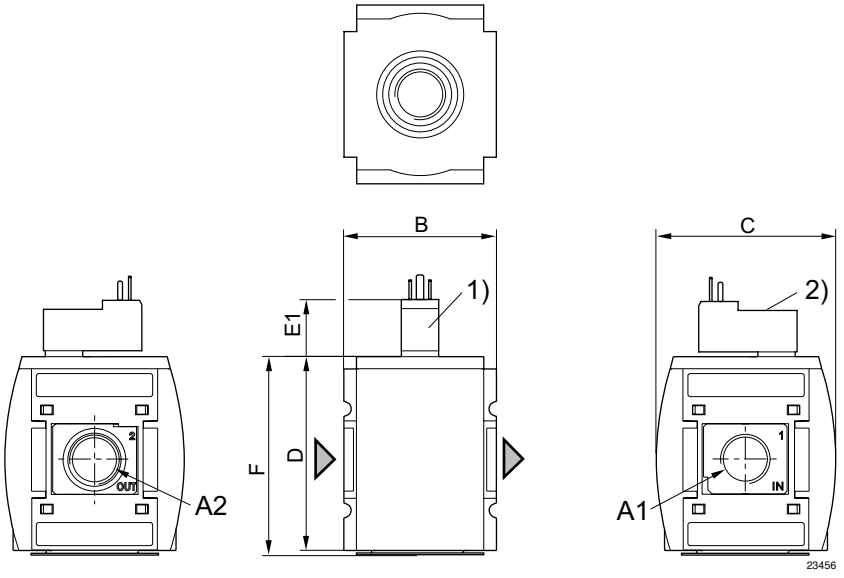
► G 3/8 ► pipe connection ► Electr. connection: Plug, ISO 15217, form C

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

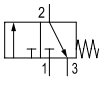
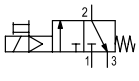
IM0046156

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

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

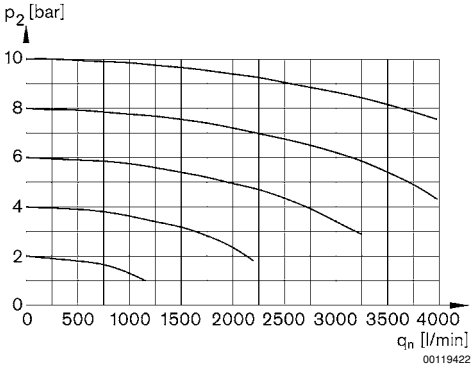
3/2-directional valve, electrically operated, Series AS2-SOV

► 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								Fig. 1	1); 2)
R412006258								Fig. 2	1); 3)
R412006259								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)

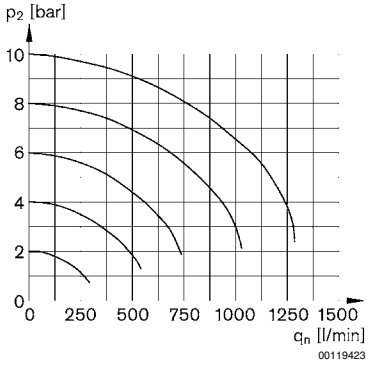
1) Suitable for use in Ex zones 1, 2, 21, 22
2) Basic valve without pilot valve
3) Basic valve without pilot valve, with CNOMO subbase
4) Basic valve with pilot valve
5) Protected against polarity reversal
6) Connector standard: ISO 15217
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

Rear exhaust

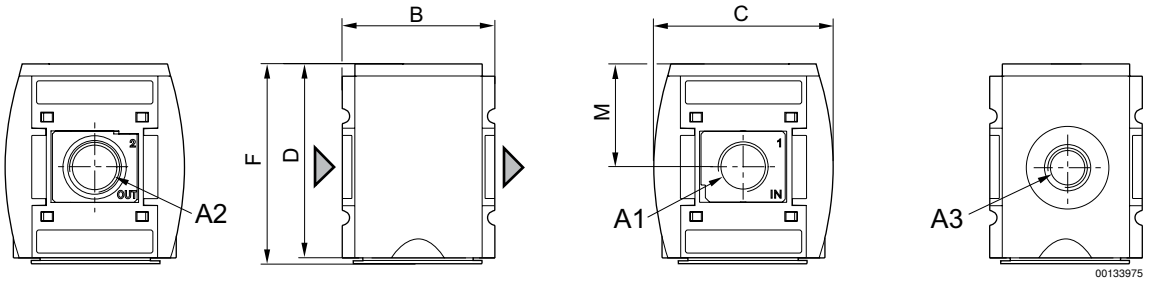


p2 = secondary pressure
qn = nominal flow

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



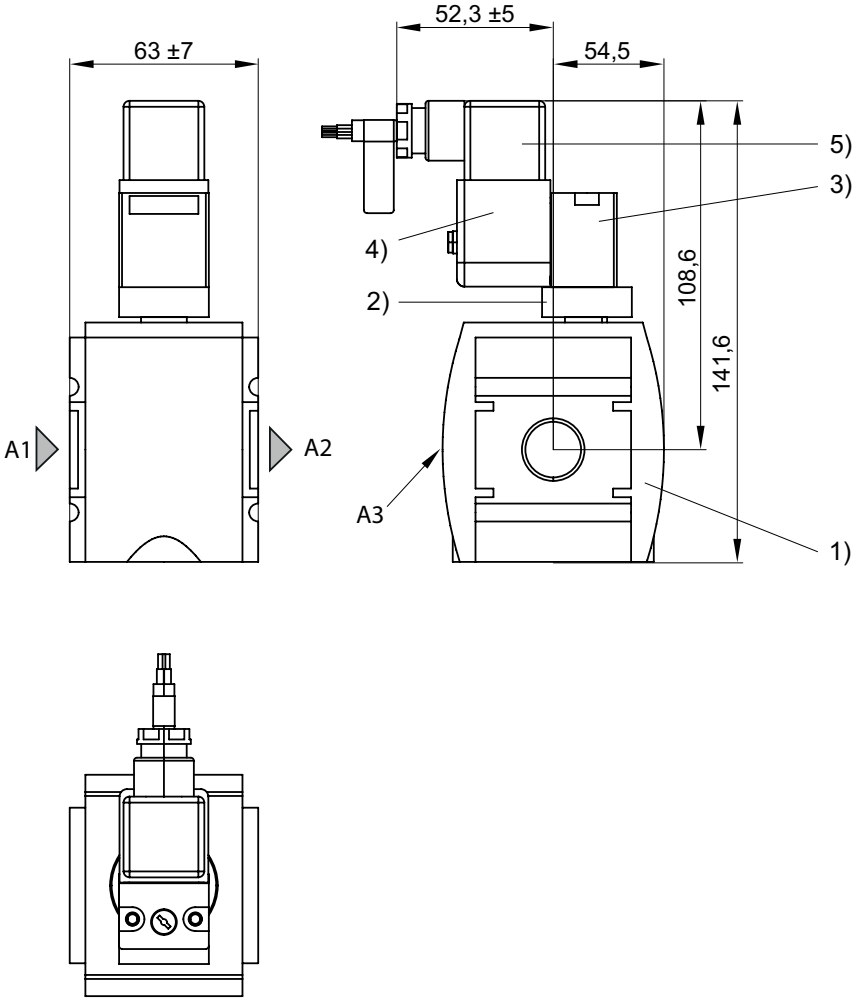
A1 = input
A2 = output
A3 = ventilation port

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						

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

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

Fig. 2: 3/2 directional valve with transition plate (suitable for ATEX)

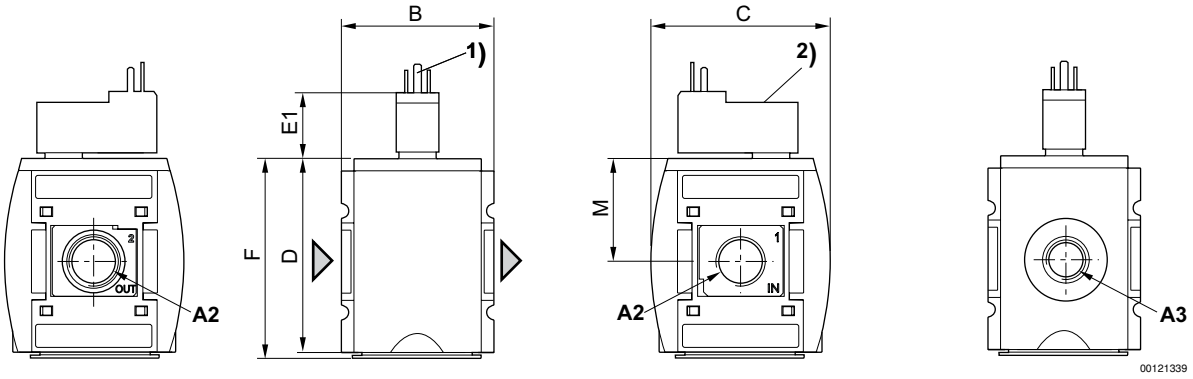


A1 = input
A2 = output
A3 = ventilation port
1) Shut-off valve
2) Transition plate
3) Pilot valve
4) Coil
5) Electrical connector
See accessories for pilot valve and coil

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

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

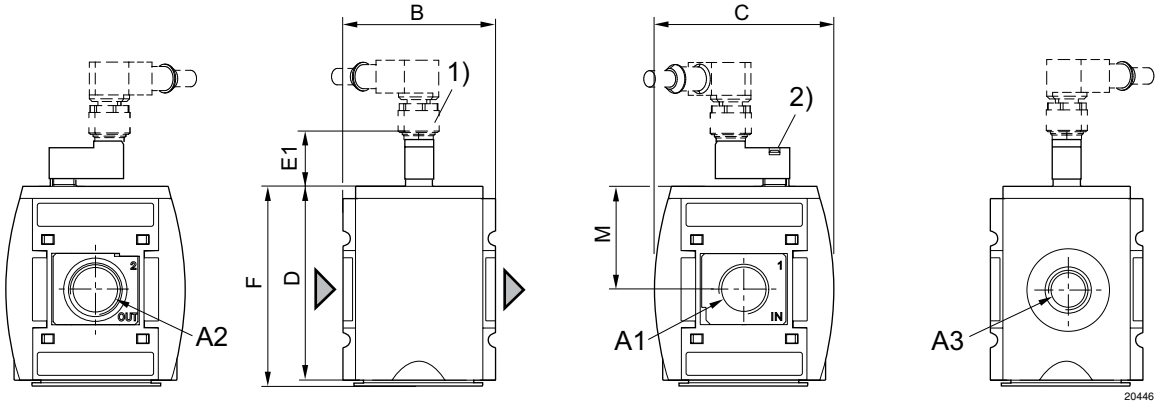
Fig. 3: 3/2-directional valve with pilot valve and port for electrical connector form C



A1 = input
A2 = output
A3 = ventilation port
1) For electrical connector according to ISO 15217 (form C)
2) Manual override

A1	A2	A3	B	C	D	F	M						
G 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



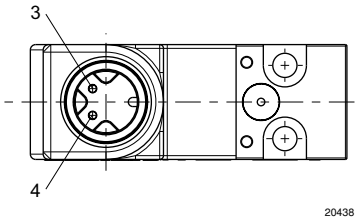
A1 = input
A2 = output
A3 = ventilation port
1) plug M12
2) Manual override

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



3: +/-
4: +/-

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

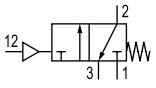
► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

00119377

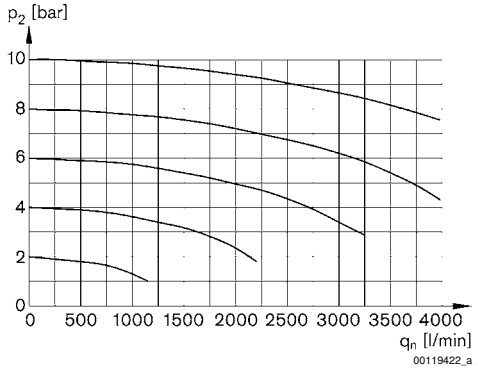
Version	Poppet valve, Can be assembled into blocks
Working pressure min./max.	0 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Sealing principle	Soft sealing
Control pressure min./max.	3 bar / 16 bar
Materials:	
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

	Pilot connection	Port	Exhaust	Qn			Weight	Part No.
					1►2	2►3		
						[l/min]	[kg]	
	G 1/8	G 1/4 G 3/8	G 1/4	2000	2000	380	0.219	**R412006262** **R412006263**
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar								

Flow rate characteristic

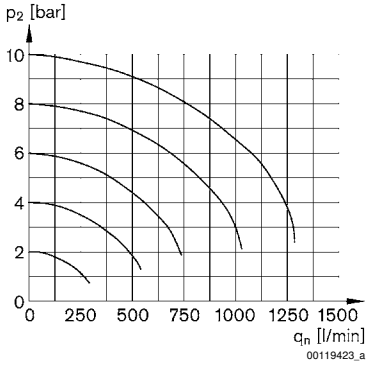


p2 = secondary pressure
qn = nominal flow

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

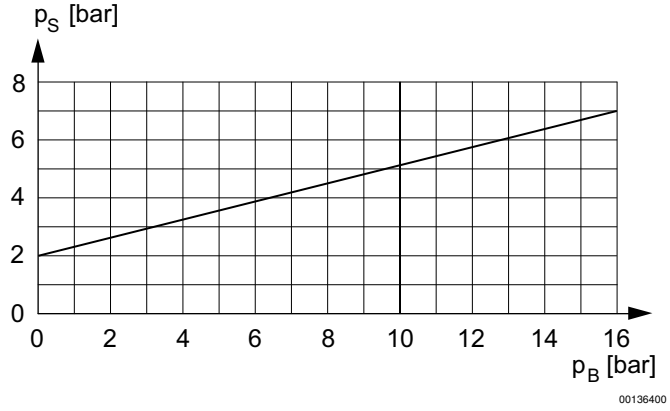
► G 1/4 - G 3/8 ► pipe connection ► suitable for ATEX

Rear exhaust



p2 = secondary pressure
qn = nominal flow

control pressure characteristic

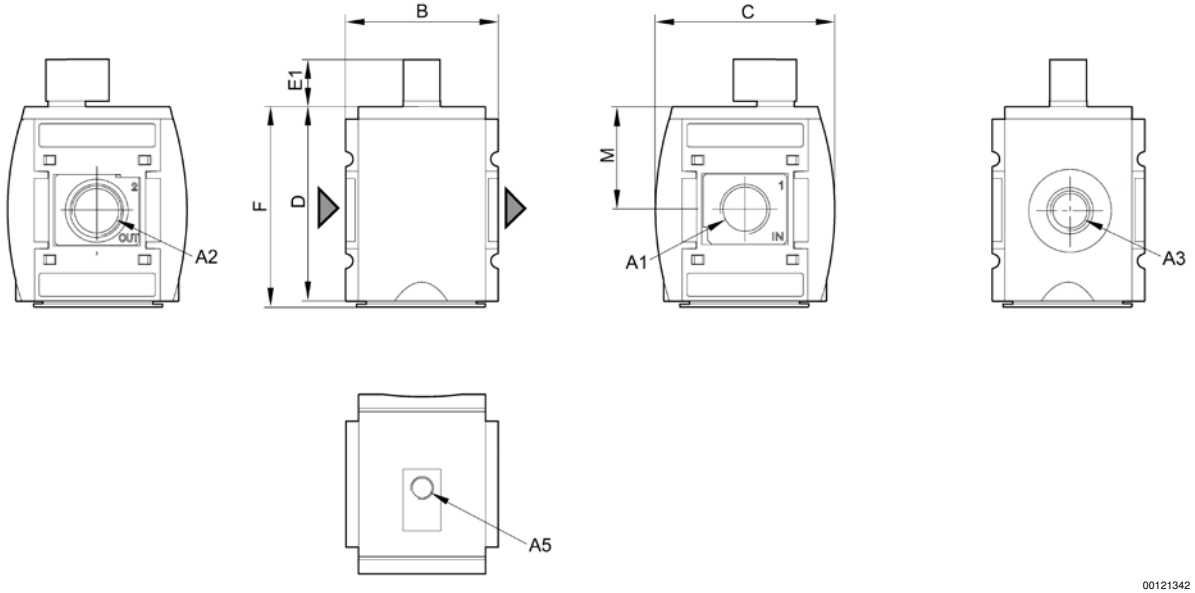


minimum pilot pressure depending on working pressure
PS = control pressure
P_B = Working pressure

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

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

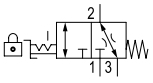
► G 1/4 - G 3/8 ► suitable for ATEX

00119374

Version	Poppet valve, Can be assembled into blocks for padlocks lockable
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
Actuating element+	rotary switch
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
Actuating element+	Polyoxymethylene

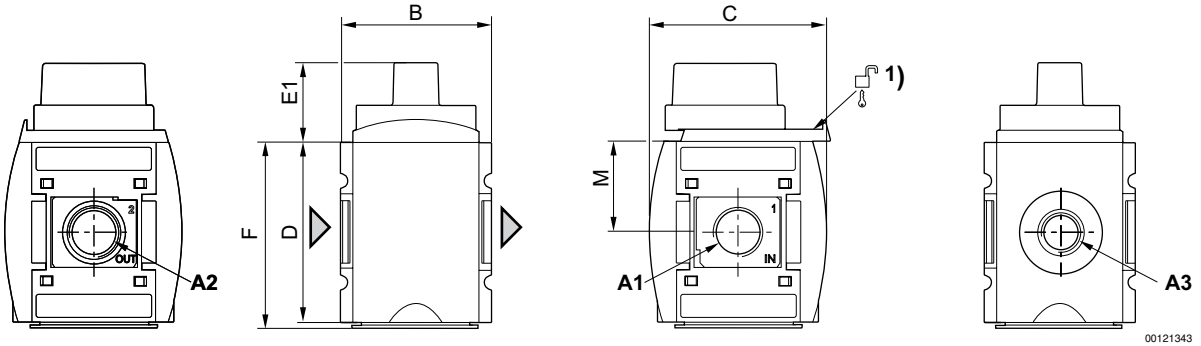
Technical Remarks

- 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 1/4	2000	380	0.206	1)	**R412006260**
	G 3/8					1)	**R412006261**
	G 1/4					2)	**R412006256**
	G 3/8					2)	**R412006257**

1) Locking base: Polyoxymethylene
2) Locking base: Steel
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Dimensions



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

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	Can be assembled into blocks
Mounting orientation	Any
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
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	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

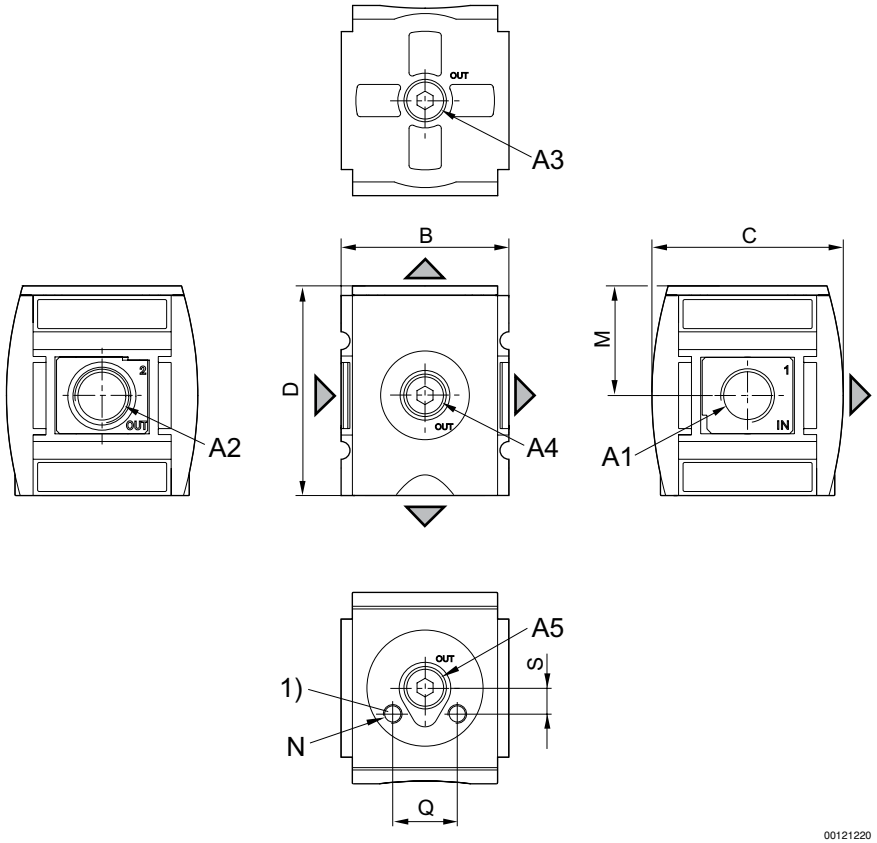
	Port	Qn				Weight	Part No.
		1►2	1►3	1►4	1►5		
		[l/min]				[kg]	
	G 1/4	2700	2000	900	2000	0.25	**R412006250**
	G 3/8	3600					**R412006251**

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



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

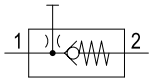
► G 1/4 - G 3/8 ► Distributor 1x ► Non-return valve ► suitable for ATEX

00134315

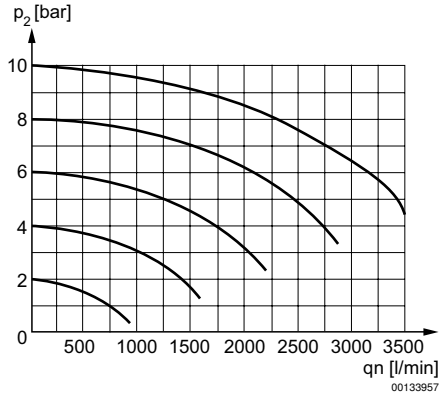
Version	Non-return valve, Can be assembled into blocks
Mounting orientation	Any
Working pressure min./max.	0.4 bar / 16 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10°C / +50°C
Ambient temperature min./max.	-10°C / +50°C
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

Technical Remarks

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

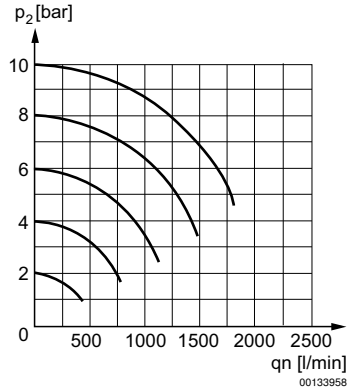
	Port	Qn		Weight	Part No.
		1►2	1►6		
		[l/min]		[kg]	
	G 1/4	1250	700	0.25	R412006254
	G 3/8				R412006255
Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar					

Flow rate characteristic



00133957

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



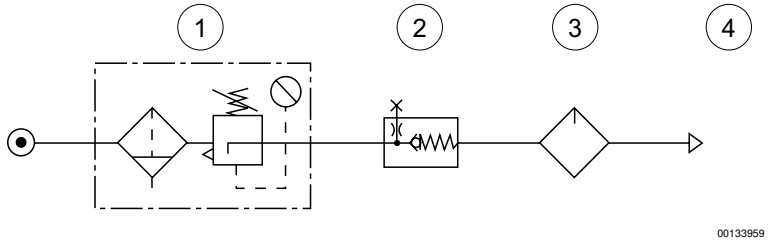
00133958

Nominal flow 1 ► 3
p2 = secondary pressure
qn = nominal flow

Distributor, Series AS2-DIN

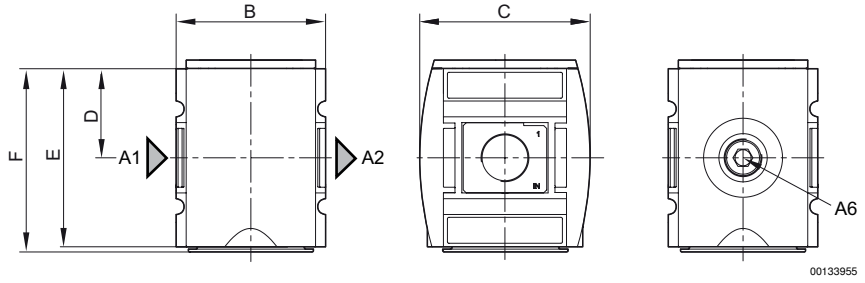
► G 1/4 - G 3/8 ► Distributor 1x ► Non-return valve ► suitable for ATEX

usage



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

Dimensions



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	Center infeed, Can be assembled into blocks
Mounting orientation	Any
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
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc

Technical Remarks

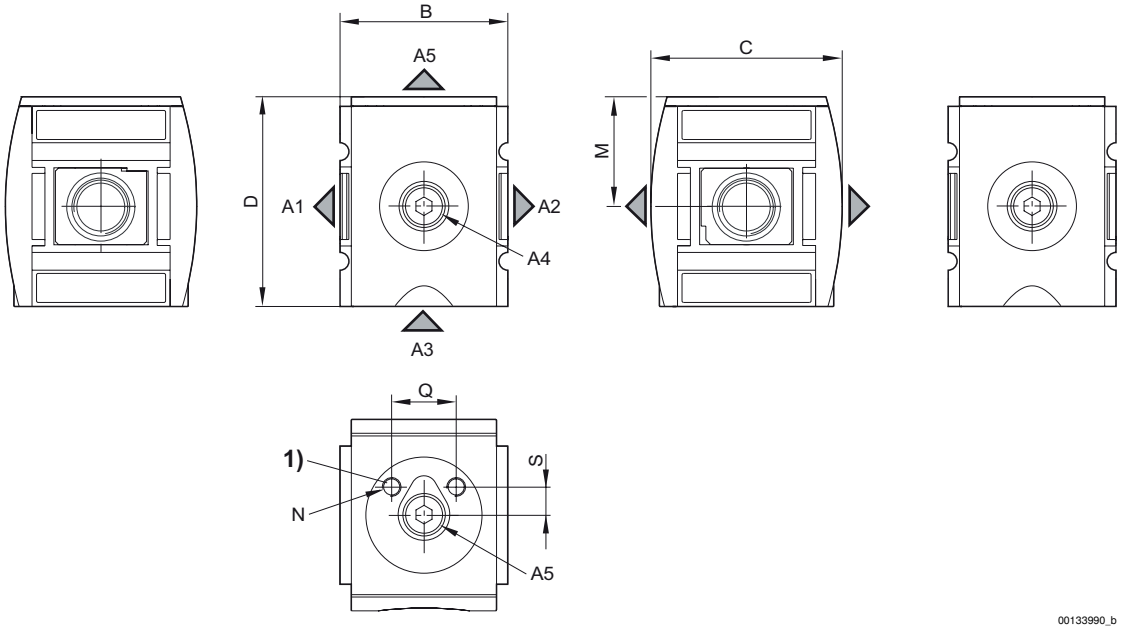
- Suitable for direct mounting of a PE1 and PM1 series pressure sensor (flange version)
- Additional air supply possible at connections A4 and A5.
- Suitable for use in Ex zones 1, 2, 21, 22

	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



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

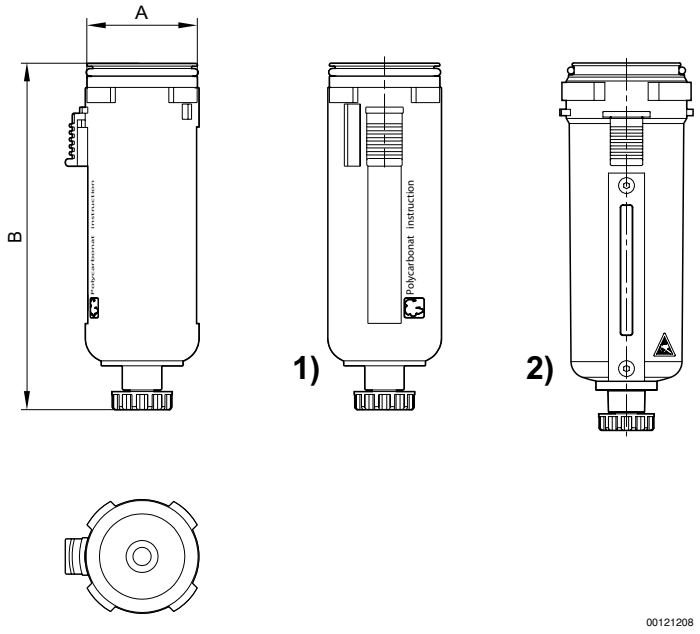

00119625

Version	Reservoir
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	16 bar
Medium	Compressed air Compressed air
Filter reservoir volume	28 cm³
Materials:	
Seal	Acrylonitrile butadiene rubber

Condensate drain	Reservoir	Protective guard	Weight [kg]	Fig.	Part No.
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

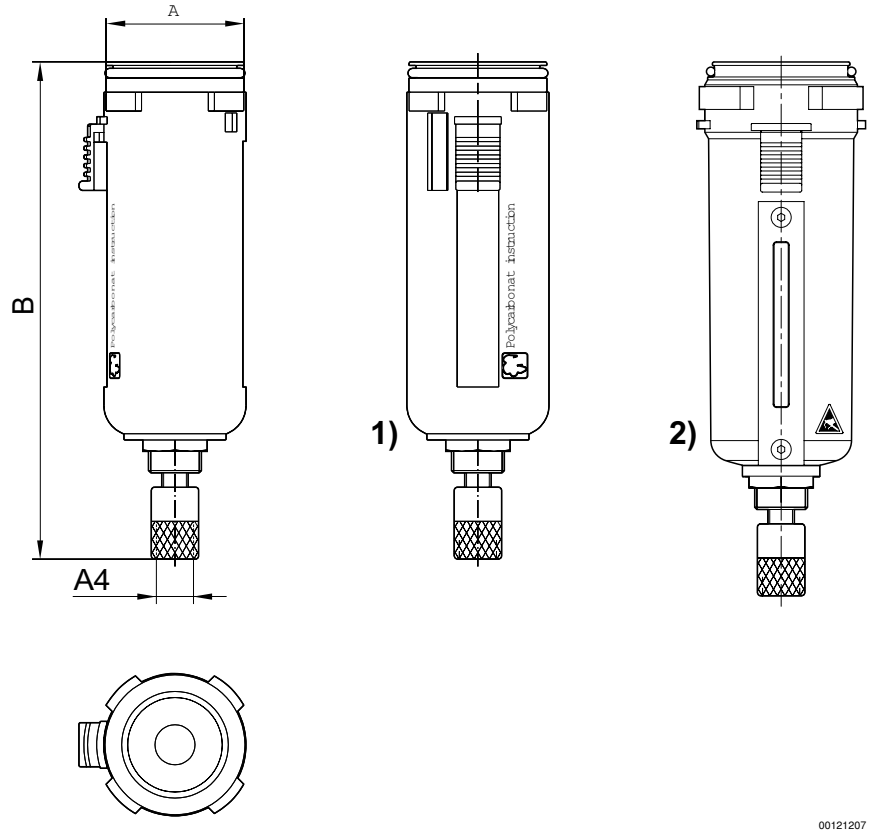


1) Plastic reservoir and protective guard with window
2) Metal reservoir with inspection glass

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

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									

Series AS2
Accessories

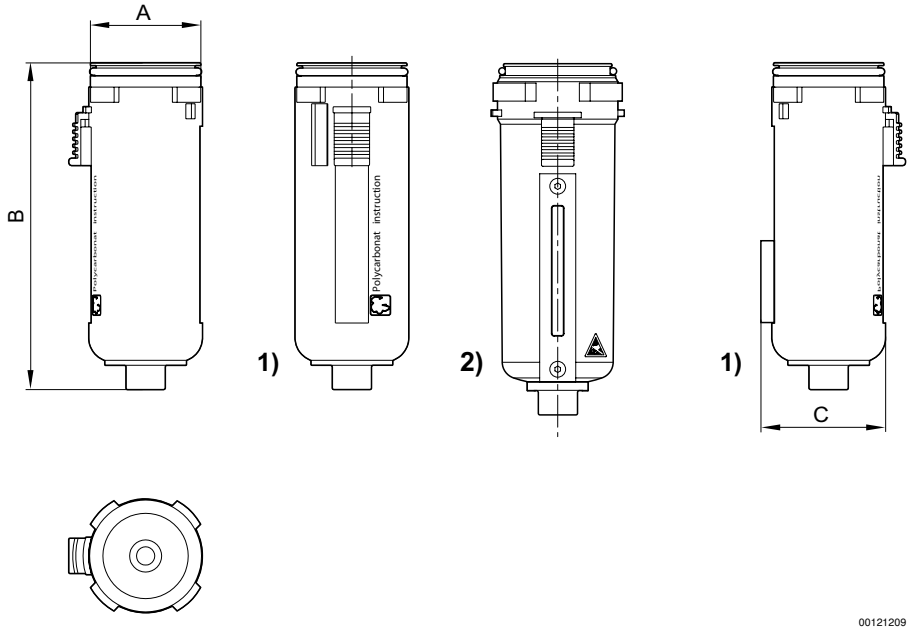
Reservoir, Series AS2-CLA
► for active carbon filter ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX

00127790

Version	Reservoir
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	0 bar - 16 bar
Medium	Compressed air Compressed air
Filter reservoir volume	28 cm³
Materials:	
Seal	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

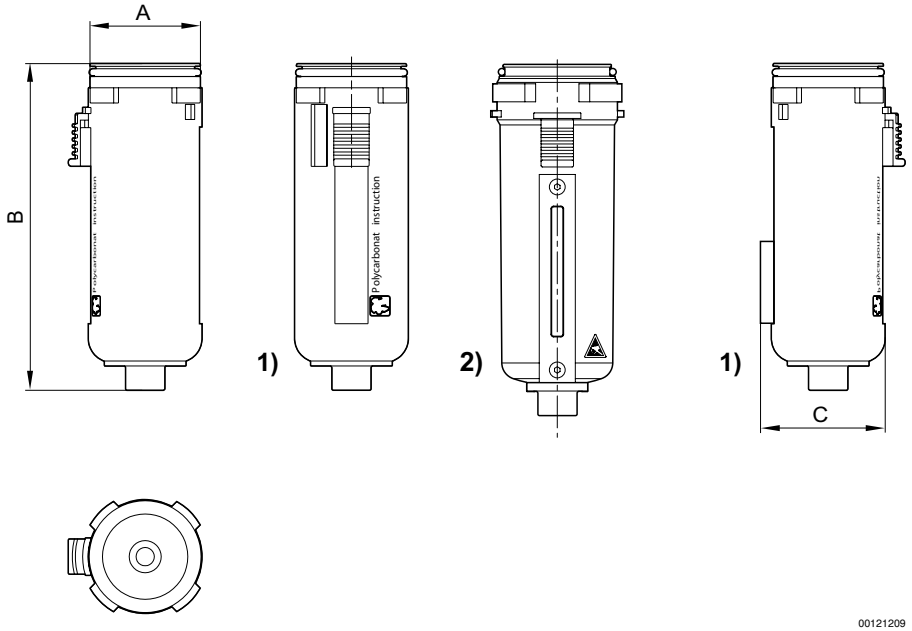
Reservoir, Series AS2-CBS
► for lubricator ► Material: Polycarbonate, Die cast zinc ► with window ► suitable for ATEX

00127790

Version	Reservoir
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Working pressure min./max.	0 bar - 16 bar
Medium	Compressed air Oil
Lubricator reservoir volume	40 cm³
Materials:	
Seal	Acrylonitrile butadiene rubber

Electrical level detection	Reservoir	Protective guard	Weight	Part No.
			[kg]	
-	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	—									

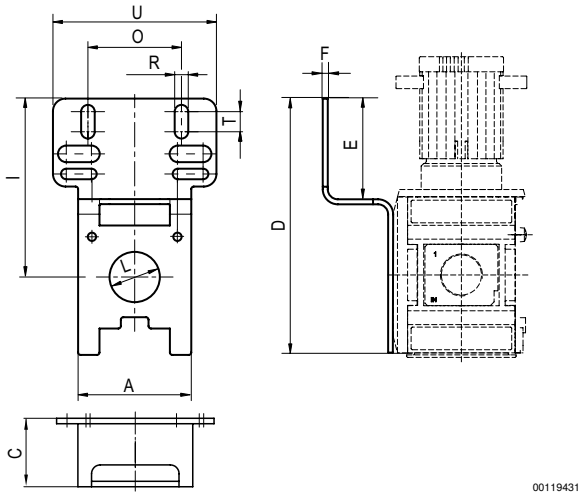
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Series AS2
Accessories

Part No.	A	B	C									
R412006351	37.6	108.5	42.5									

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

00119467



00119431

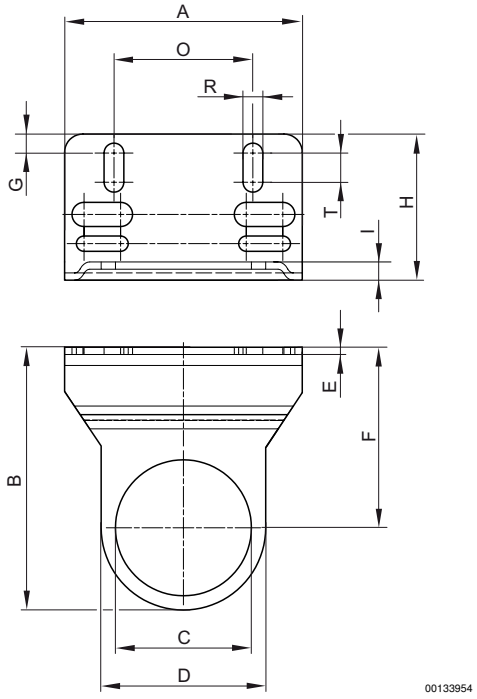
Part No.	A	C	D	E	F	I	L	O	R	T	U
R412006368	45	28	102	40	2.5	71	20	38	5.4	8	65

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

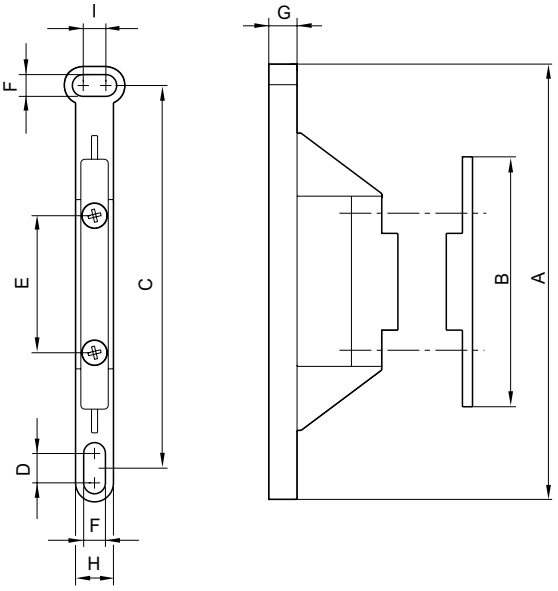
Part No.	A	B	C	D	E	F	G	H	I	O	R	T
R412007963	65	72	37.2	45	2	53.4	5.2	35	5	38	5.4	8

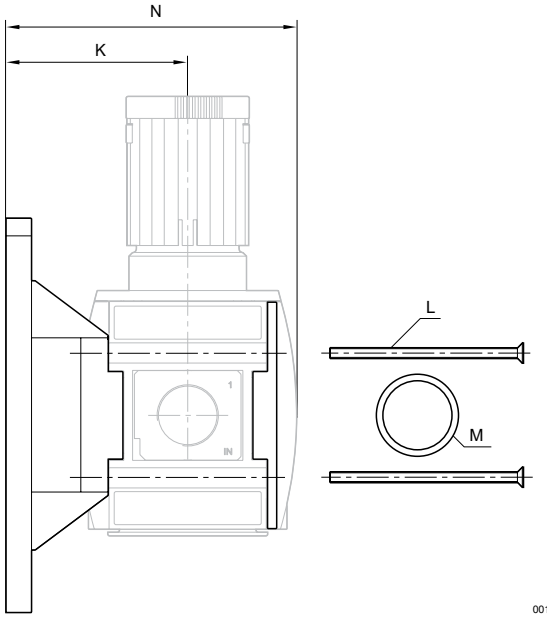
Part No.	Material	Surface	Weight [kg]	Ambient temperature min./ max. [°C]				
R412007963	Steel	galvanized	0.065	-10 / +50				

Series AS2
Accessories

Mounting clip, Series AS2-MBR-...-W03
► **suitable for ATEX**

00119388





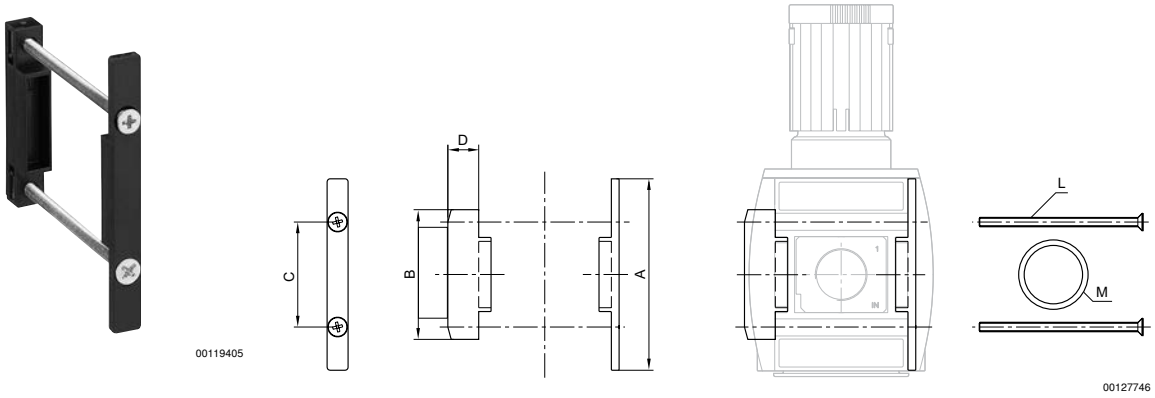
00127750

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**



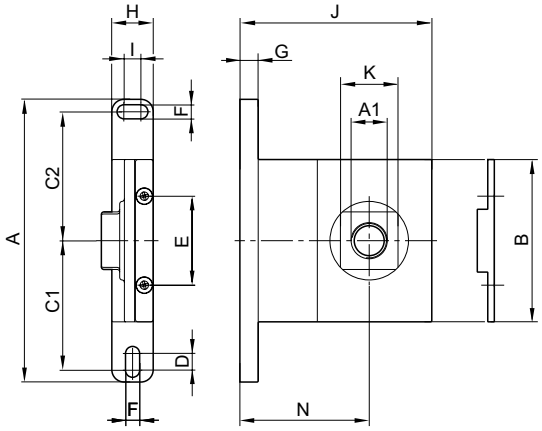
Part No.	A	B	C	D	L	M	Material	Material Seal
R412006371	62	42	34	6	M3x53	19x1,8	Polyamide	Acrylonitrile butadiene rubber

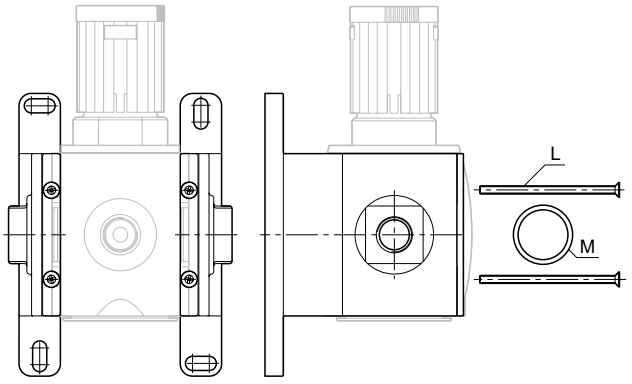
Part No.	Weight [kg]	Ambient temperature min./ max. [°C]									
R412006371	0.01	-10 / +50									
Scope of delivery incl. 2 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 1x O-ring Suitable for use in Ex zones 1, 2, 21, 22											

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

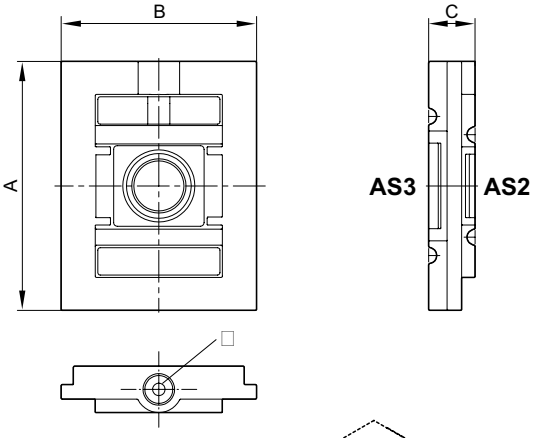
Part No.	Weight [kg]	Ambient temperature min./ max. [°C]									
R412006366	0.475	-10 / +50									
R412006367	0.475	-10 / +50									

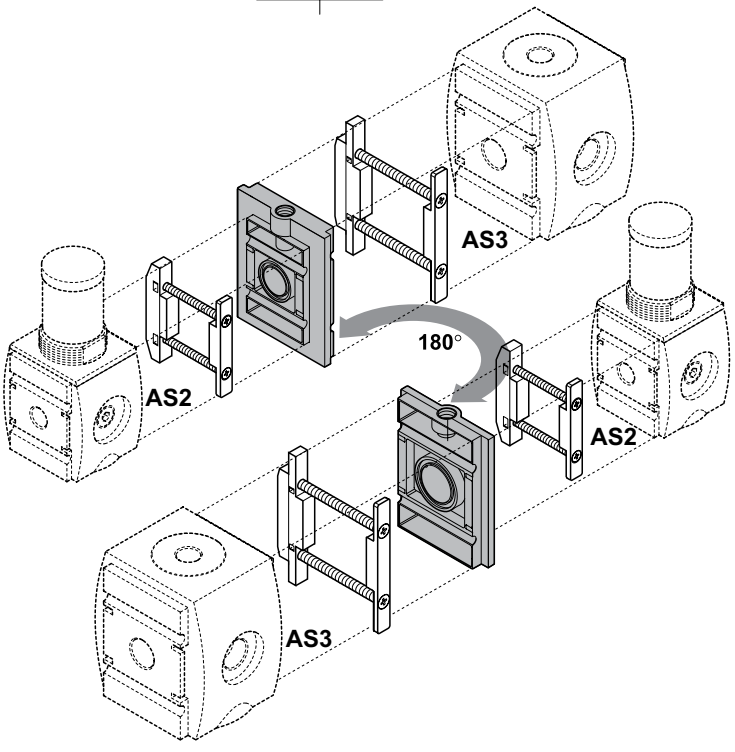
Scope of delivery incl. 4 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 2x O-ring

Series AS2
Accessories

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

00134004





00134003

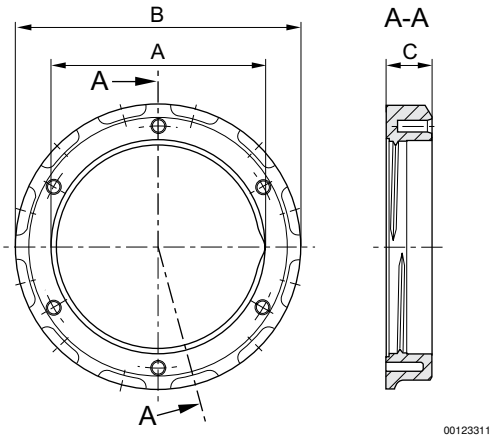
scope of delivery incl. seal

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

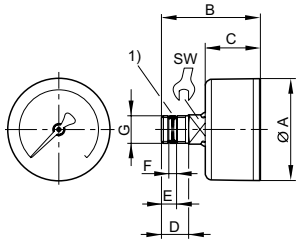
Version	Bourdon tube pressure gauge
Standardization	EN 837-1
Main scale unit (outside)	bar
Secondary scale unit (inside)	psi
Ambient temperature min./max.	-40 °C / +60 °C
Medium	Compressed air
Pointer color	White
Main scale color (outside)	White
Secondary scale color (inside)	Grey
Class	2,5
Materials:	
Housing	Acrylonitrile butadiene styrene
Thread	Brass
Viewing window	Polystyrene
Seal	Polytetrafluorethylene

Series AS2
Accessories

	Compressed air connection	Nominal diameter	Range of application	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



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

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

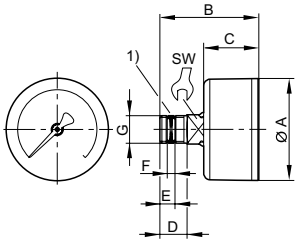
00131412

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				

Series AS2
Accessories

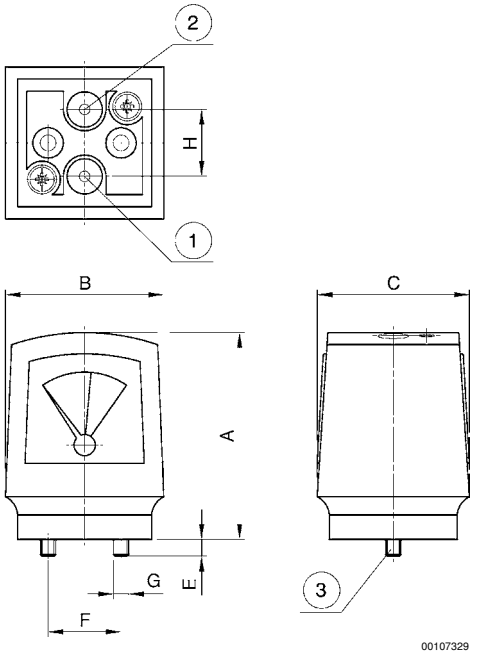
Pressure gauge, Series PG1-DIM
► for differential pressure measurement for prefilters and microfilters ► flange version ► Background color: White ► Scale color: Black ► Viewing window: Polystyrene ► Units: bar ► suitable for ATEX

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 application	Display range	Operating pressure	Scale value	Weight	Part No.
	[bar]	[bar]	[bar]		[kg]	
	0 - 0.5	0 - 0.5	0 / 16	0.1	0.127	**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

Series AS2
Accessories

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

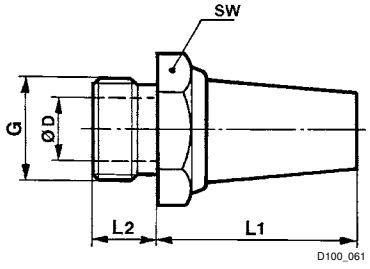
Silencers, Series SI1
► Sintered bronze

P100_060

Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-25 °C / +80 °C
Medium	Compressed air
Materials:	
Silencers	Sintered bronze
Thread	Brass

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

Dimensions



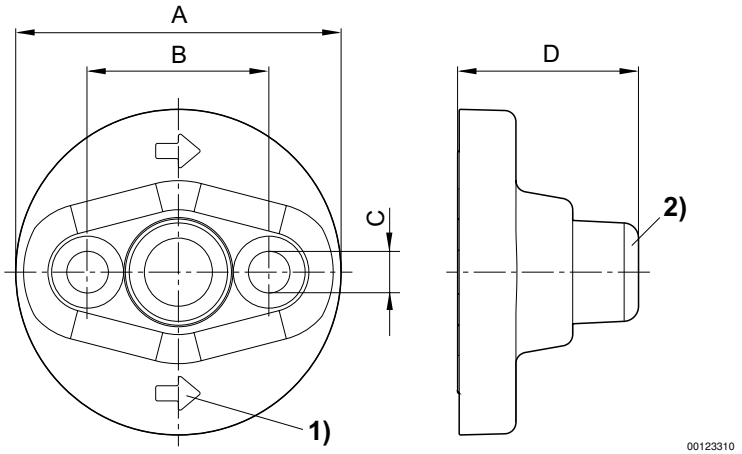
D100_061

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



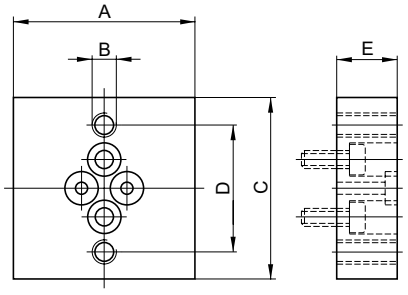
00123310

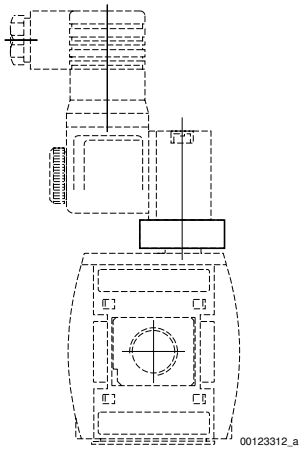
1) Flow direction
2) Display in initial state: green (= Δp < 0.35 bar)
Display turns red on contamination of the filter element (= Δp ≥ 0.35 bar).

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

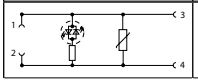
Part No.	A	B	C	D	E	Material	Weight [kg]				
R412006360	30	M4	30	21	10	Aluminum	0.025				
Scope of delivery incl. 4 mounting screws, 2 O-rings Adapter plate for assembling a series DO30 pilot valve with CNOMO porting configuration on a 3/2-way shut-off valve without pilot											

Series AS2
Accessories

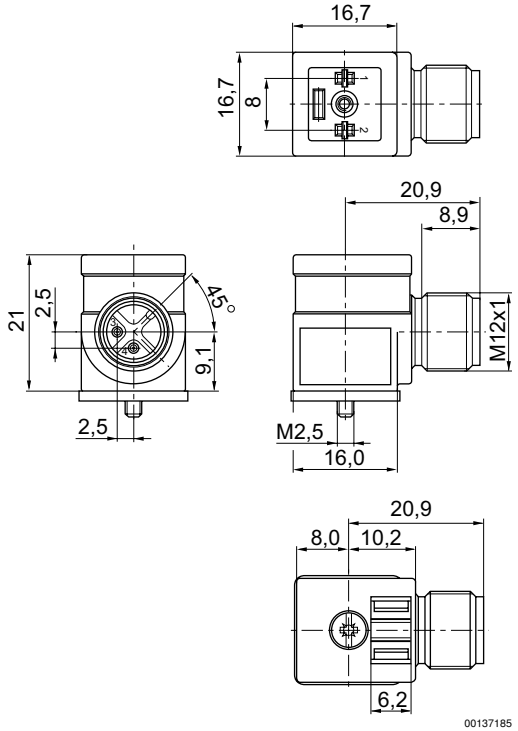
Adapter, Series CN1
► Form C, ISO 15217/M 12

00137187

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

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

Dimensions

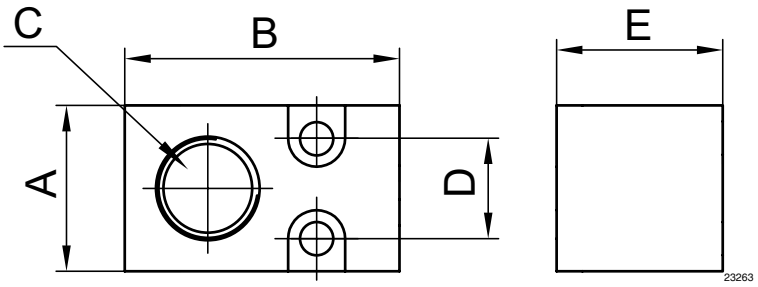


00137185

Series AS2
Accessories

Adapter, Series AS2

11756



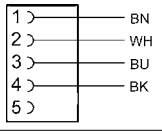
Part No.	A	B	C	D	E	Material	Weight [kg]				
R412006359	16	26,5	G 1/8	9.7	16	Aluminum	0.019				
Delivery incl. 2 mounting screws M3x20, Flat gasket											

Connecting cable, Series CN2
► Socket, M12x1, 5-pin, A-coded, angled ► without wire end ferrule, tin-plated, 4-pin ► for CANopen, DeviceNet

00107009_c

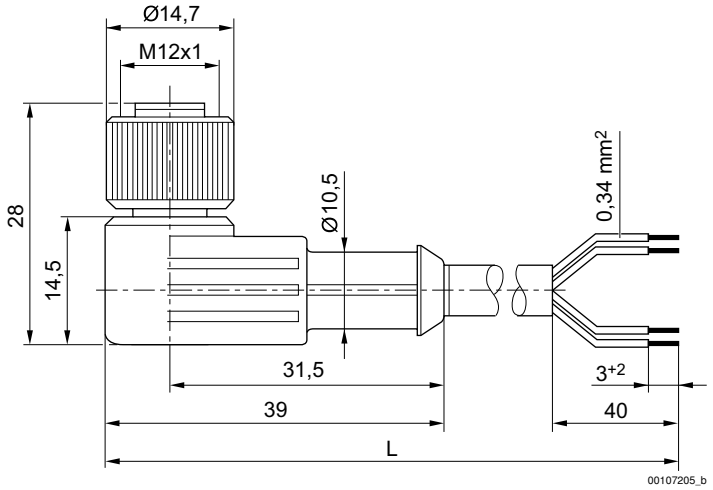
Ambient temperature min./max.	-40°C / +85°C
Protection class	IP65
Materials:	
Cable sheath	Polyurethane

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]	[A]		[mm²]	[m]	[kg]	
	48	4	4	0.34	3	0.13	**1834484259**
					5	0.202	**1834484260**
					10	0.387	**1834484261**

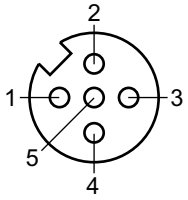
Series AS2
Accessories

Dimensions



L = length

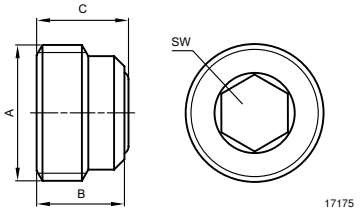
Pin assignment



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

plugs


18417



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

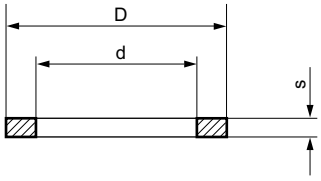
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

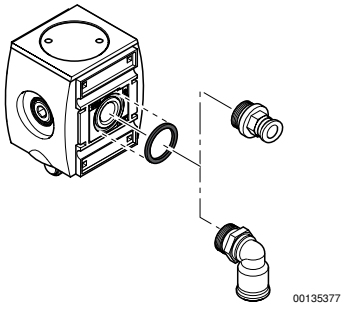
Series AS2
Accessories

Part No.	Material Seal	Order quantity [Piece]									
R412010124	Acrylonitrile butadiene rubber	10									

Sealing ring
► **Acrylonitrile butadiene styrene**

00127841





00135377

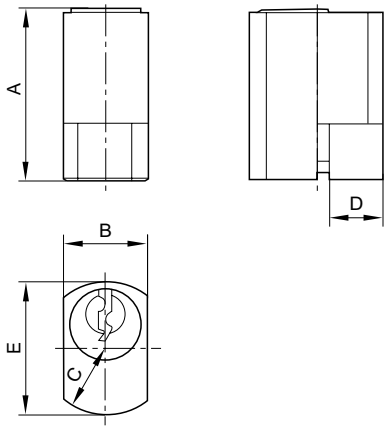
Part No.	usage Series	Type	d	D	s	Delivery quantity [Piece]	Working pressure min./max. [bar]
R412010148	AS2	For compressed air connection G 3/8	17.9	22.5	1.5	10	-0.95 / 16
R412010149	AS3	For compressed air connection G 1/2	22.4	26.4	1.5	10	-0.95 / 16
R412010150	AS5	For compressed air connection G 1	36.9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

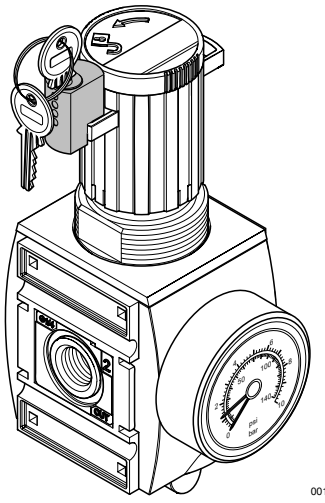
Part No.	Ambient temperature min./ max. [°C]										
R412010148	-10 / +60										
R412010149	-10 / +60										
R412010150	-10 / +60										
For inserting into the O-ring groove when using series QR1 and QR2 fittings.											

Series AS2
Accessories

mortise lock
► for Series AS2, AS3, AS5

00135465





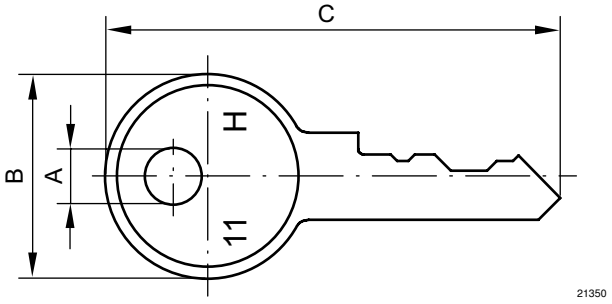
00134002

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

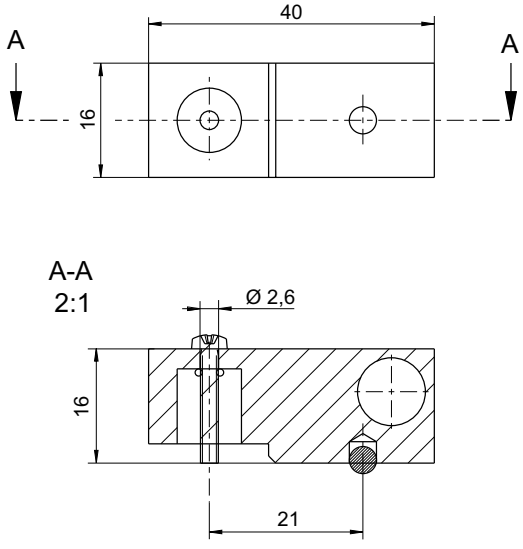


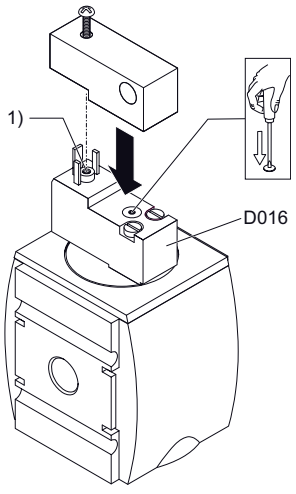
21350

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





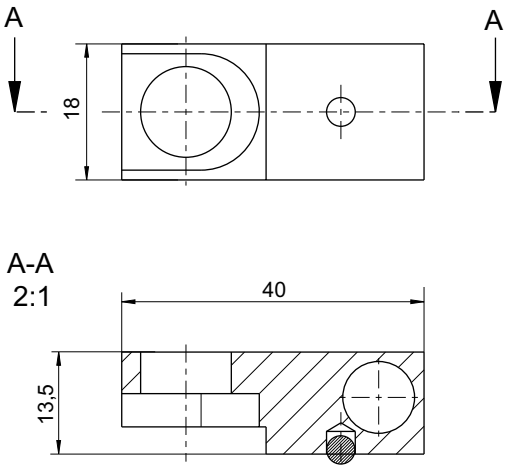
00015809_a

1) ISO 15217, form C

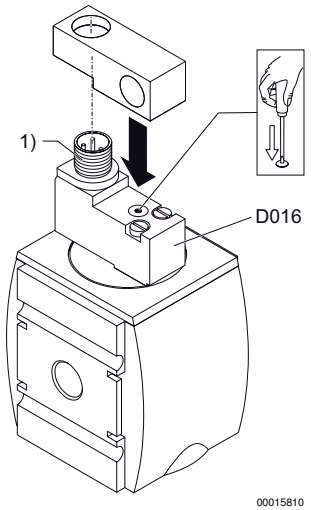
Part No.	Material											
R412019278	Aluminum											
Scope of delivery incl. 1 mounting screw, 1 O-ring												

Series AS2
Accessories

Mounting aid
► Assembly aid for permanent actuation of manual override (“press”) on pilot valve DO16 with electrical connection M12x1.



00015812



00015810

1) 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 % (according to DIN 1343)
Protection class	IP65
Materials:	
Housing	Aluminum; Polyamide
Front plate	Acrylonitrile butadiene styrene

Technical Remarks

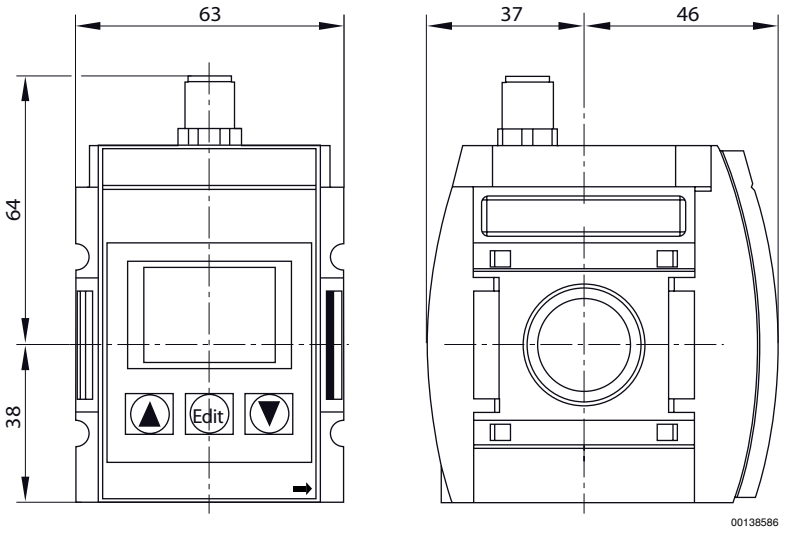
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The protection class is only ensured when the plug is mounted properly. For detailed information, see operating instructions.
- The device is designed to be installed in AS series maintenance 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**

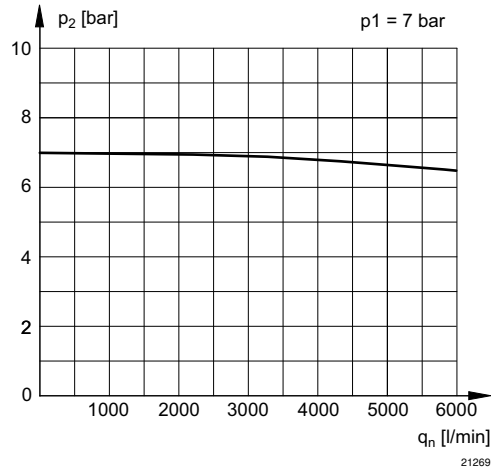
Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Series AS2
Accessories

Dimensions



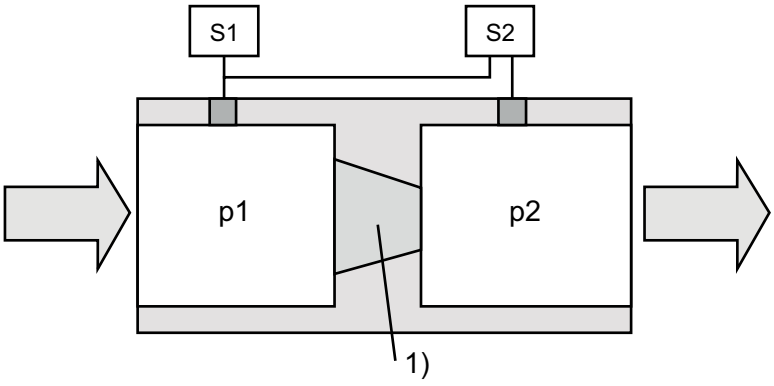
Flow diagram



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

Series AS2
Accessories

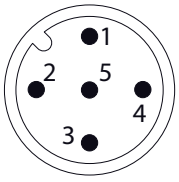
Functional diagram



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

Coil, Series CO1
► Cable with connector ► Coil width 30 mm ► ATEX certified

00115846

ATEX	II 2G Ex mb IIC T4 Gb II 2D Ex mb tb IIIC T 130°C Db IP65
Ambient temperature min./max.	-20°C / +50°C
Protection class	IP65
Duty cycle ED	100 %
Compatibility index CI	14

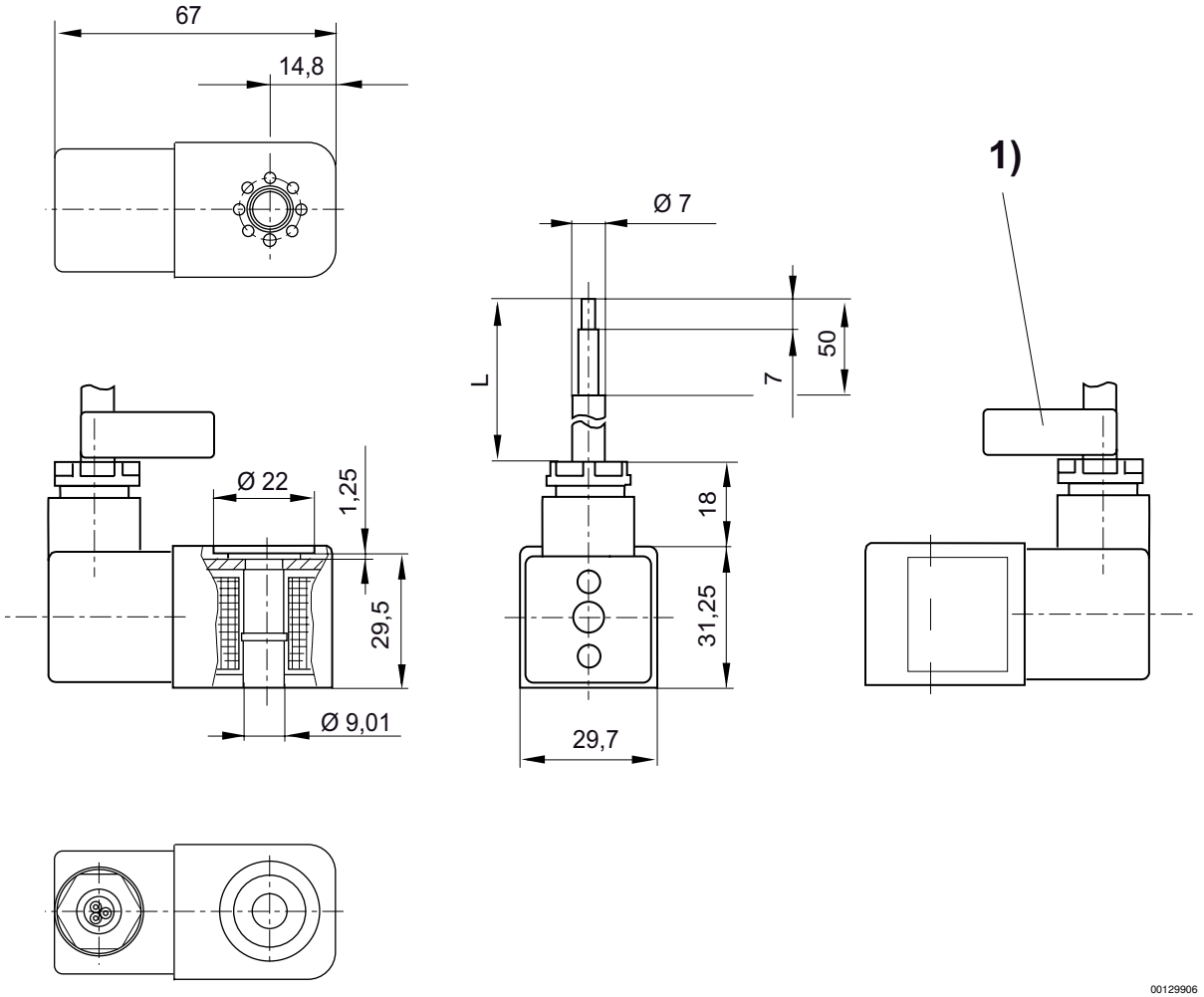
Series AS2
Accessories

Operational voltage			Voltage tolerance		Power consumption	Switch-on power	Holding power
DC	AC 50 Hz	AC 60 Hz	DC	AC 50 Hz	DC	AC 50 Hz	AC 50 Hz
					W	VA	VA
-	230 V	230 V	-	-10% / +10%	-	3.1	3
-	110 V	110 V	-	-10% / +10%	-	3	2.9
24 V	-	-	-10% / +10%	-	3.25	-	-

	Operational voltage			Cable length L	Weight	Part No.
	AC 50 Hz	DC	AC 60 Hz			
				[m]	[kg]	
	230 V	-	230 V	3	0.38	**1827414297**
	230 V	-	230 V	10	0.91	**1827414298**
	110 V	-	110 V	3	0.38	**1827414299**
	-	24 V	-	3	0.38	**1827414303**
	-	24 V	-	10	0.91	**1827414304**

Series AS2
Accessories

Dimensions



L = cable length
1) Cable ID band with serial number

Series AS2
Accessories

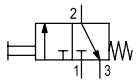
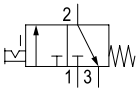
3/2-directional valve, Series DO30
► Qn = 65 - 90 l/min ► Pilot valve width: 30 mm ► Plate valve with pipe connection ► Compressed air connection output: CNOMO ► Electr. connection: Plug, ISO 4400, form A ► Manual override: without detent, with detent ► suitable for ATEX

00110091

Standards	CNOMO / NFE 49-003-1
Version	Poppet valve
Sealing principle	Soft sealing
Mounting on manifold strip	P-strip
Working pressure min./max.	0 bar / 10 bar
Ambient temperature min./max.	-10 °C / +50 °C
Medium temperature min./max.	-10 °C / +50 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Nominal flow 1 ► 2	See table below
Nominal flow 2 ► 3	See table below
Protection class with connection	IP65
Duty cycle	100 %
Mounting screw	M4
Materials:	
Housing	Plastic
Seals	Fluorocaoutchouc

Technical Remarks

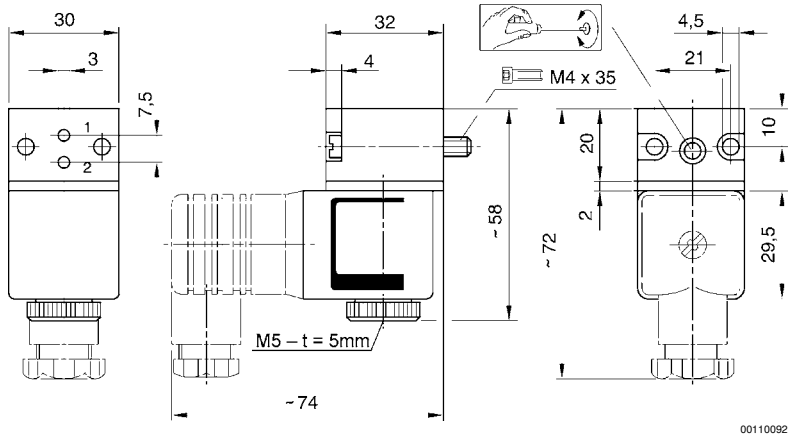
- The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

	MO	Compressed air connection			Flow rate value		Compatibility index	Weight	Note	Part No.
		Input	Output	Exhaust	Qn 1►2	Qn 2►3				
					[l/min]			[kg]		
		CNOMO	CNOMO	M5	68	90	15	0.06	1)	**0820019985**
		CNOMO	CNOMO	M5	65	80	15	0.06	1)	**0820019980**

MO = Manual override
1) pilot valve without coil
Basic valve without coil
Nominal flow Qn at 6 bar and Δp = 1 bar

Series AS2
Accessories

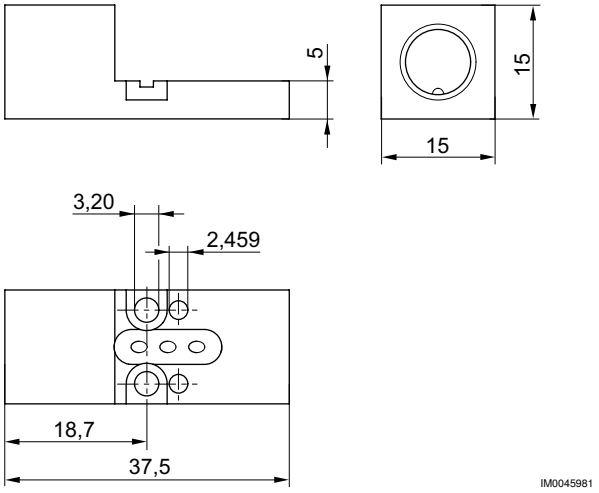
Dimensions



t = depth

Adapter for external pilot air
► !translate!

IM0046538



Part No.	Material	Weight [kg]										
R412025904	Aluminum	0.015										
Delivery incl. 1 seal plate, 1 screw 3x10, 1 screw DIN 84-M3x18												

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The data specified only serve to describe the product.
No statements concerning a certain condition or suitability for a certain application can be derived from our information.
The information given does not release the user from the obligation of own judgment and verification.
It must be remembered that the products are subject to a natural process of wear and aging.

05-04-2017