

AS1



AVENTICS™

AVENTICS Series AS1 Air
Preparation Units


EMERSON™

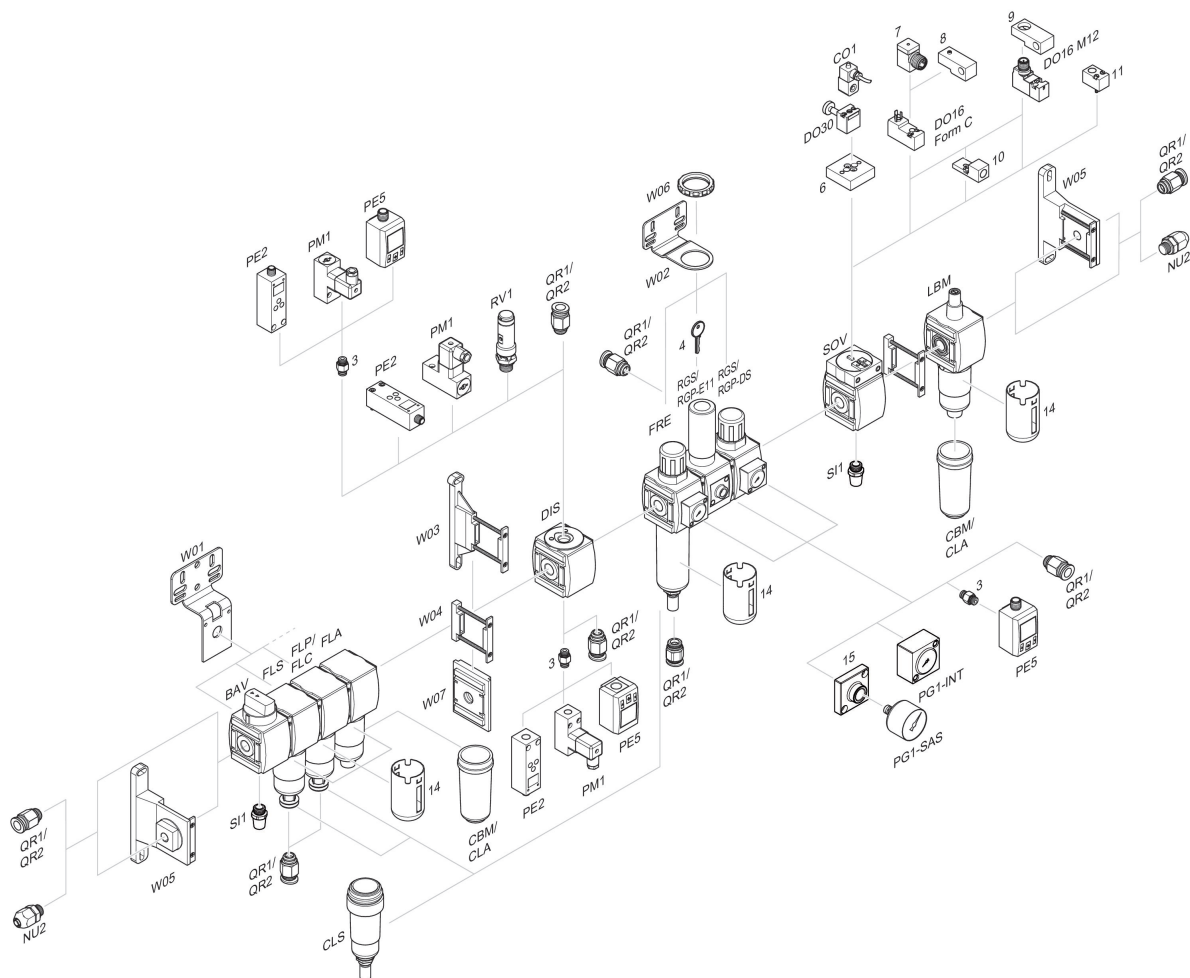
Series AS1

The AVENTICS Series AS1 is a modular, versatile maintenance unit for universal application. This Series offers compact dimensions, is highly efficient, lightweight and easy-to-use. The AVENTICS Series AS guarantees reliability, safety, and efficiency with a simplified assembly and maintenance efforts.

- Low weight



Accessories overview



Product overview

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Air preparation unit, 2-part, Series AS1-ACD

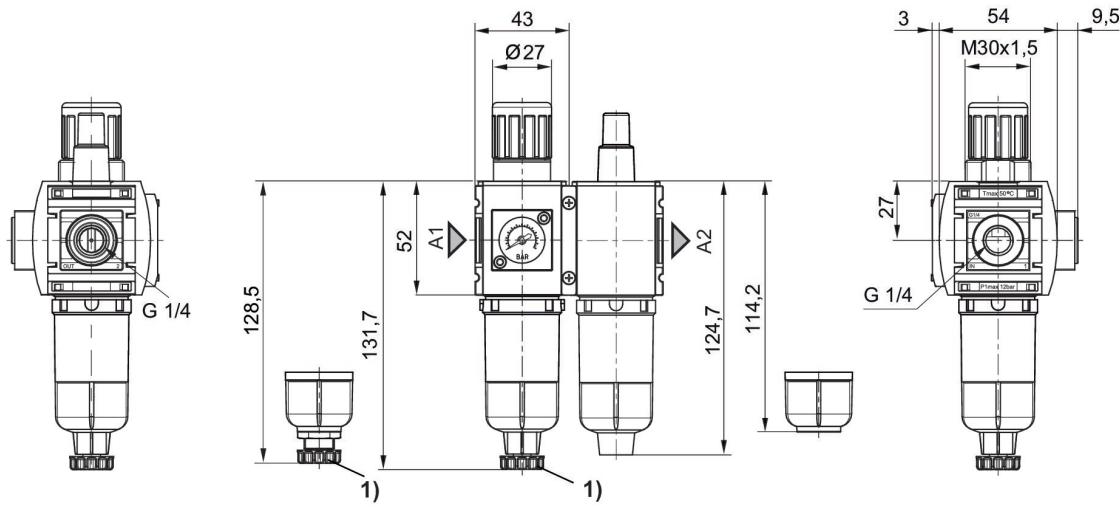
Condensate drain: semi-automatic, open without pressure
Parts: Air preparation units
Parts: Filter pressure regulator Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	700	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014672

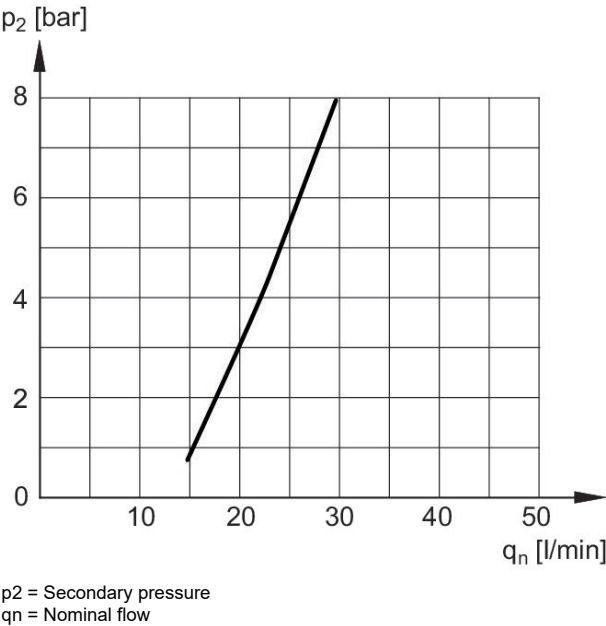
Protec- tive guard	Part No.
Polyamide	R412014672

Dimensions in mm

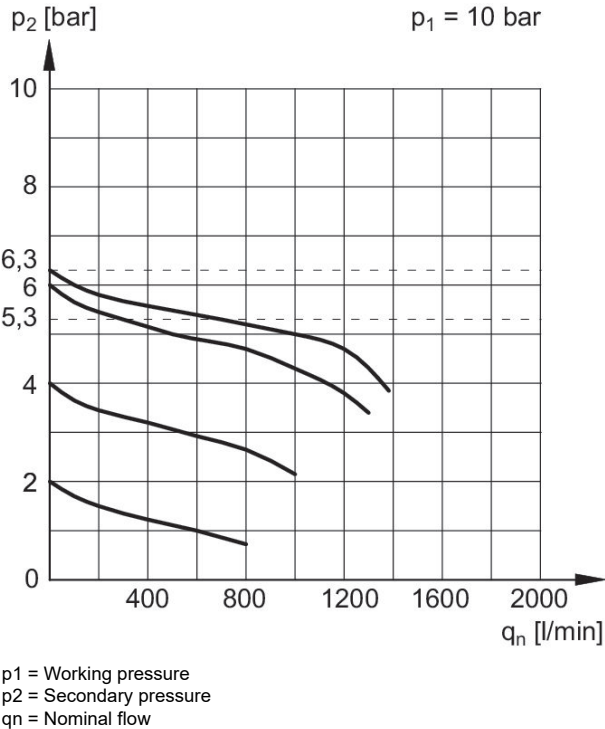


A1 = input
A2 = output
1) Semi-automatic condensate drain

Lubricator activation margin



Flow rate characteristic, $p_2 = 0,05 - 7$ bar



Air preparation unit, 2-part, Series AS1-ACD

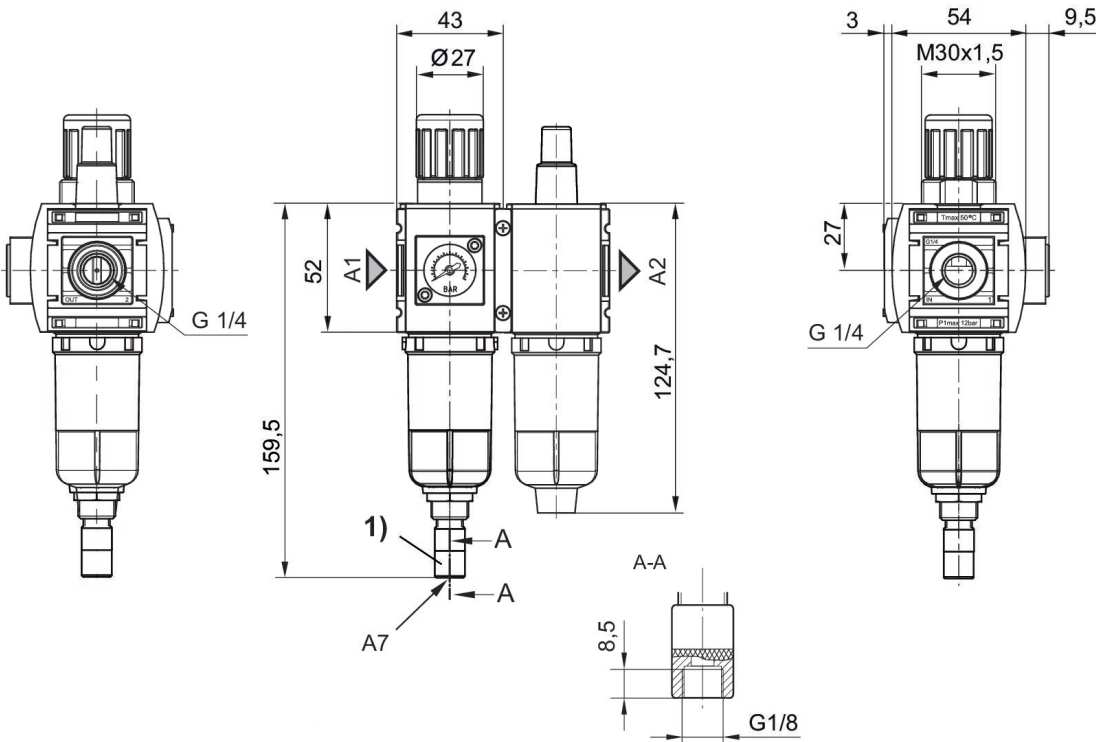
Condensate drain: fully automatic, open without pressure
Parts: Air preparation units
Parts: Filter pressure regulator Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	700	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014673

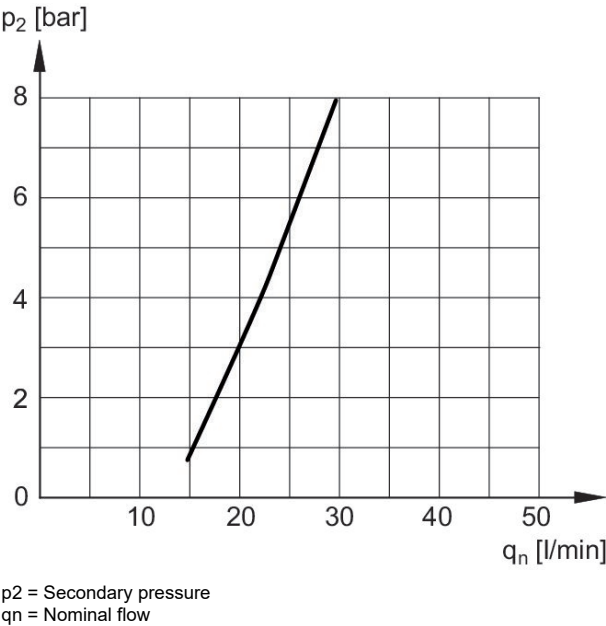
Protective guard	Part No.
Polyamide	R412014673

Dimensions in mm

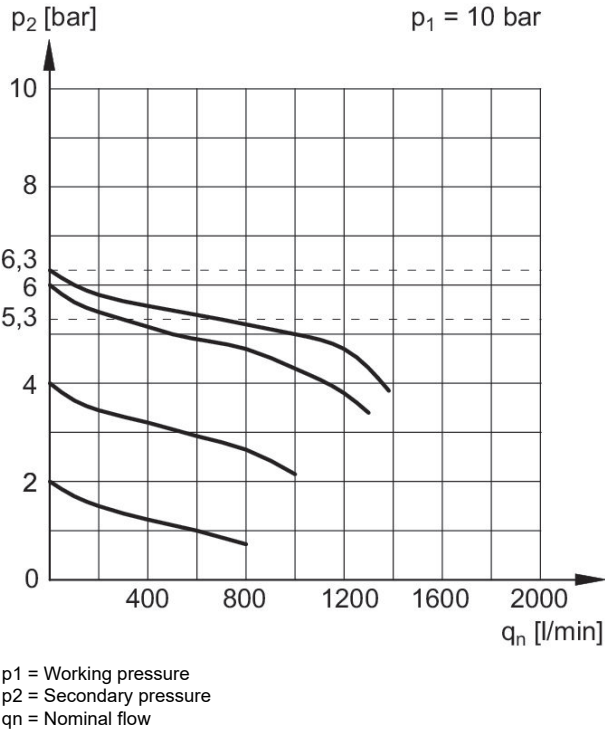


A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain

Lubricator activation margin



Flow rate characteristic, $p_2 = 0,05 - 7$ bar



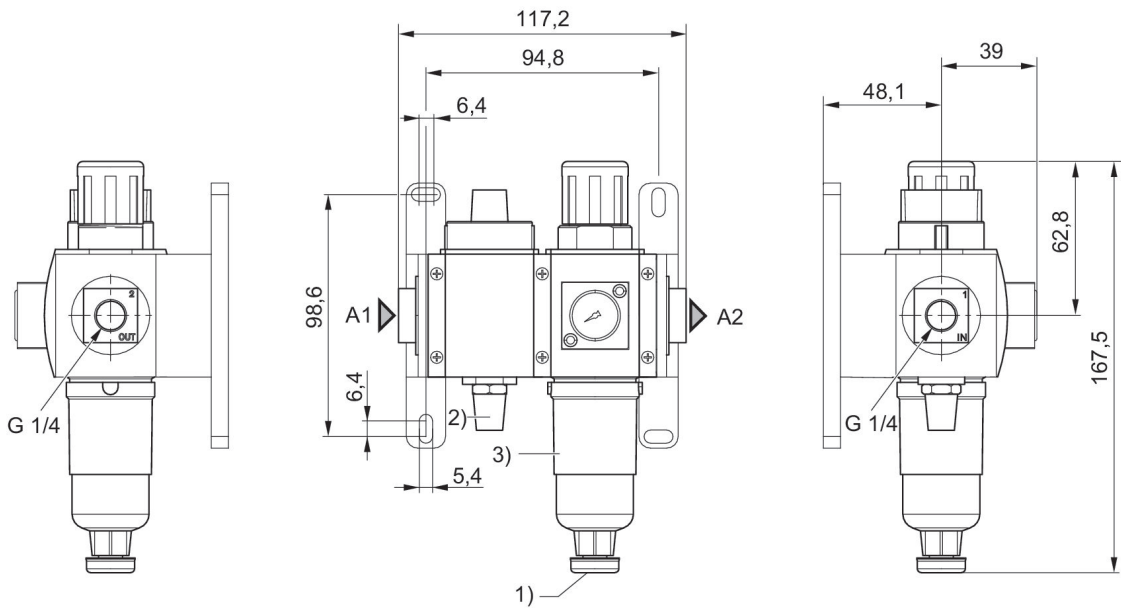
Air preparation unit, 2-part, Series AS1-ACC

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Air preparation units
Parts: Shut-off valve Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412027663

Dimensions in mm



A1 = input
A2 = output
1) Semi-automatic condensate drain
2) Silencer
3) Reservoir: polycarbonate

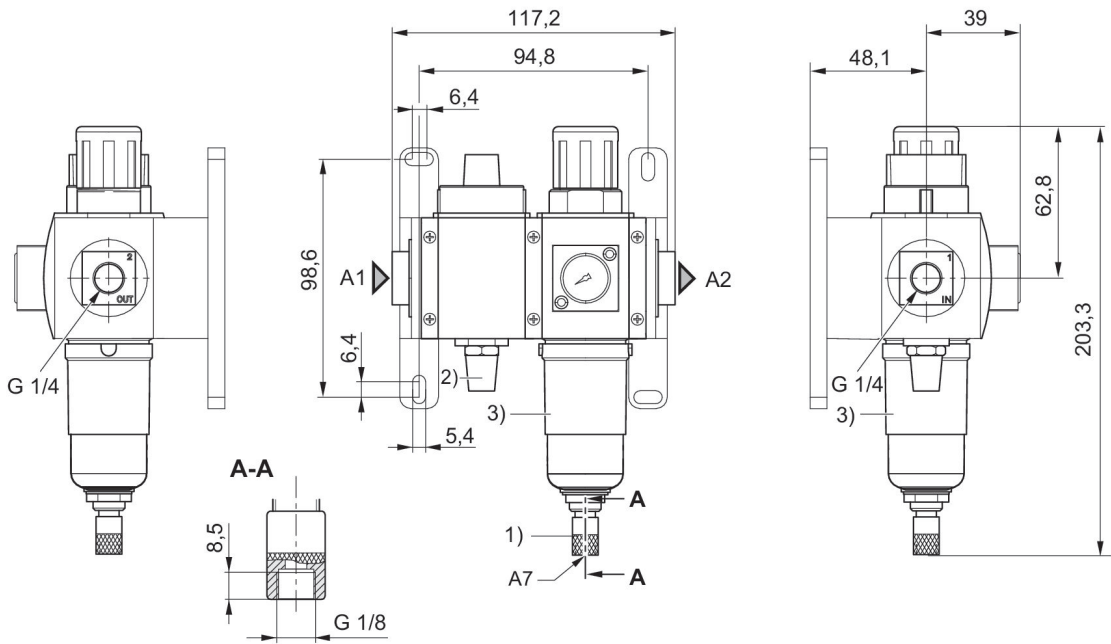
Air preparation unit, 2-part, Series AS1-ACC

Flow Flow: 1000 l/min
Condensate drain: fully automatic, open without pressure
Parts: Air preparation units
Parts: Shut-off valve Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/4	1000	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412027664

Dimensions in mm



- A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Silencer
3) Reservoir: polycarbonate

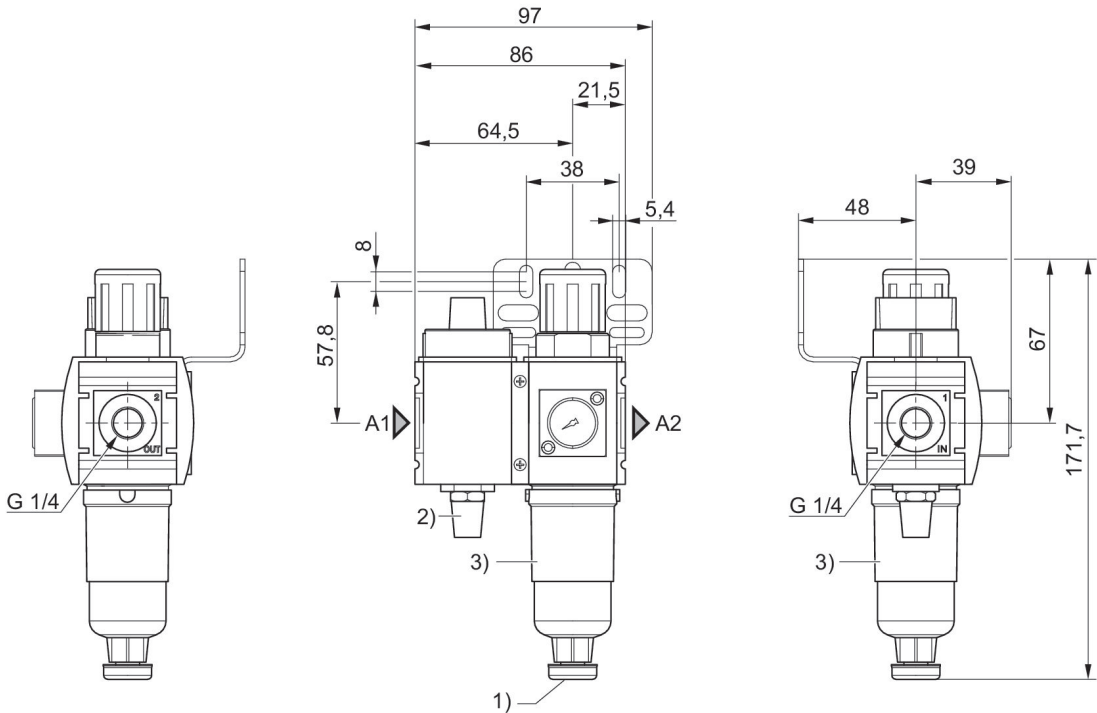
Air preparation unit, 2-part, Series AS1-ACC

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Air preparation units
Parts: Shut-off valve Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412027665

Dimensions in mm



A1 = input
A2 = output
1) Semi-automatic condensate drain
2) Silencer
3) Reservoir: polycarbonate

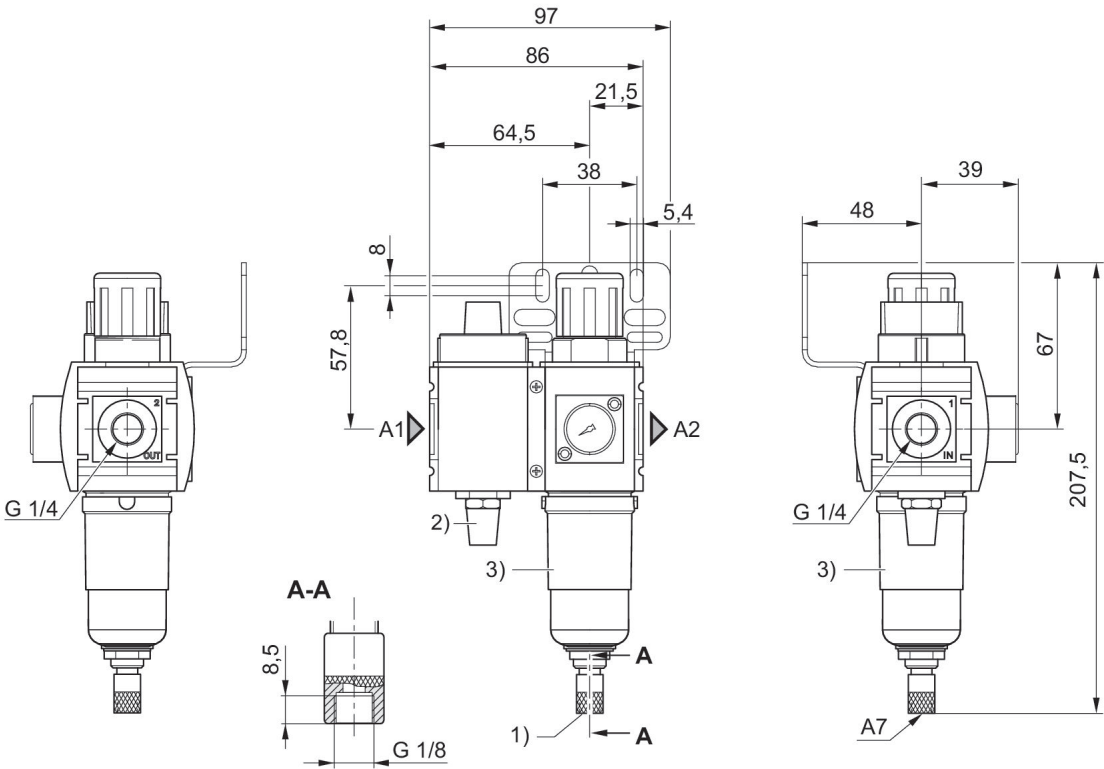
Air preparation unit, 2-part, Series AS1-ACC

Flow Flow: 1000 l/min
Condensate drain: fully automatic, open without pressure
Parts: Air preparation units
Parts: Shut-off valve Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
G 1/4	1000	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412027666

Dimensions in mm

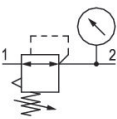
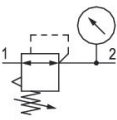
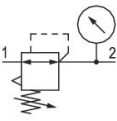


A1 = input
A2 = output
A7 = condensate drain
1) Fully automatic condensate drain
2) Silencer
3) Reservoir: polycarbonate

Pressure regulator, Series AS1-RGS

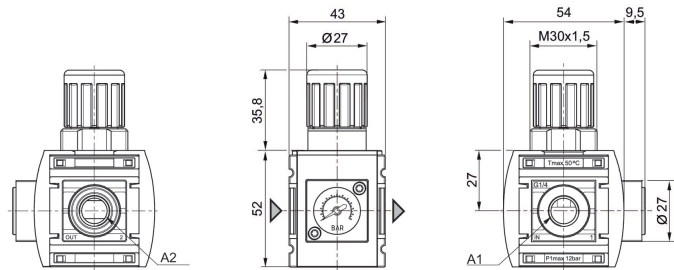
Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	With integrated pressure gauge	not lockable	R412014627
	G 1/4	1000	0.5	8	With integrated pressure gauge	not lockable	R412014628
	G 1/4	1000	0.5	10	With integrated pressure gauge	not lockable	R412014629

R412014627

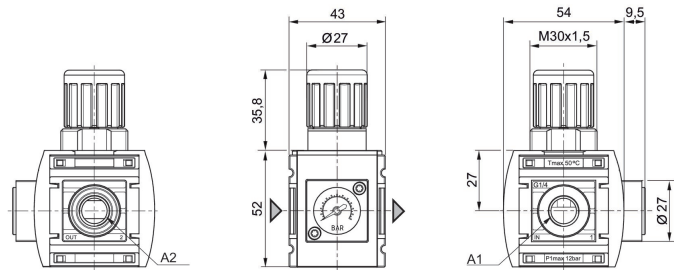
Dimensions in mm



A1 = input
A2 = output

R412014628

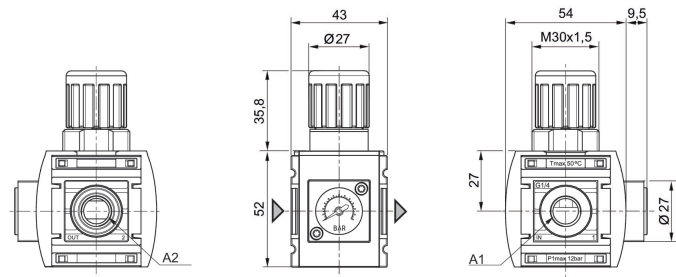
Dimensions in mm



A1 = input
A2 = output

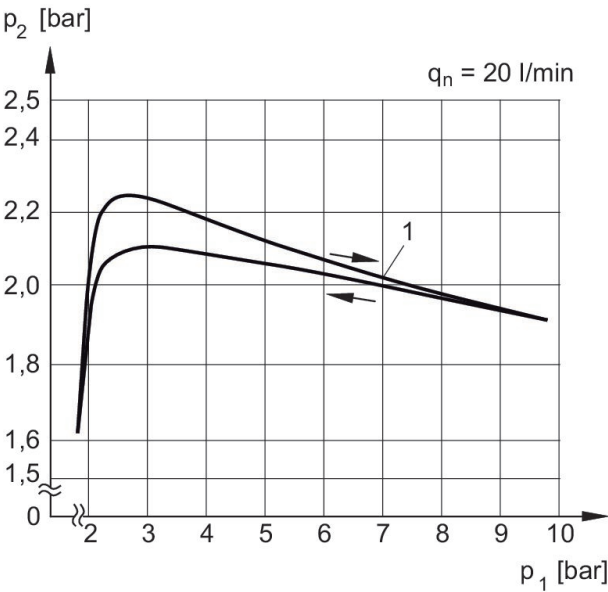
R412014629

Dimensions in mm



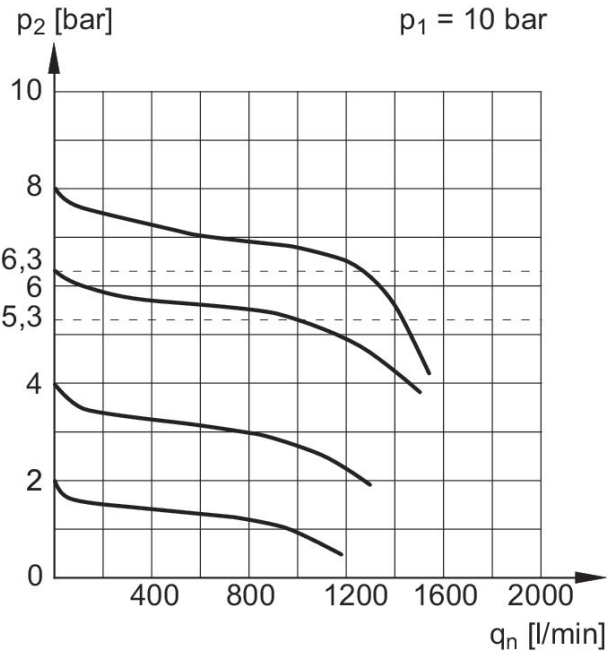
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Pressure regulator, Series AS1-RGS

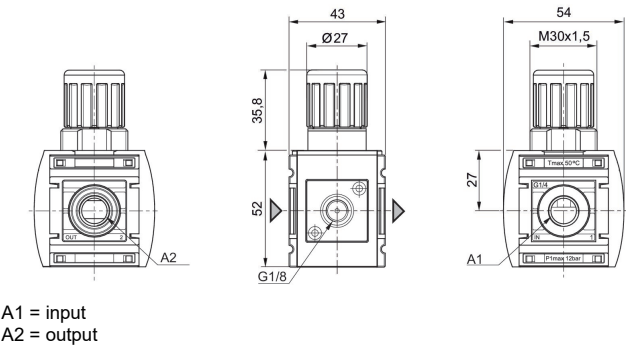
Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	without pres- sure gauge	not lockable	R412014633
	G 1/4	1000	0.5	8	without pres- sure gauge	not lockable	R412014634
	G 1/4	1000	0.5	10	without pres- sure gauge	not lockable	R412014635

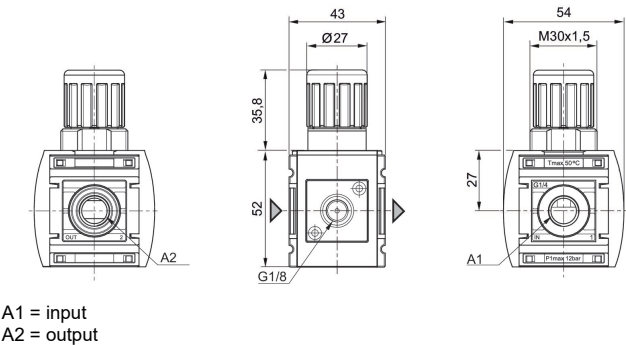
R412014633

Dimensions in mm



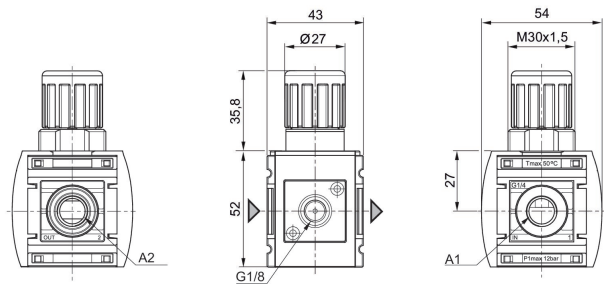
R412014634

Dimensions in mm



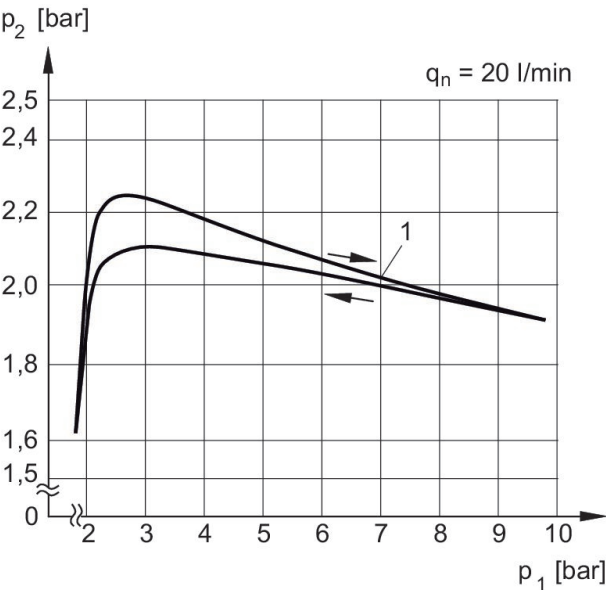
R412014635

Dimensions in mm



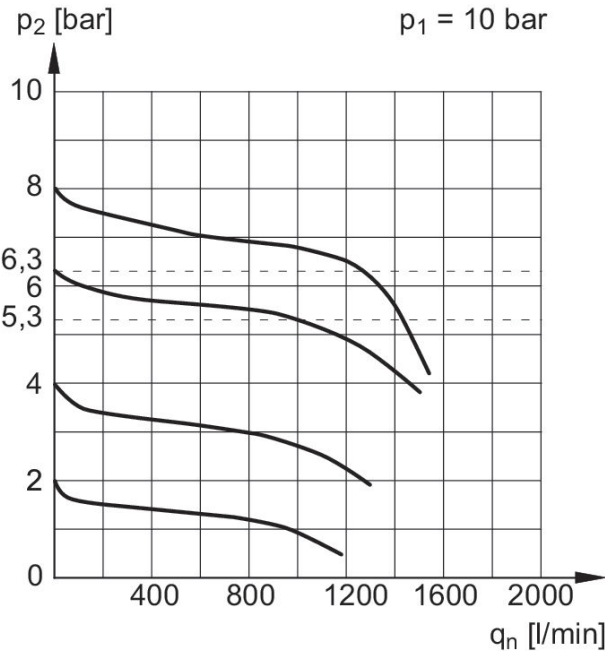
A1 = input
A2 = output

Pressure characteristics curve



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

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

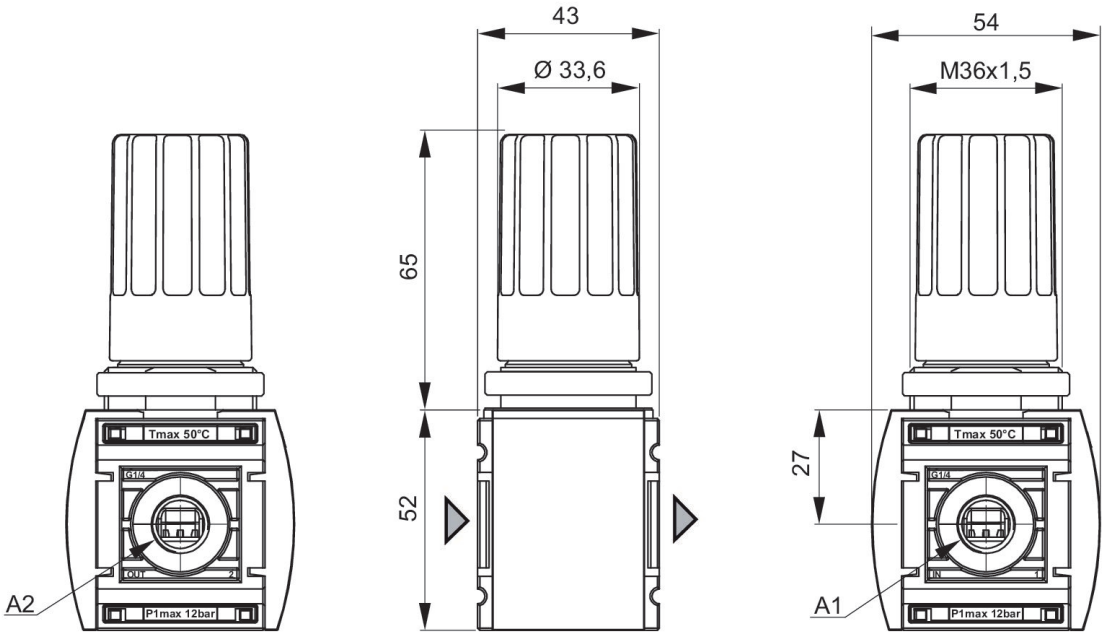
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



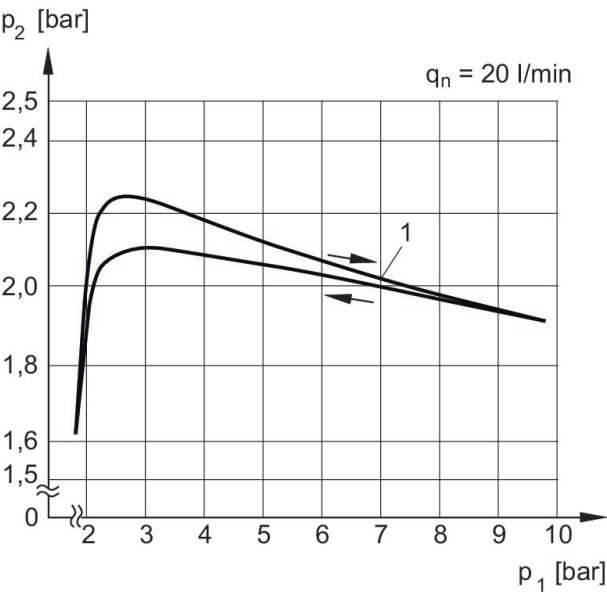
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	with pres- sure gauge in hand wheel	not lockable	R412014639

Dimensions in mm



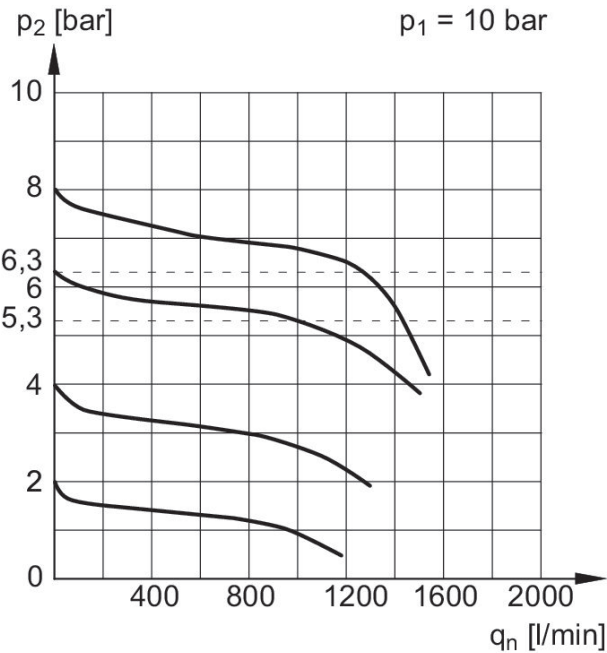
A1 = input
A2 = output
Panel nut included in scope of delivery

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

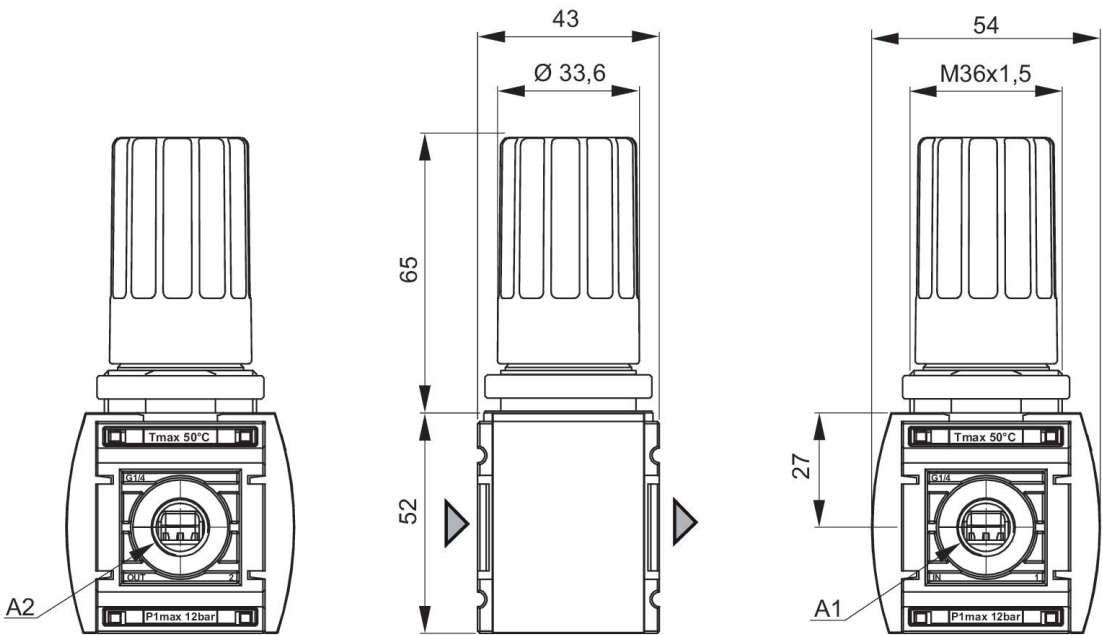
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



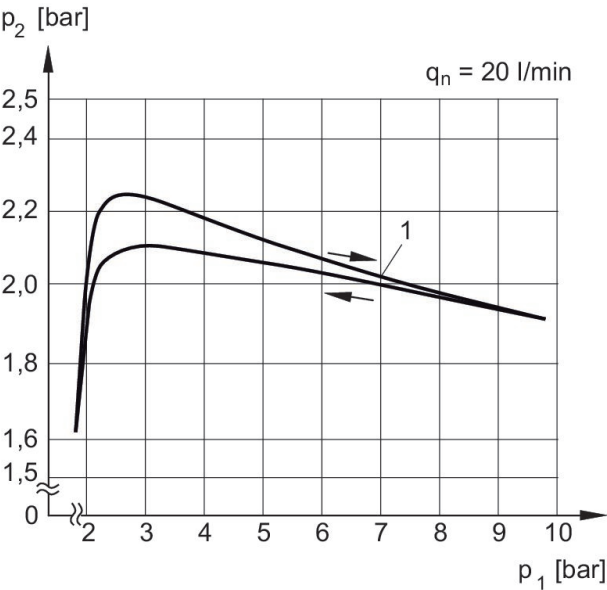
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.5	8	with pres- sure gauge in hand wheel	not lockable	R412014640

Dimensions in mm



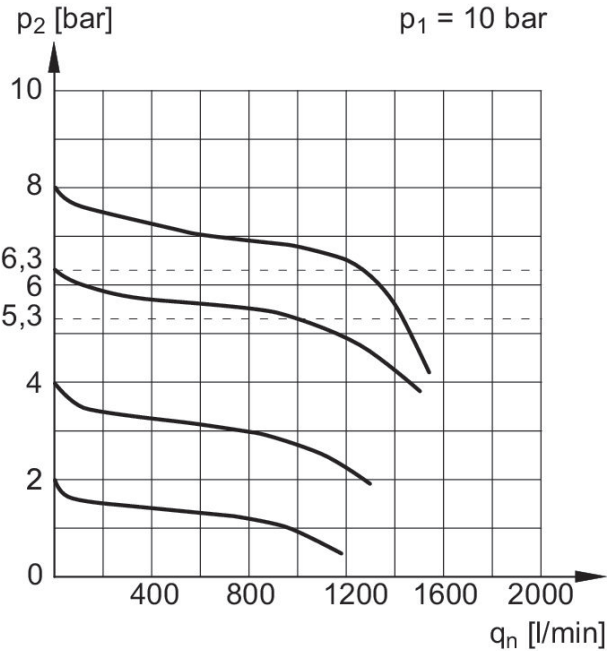
A1 = input
A2 = output
Panel nut included in scope of delivery

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

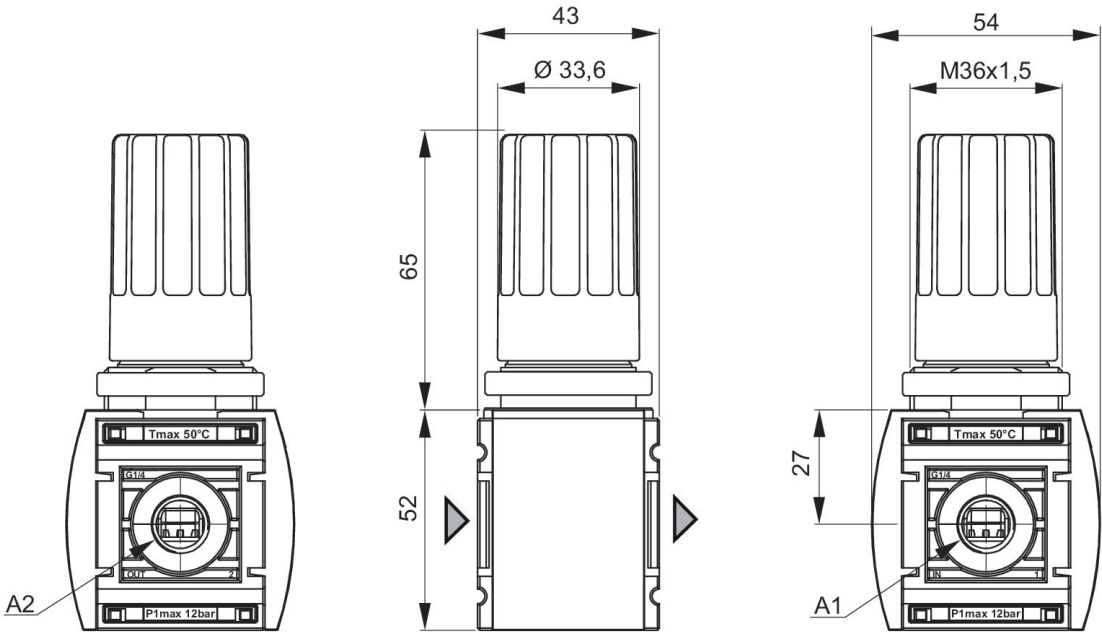
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



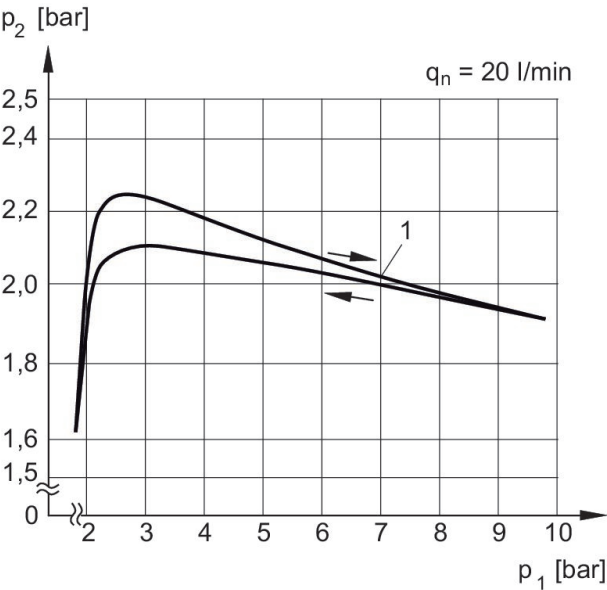
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.5	10	with pres- sure gauge in hand wheel	not lockable	R412014641

Dimensions in mm



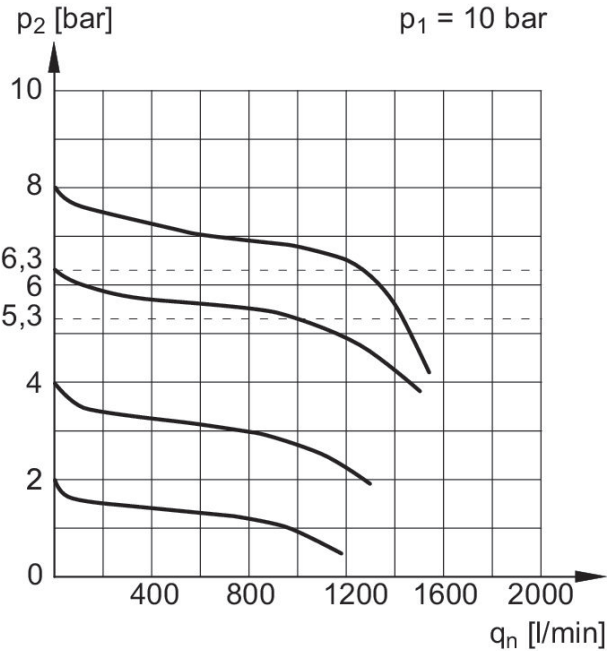
A1 = input
A2 = output
Panel nut included in scope of delivery

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

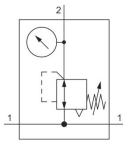
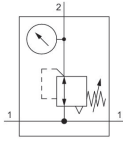
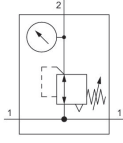


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

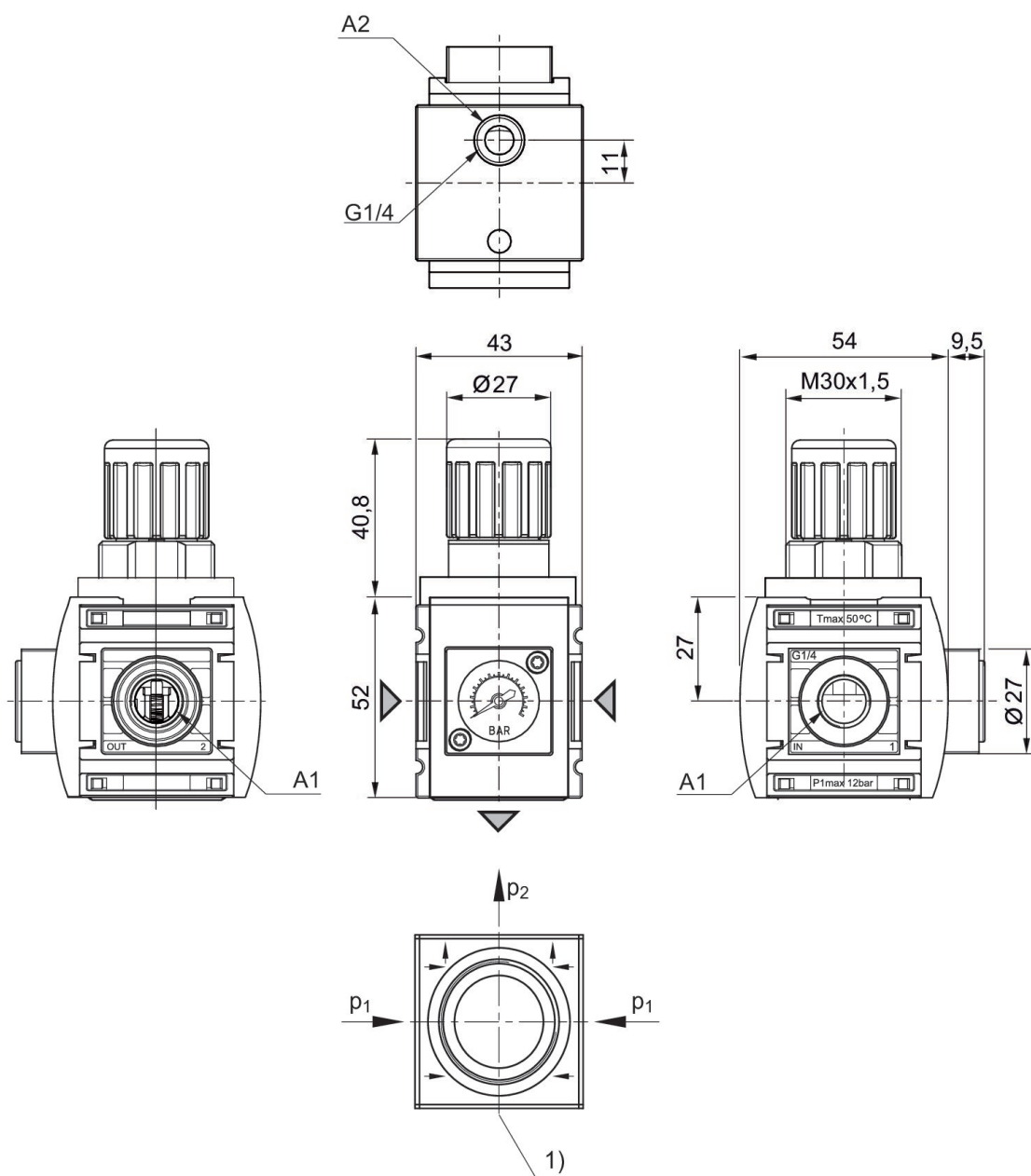
Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



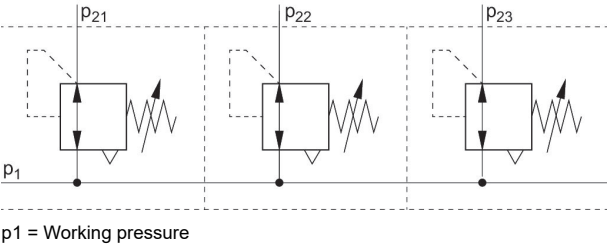
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	With integrat- ed pressure gauge	not lockable	R412014630
	G 1/4	1000	0.5	8	With integrat- ed pressure gauge	not lockable	R412014631
	G 1/4	1000	0.5	10	With integrat- ed pressure gauge	not lockable	R412014632

Dimensions in mm

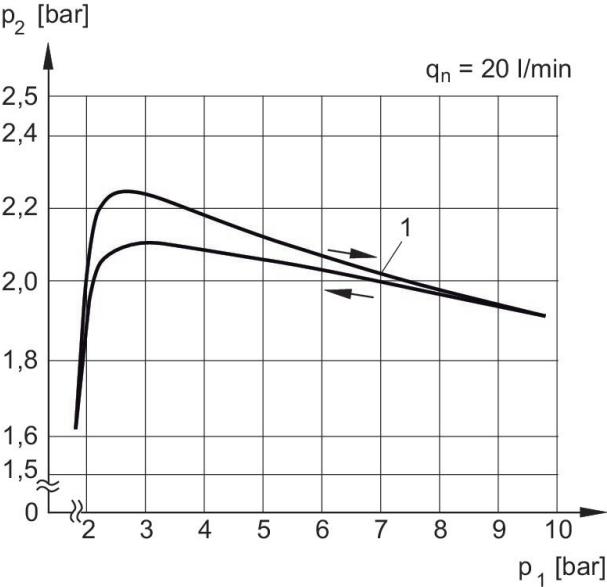


A1 = input
A2 = output
1) Pressure gauge connection

Application example

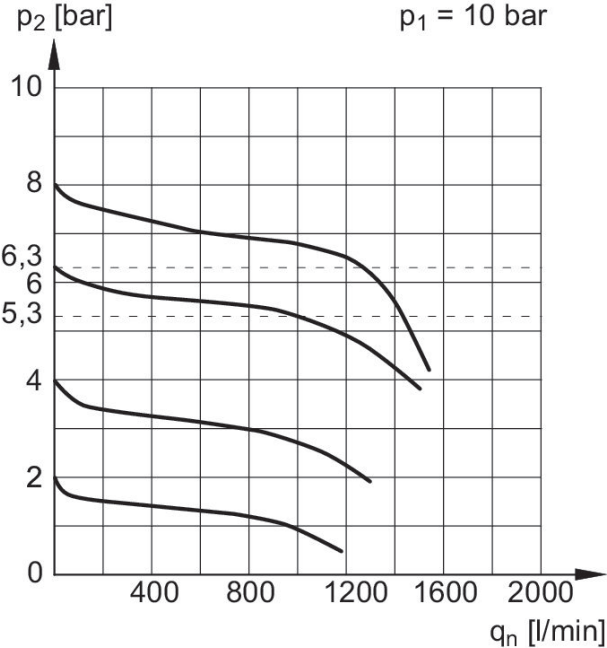


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

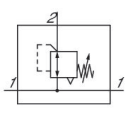
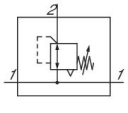
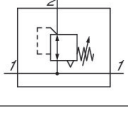
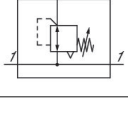


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.1	1	without pres- sure gauge	not lockable	R412010558
	G 1/4	1000	0.2	4	without pres- sure gauge	not lockable	R412014636
	G 1/4	1000	0.5	8	without pres- sure gauge	not lockable	R412014637
	G 1/4	1000	0.5	10	without pres- sure gauge	not lockable	R412014638

Technical drawing of the A1000 pressure transmitter, showing front, side, and top views with dimensions and labels.

Front View (Left): Shows the main body with a central pressure port labeled **A1** and a pressure rating of **P1max 12bar**.

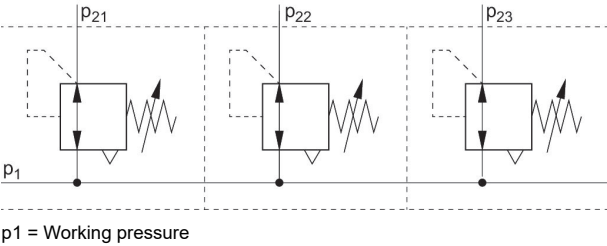
Side View (Top): Shows the side profile with a height of **40,8** and a mounting flange diameter of **Ø27**. The top flange has a diameter of **43** and a central port labeled **A2** with a thread of **G1/4**. The total height is **52**.

Side View (Right): Shows the side profile with a total width of **54** and a mounting flange diameter of **Ø27**. The top flange has a diameter of **5,5** and a central port labeled **A2** with a thread of **M30x1,5**. The total height is **27**. The bottom flange has a diameter of **5,5** and a central port labeled **A1** with a thread of **G1/8**.

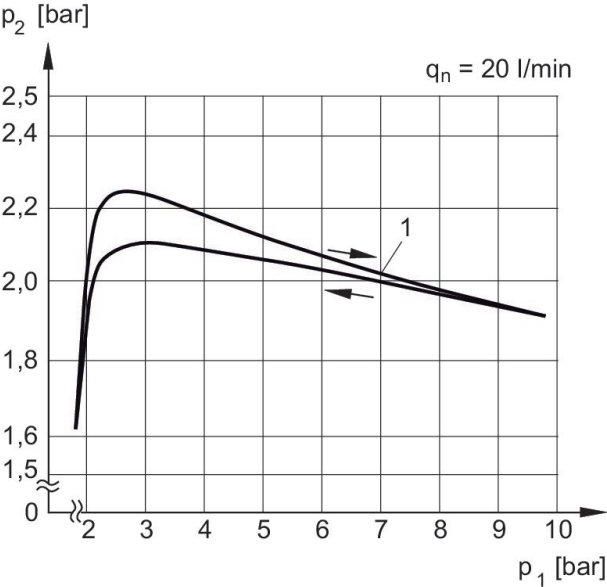
Top View (Bottom): Shows the top flange with a central pressure port labeled **1)** and a pressure rating of **P1max 12bar**. The pressure ports are labeled **p1** and **p2**.

A1 = input
A2 = output
1) Pressure gauge connection

Application example

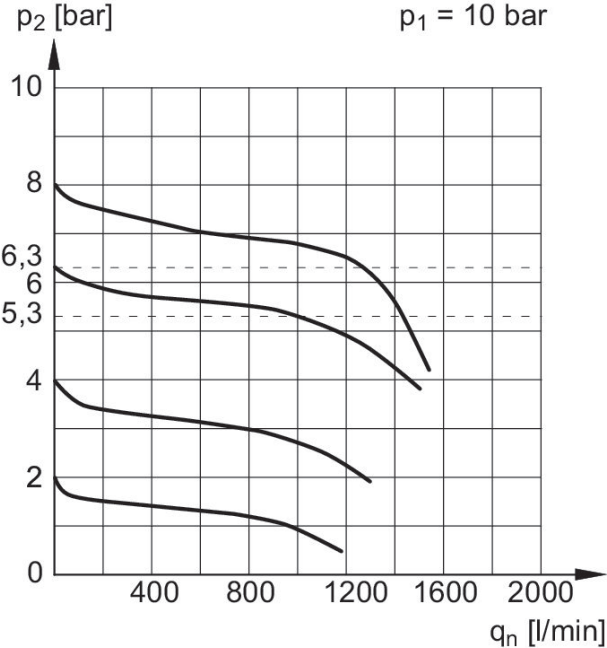


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

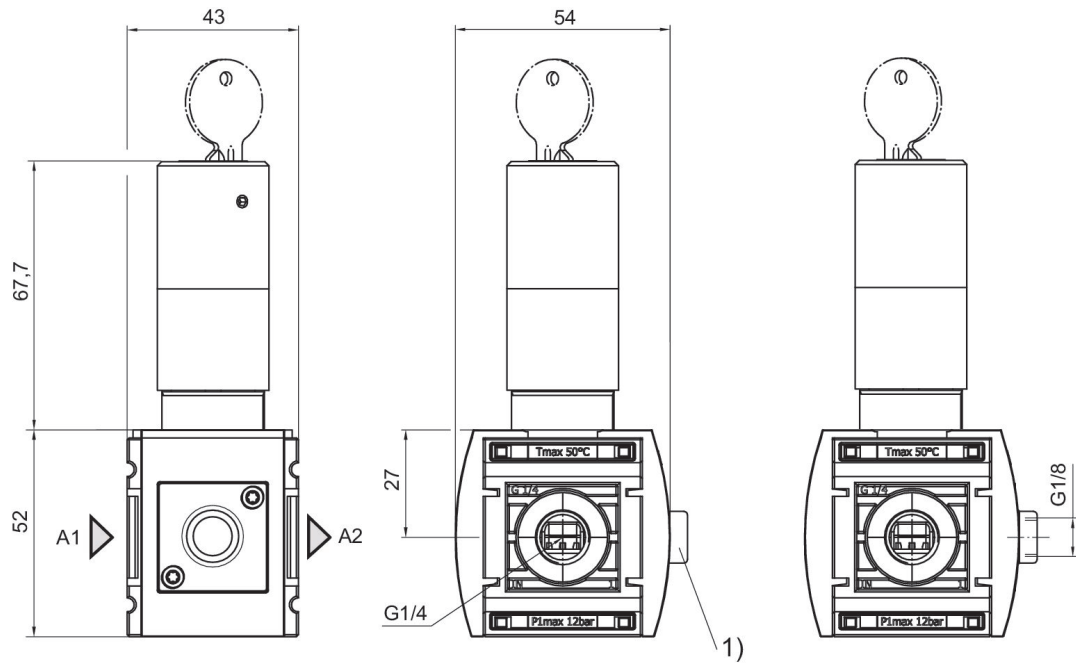
Pressure regulator, Series AS1-RGS-...-E11

Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



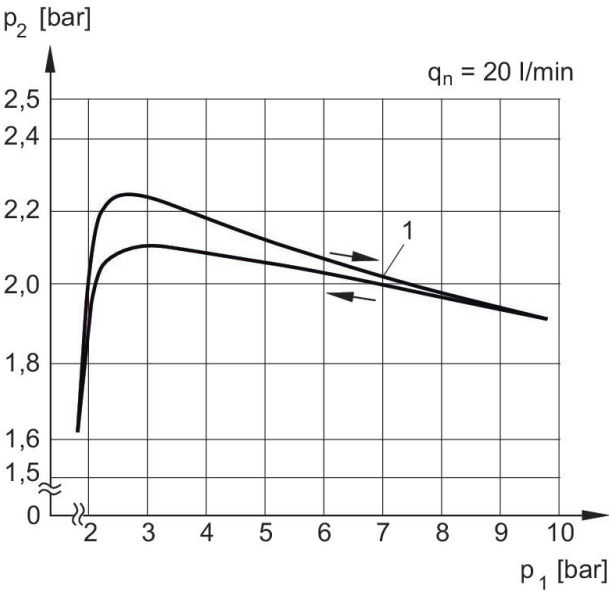
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.5	10	without pres- sure gauge	E11 locking, without key	R412010648

Dimensions in mm



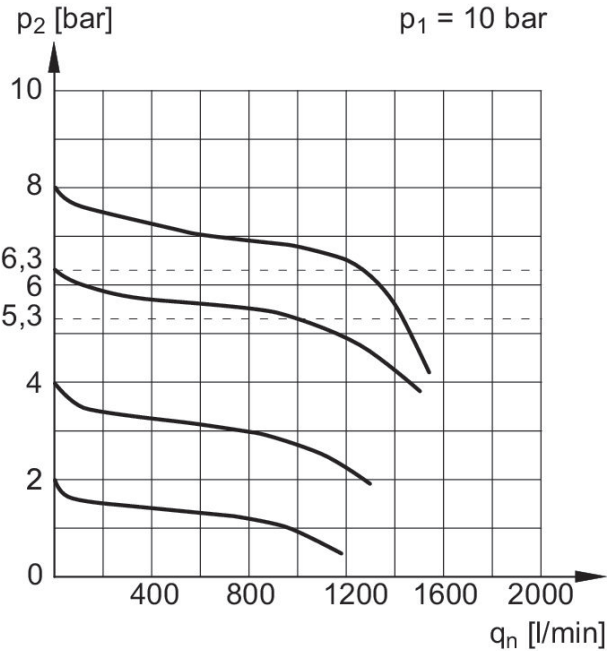
A1 = input
A2 = output
1) Adapter
Order pressure gauge separately

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

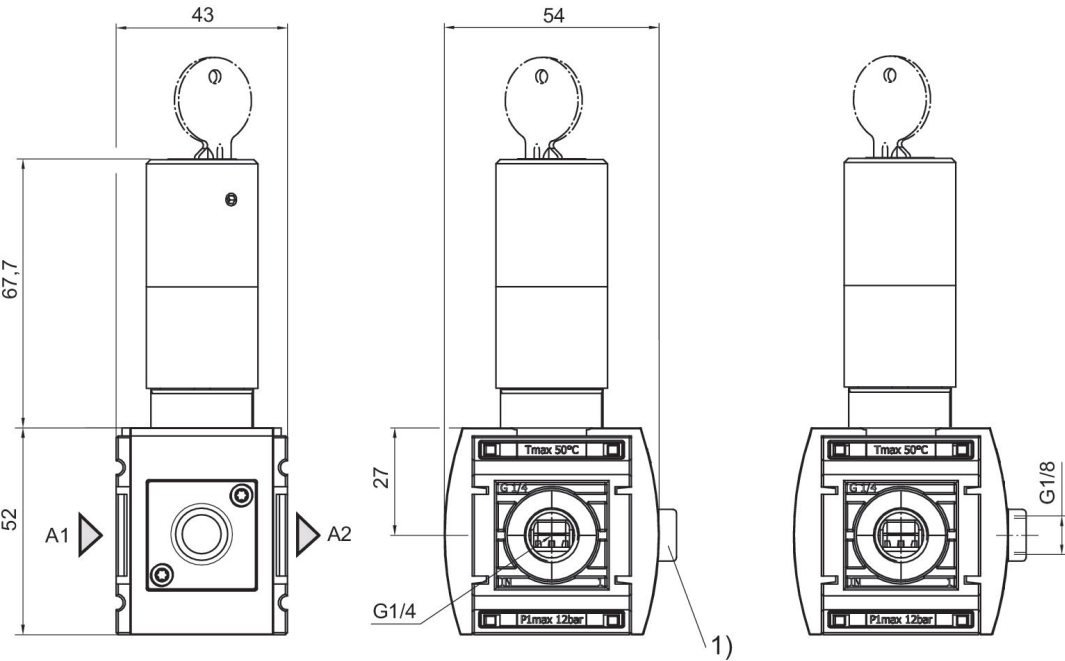
Pressure regulator, Series AS1-RGS-...-E11

Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



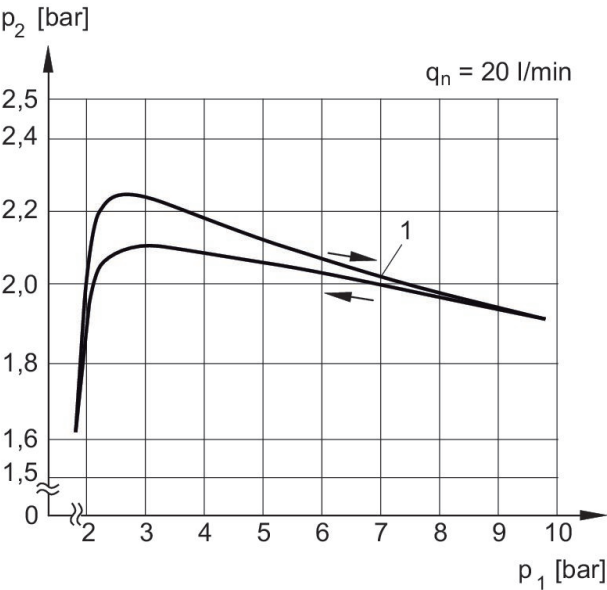
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	without pres- sure gauge	E11 locking, without key	R412010649

Dimensions in mm



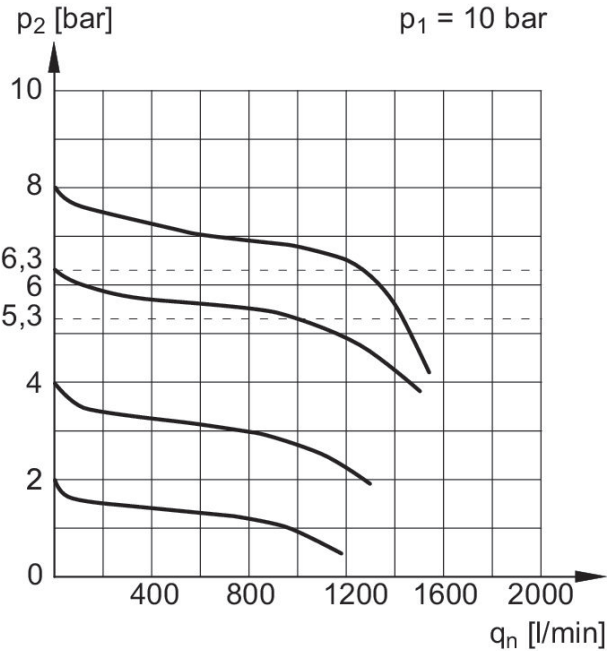
A1 = input
A2 = output
1) Adapter
Order pressure gauge separately

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

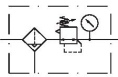


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

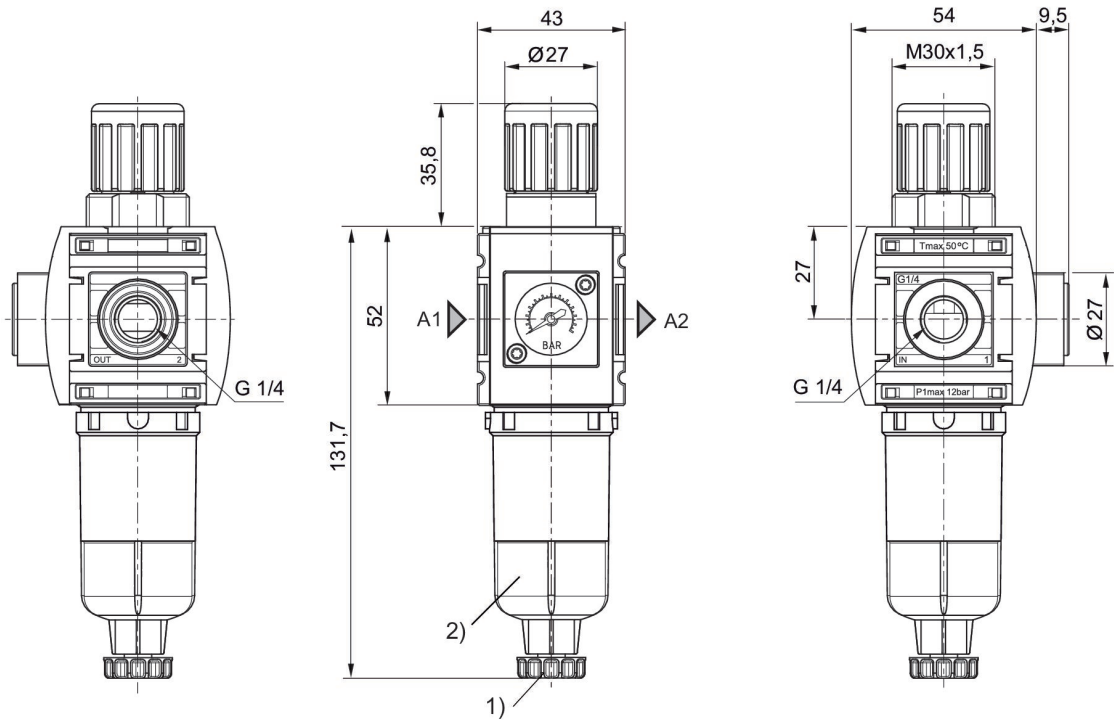
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



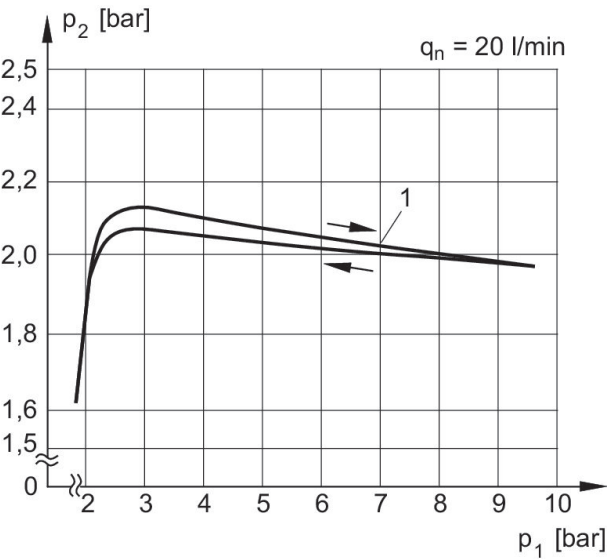
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014645

Dimensions in mm



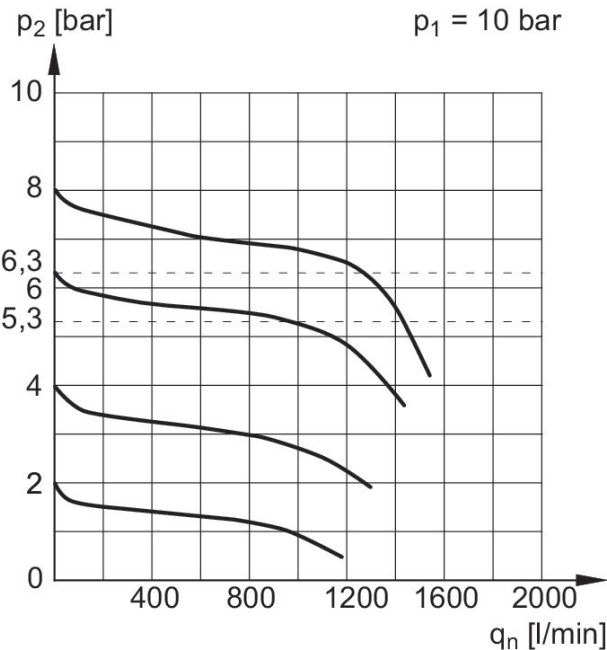
- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014652

Technical drawings of the 3000 series pressure transmitter, showing front, side, and top views with dimensions and labels.

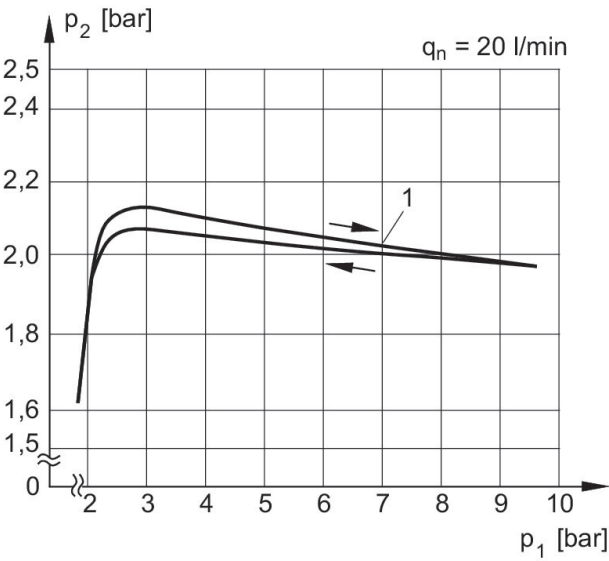
Front View (Left): Shows the front of the transmitter. The main body is cylindrical with a diameter of $\varnothing 27$. The top flange has a diameter of 43. The bottom flange has a diameter of 54. The central port is labeled "OUT" and "2". The connection is G 1/4. The total height is 131,7.

Side View (Middle): Shows the side of the transmitter. The main body is cylindrical with a diameter of $\varnothing 27$. The top flange has a diameter of 43. The bottom flange has a diameter of 54. The central port is labeled "IN" and "1". The connection is G 1/4. The total height is 131,7. The side view shows a height of 52 for the main body and 35,8 for the top flange. The side view also shows a height of 27 for the top flange. The side view also shows a height of 27 for the main body. The side view also shows a height of 27 for the main body.

Top View (Right): Shows the top of the transmitter. The main body is cylindrical with a diameter of $\varnothing 27$. The top flange has a diameter of 43. The bottom flange has a diameter of 54. The central port is labeled "IN" and "1". The connection is G 1/4. The total height is 131,7. The top view shows a height of 27 for the main body and 35,8 for the top flange. The top view also shows a height of 27 for the top flange. The top view also shows a height of 27 for the main body. The top view also shows a height of 27 for the main body.

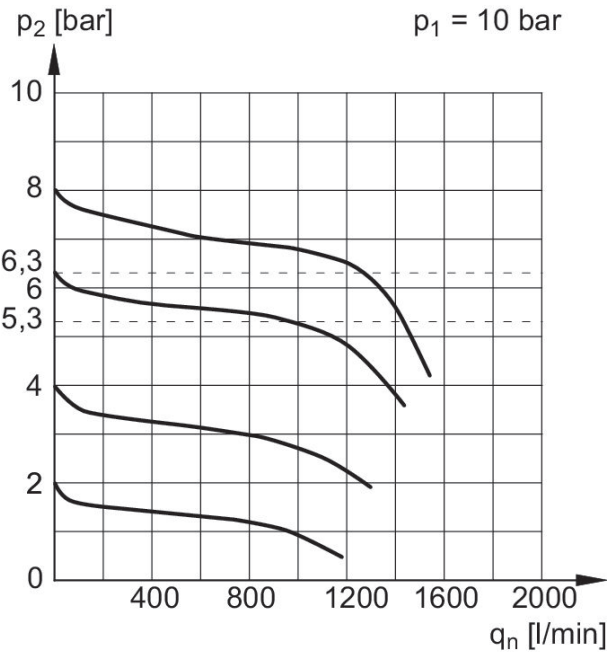
- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

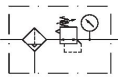


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

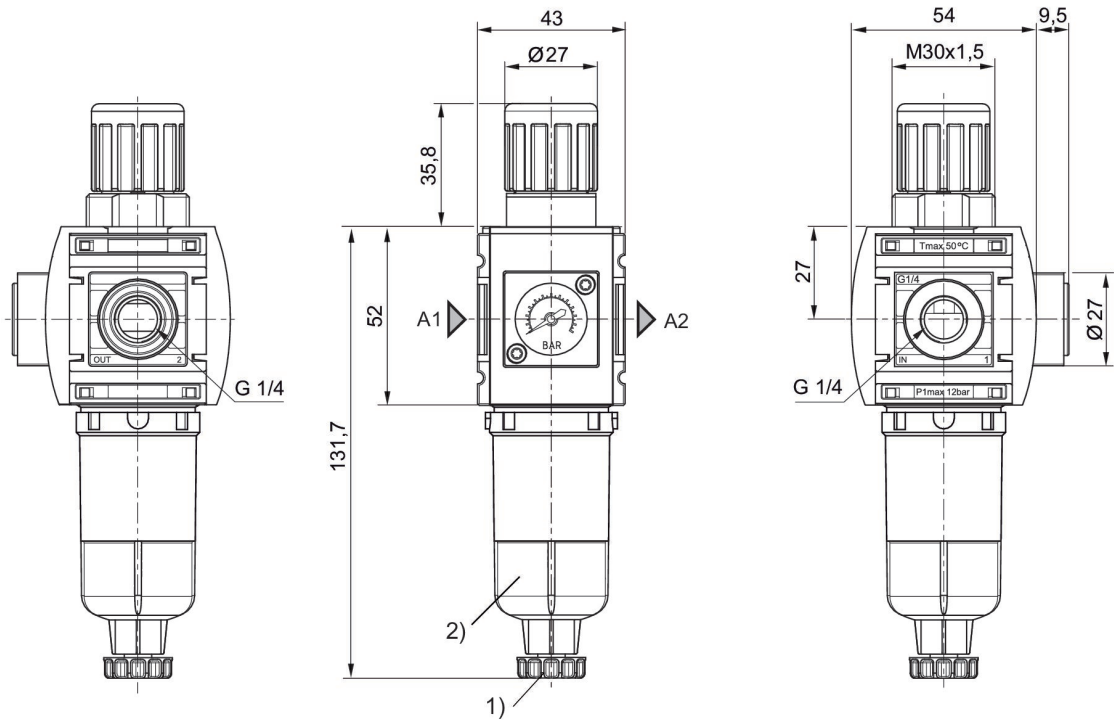
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



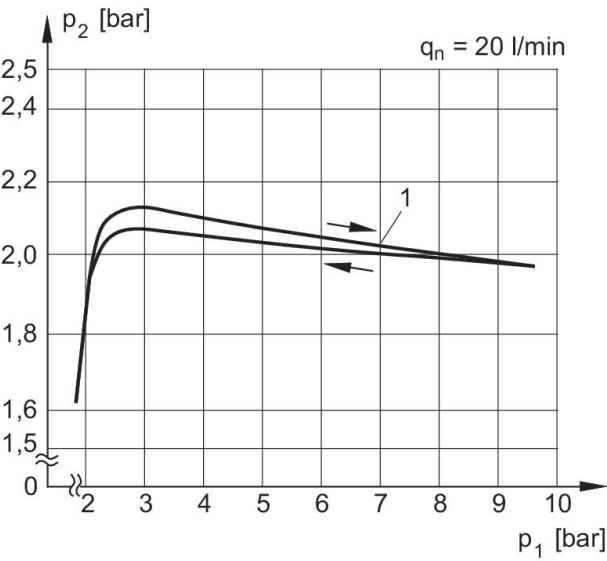
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	R412014655

Dimensions in mm



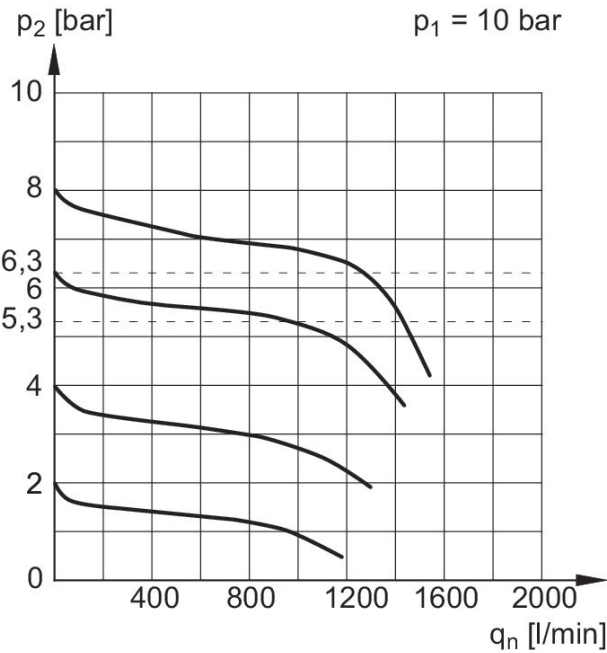
- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Filter pressure regulator, Series AS1-FRE

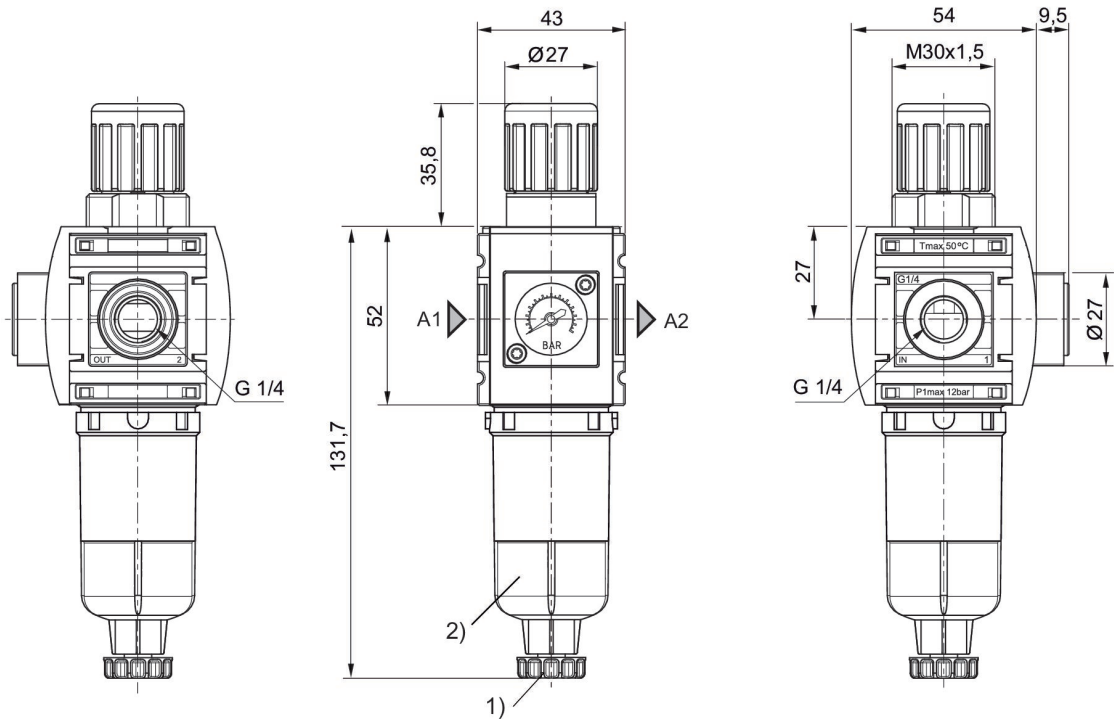
Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, with met- al protective guard	0.5	8	R412014648

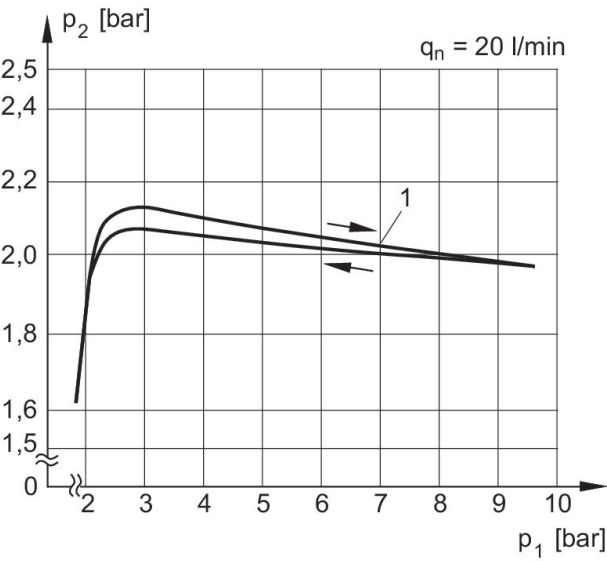
Protec- tive guard	Part No.
metal	R412014648

Dimensions in mm



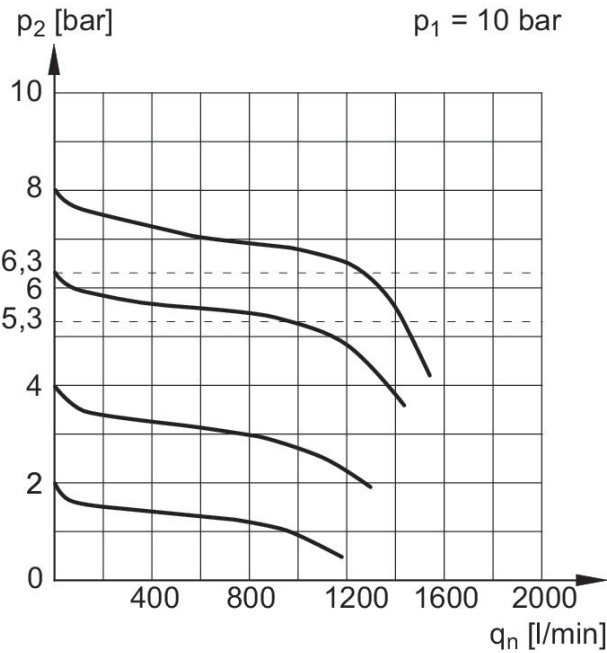
- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

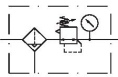


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

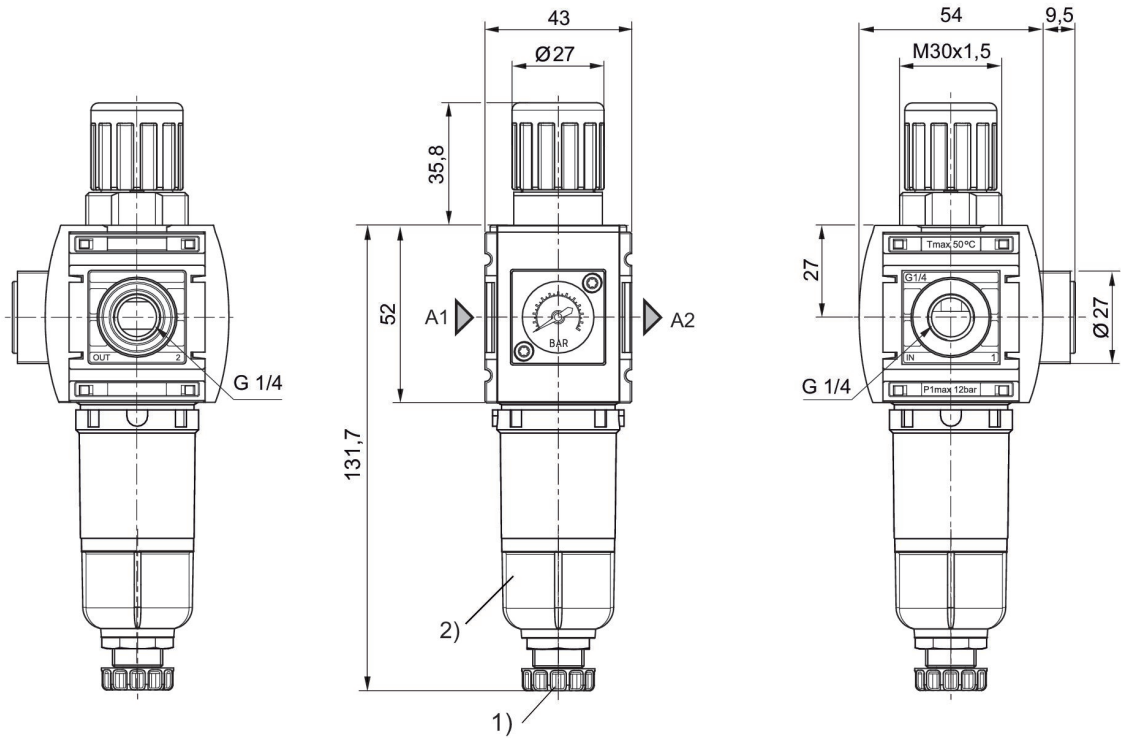
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



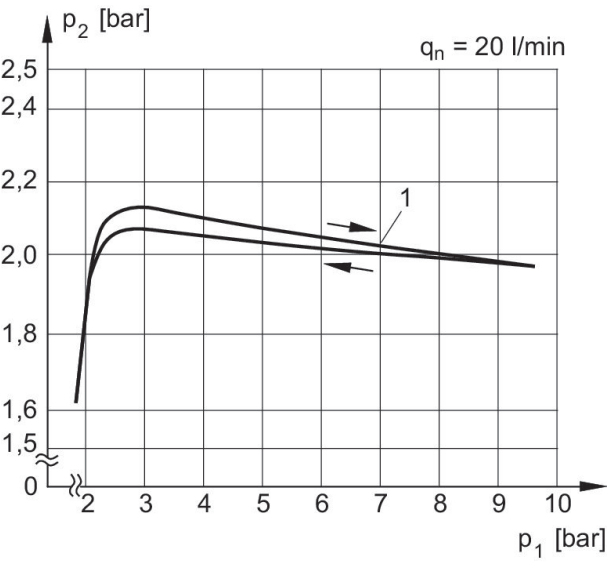
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	Metal reservoir without window	0.5	8	R412014649

Dimensions in mm



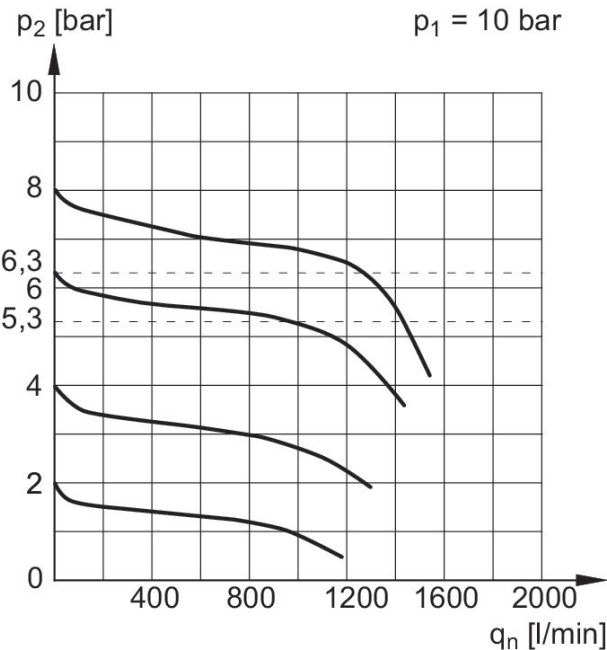
- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, with met- al protective guard	0.5	10	R412014658

Protective guard	Part No.
metal	R412014658

Technical drawings of the P1000 pressure transmitter showing front, side, and rear views with dimensions.

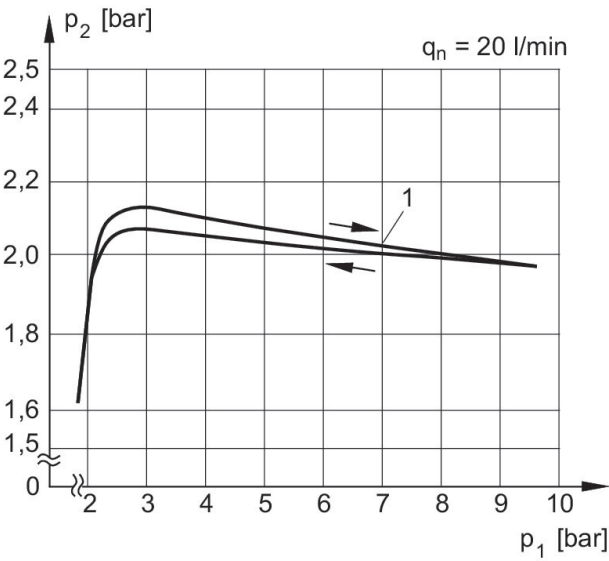
Front View (Left): Shows the main body with a G 1/4 connection. The overall height is 131.7 mm. The main body diameter is 43 mm. The top section has a height of 35.8 mm. The bottom section has a height of 52 mm. The main body is labeled with "OUT" and "2".

Side View (Middle): Shows the side profile with a height of 131.7 mm. The main body diameter is 43 mm. The top section has a height of 35.8 mm. The main body is labeled with "A1" and "A2". The bottom section is labeled with "2)".

Rear View (Right): Shows the rear of the transmitter with a G 1/4 connection. The overall height is 131.7 mm. The main body diameter is 43 mm. The top section has a height of 35.8 mm. The main body is labeled with "Tmax 50°C", "G1/4", "IN", "1", and "P1max 12bar". The bottom section is labeled with "1)".

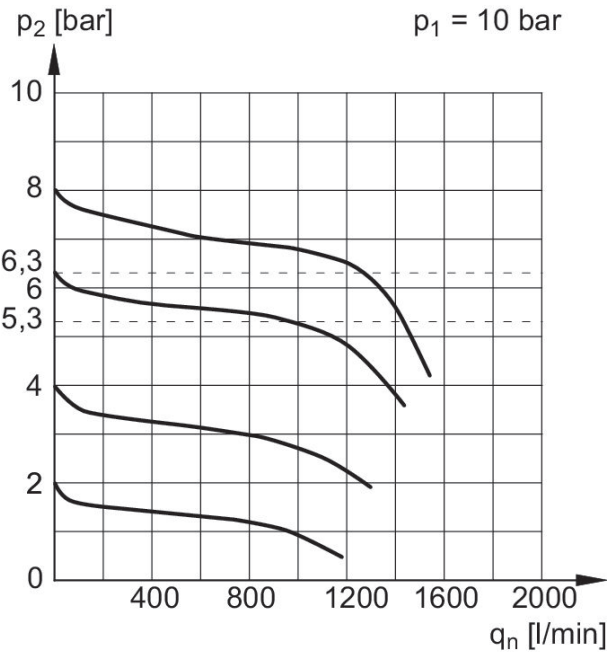
- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

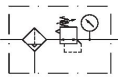


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

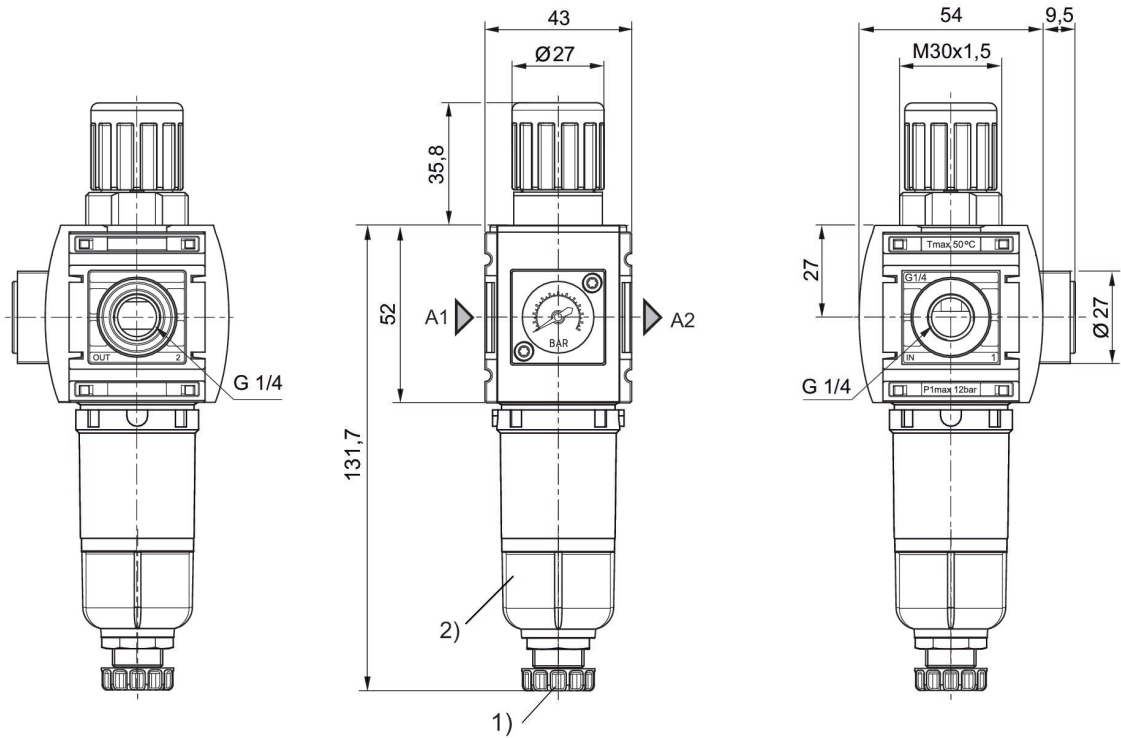
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



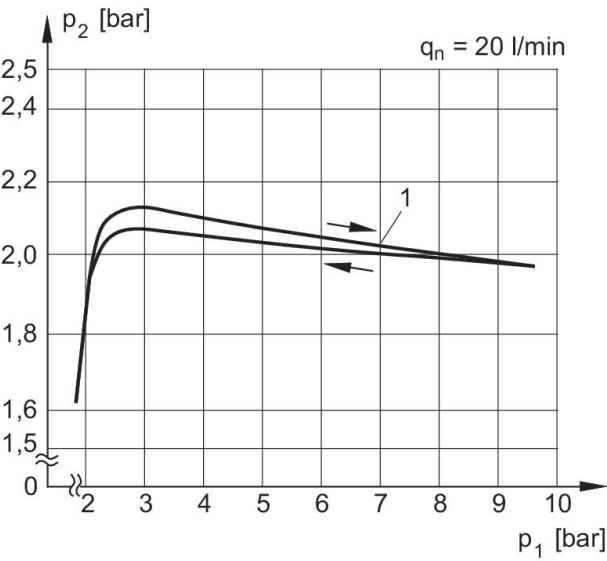
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	Metal reser- voir without window	0.5	10	R412014659

Dimensions in mm



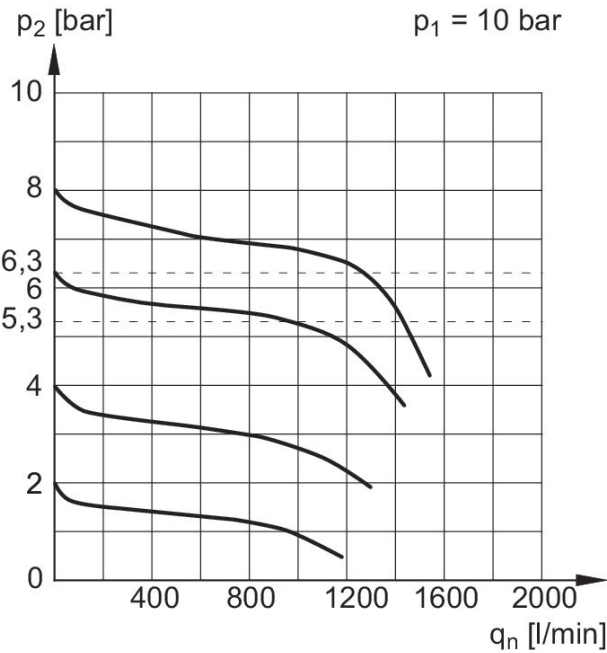
- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Filter pressure regulator, Series AS1-FRE

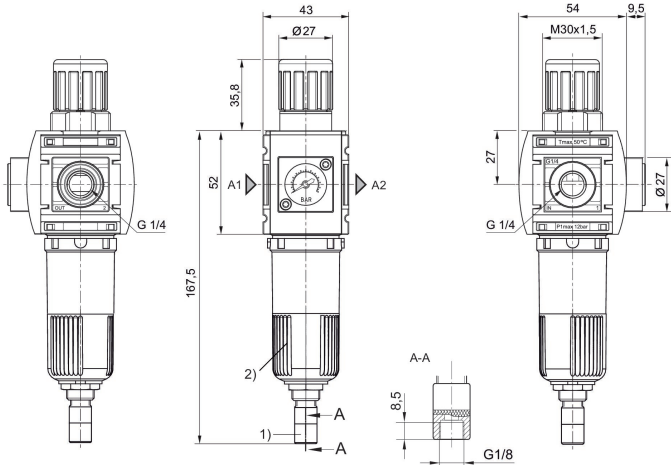
Condensate drain: fully automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014646
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014647

R412014646

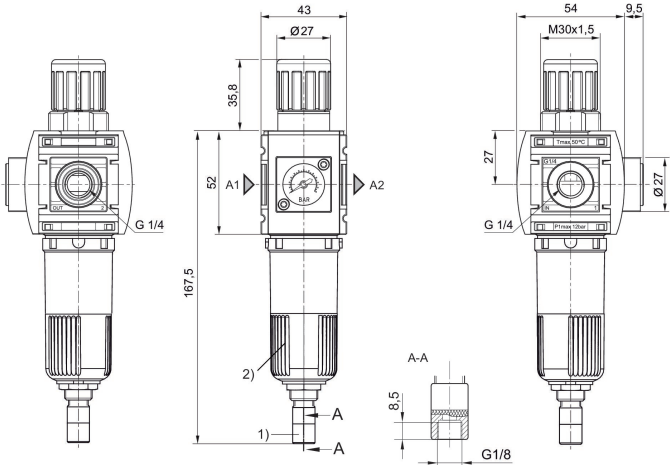
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

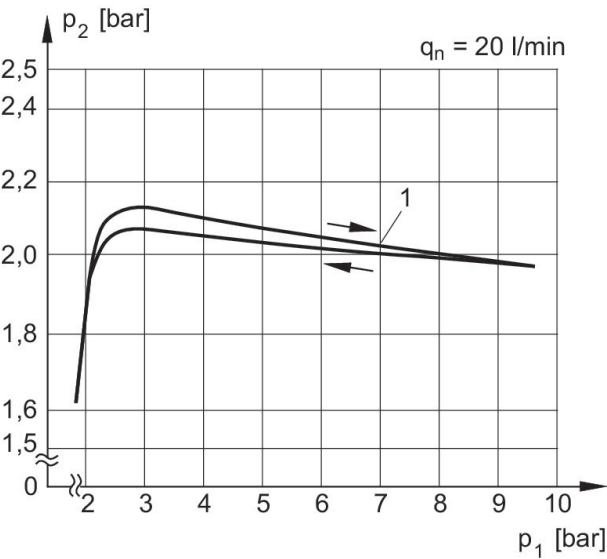
R412014647

Dimensions in mm



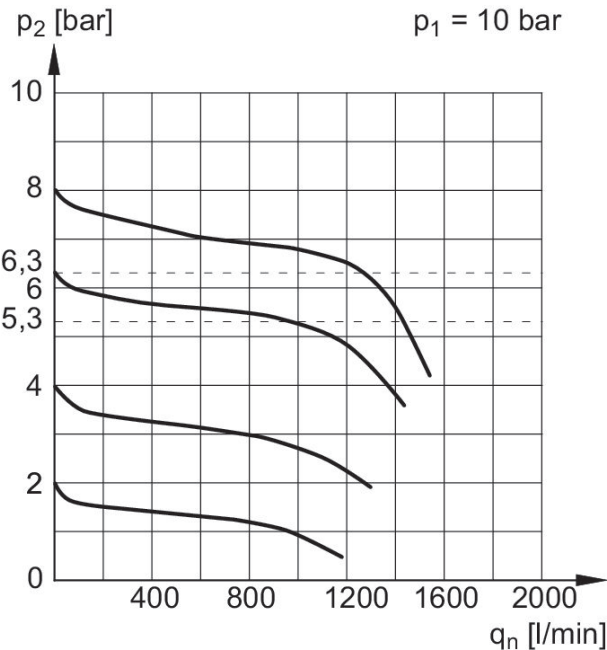
- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

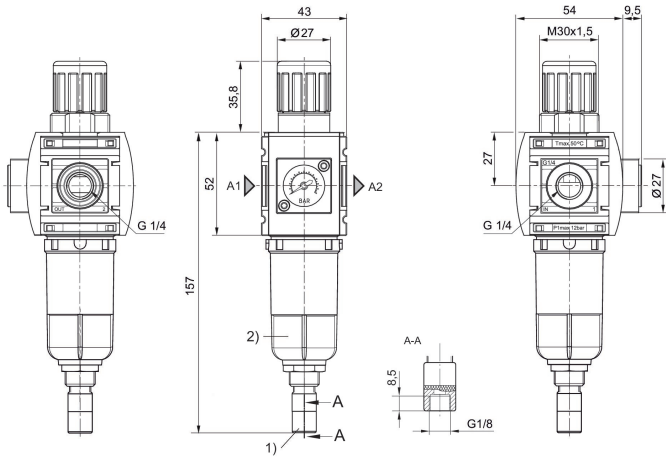
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation [bar]	Max. regulation [bar]	Part No.
	G 1/4	1000	5		Metal reservoir without window	0.5	8	R412014650
	G 1/4	1000	5	fully automatic, closed without pressure	Metal reservoir without window	0.5	8	R412014651

R412014650

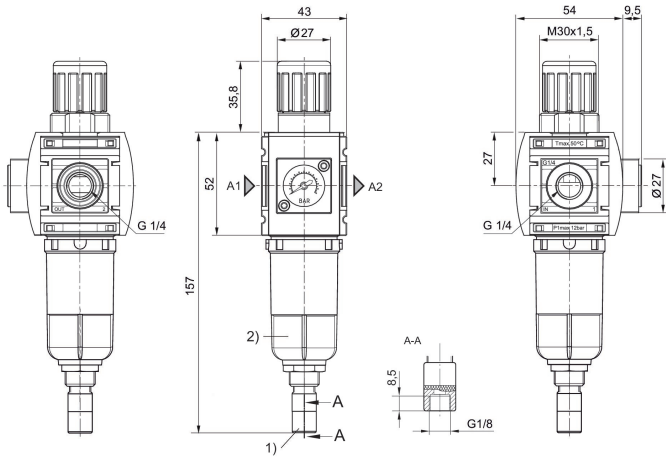
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: metal

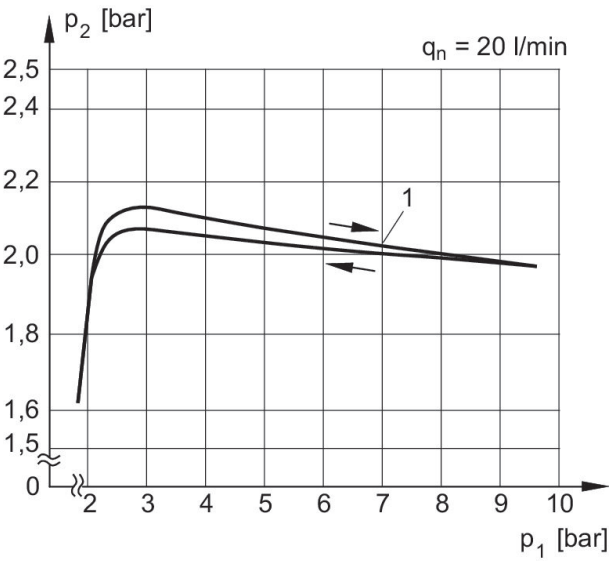
R412014651

Dimensions in mm



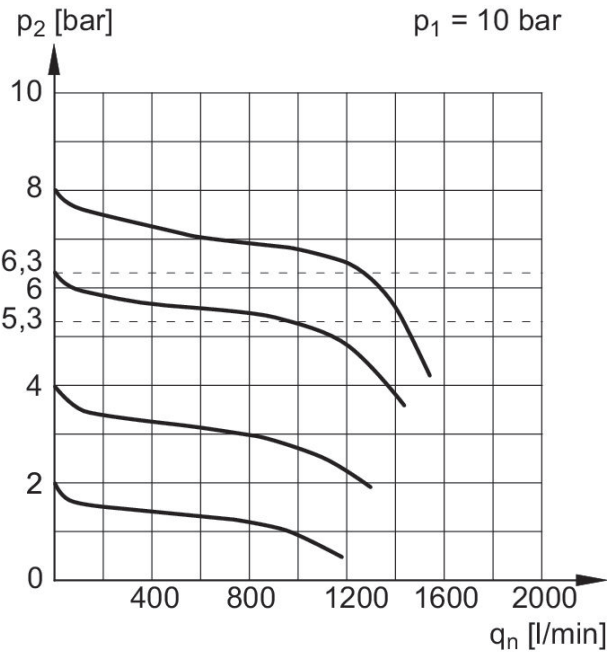
- 1) Fully automatic condensate drain
- 2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

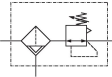


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

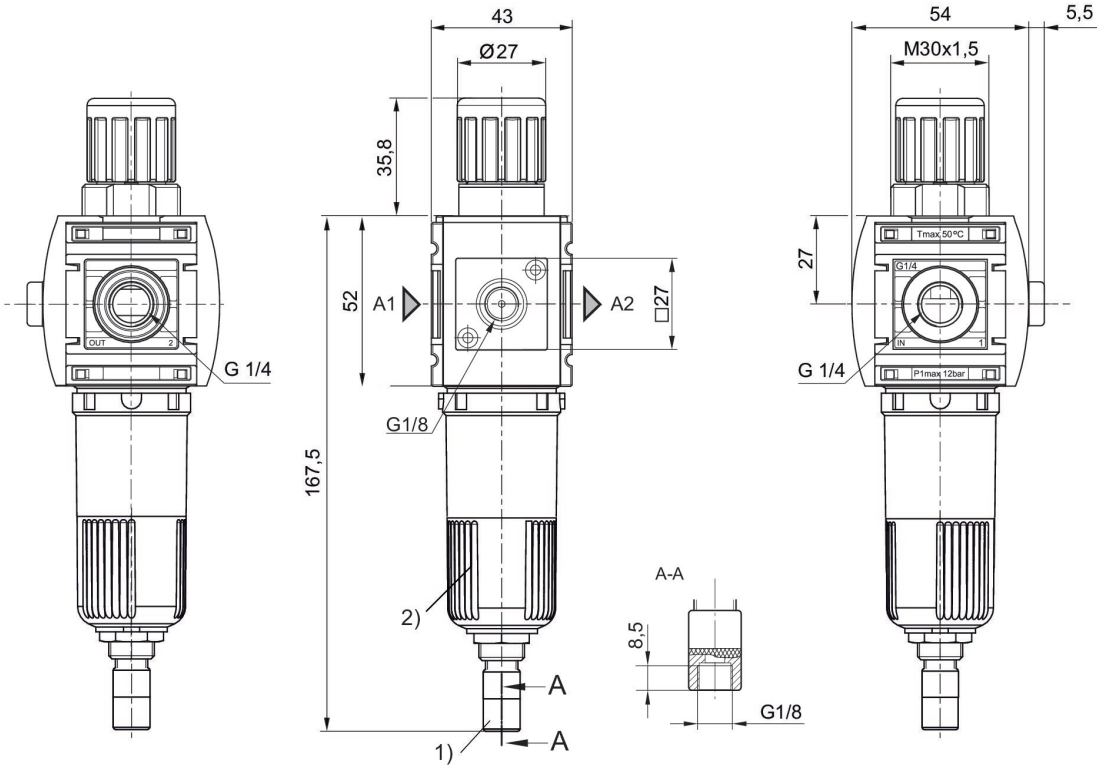
Filter pressure regulator, Series AS1-FRE

Condensate drain: fully automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



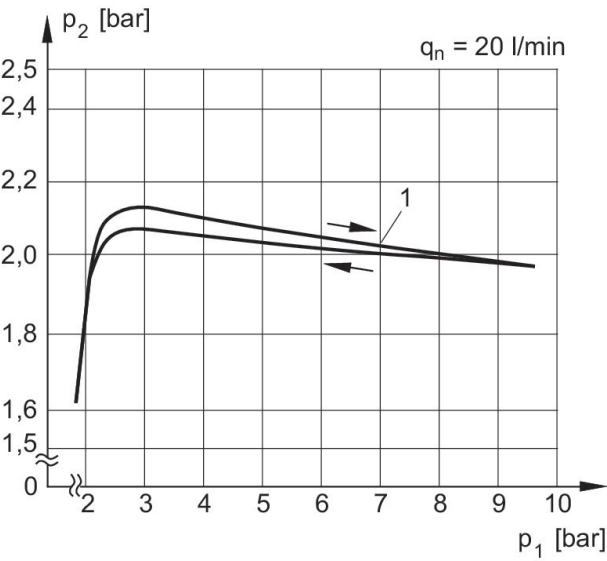
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014653

Dimensions in mm



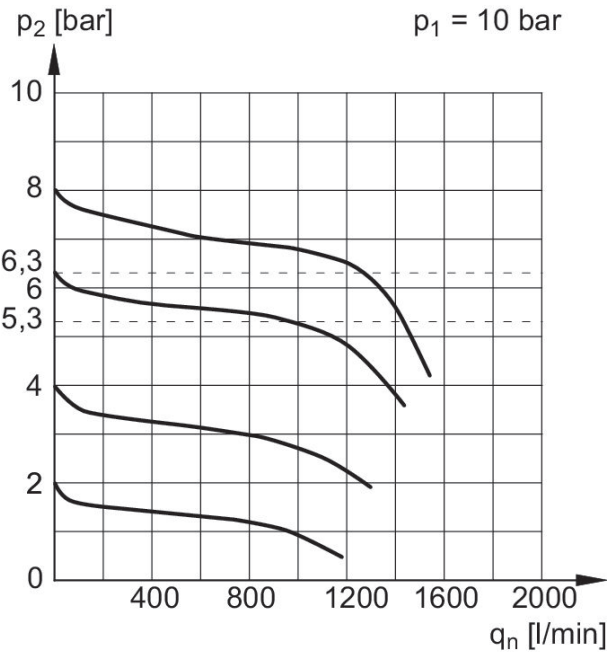
- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

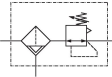


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

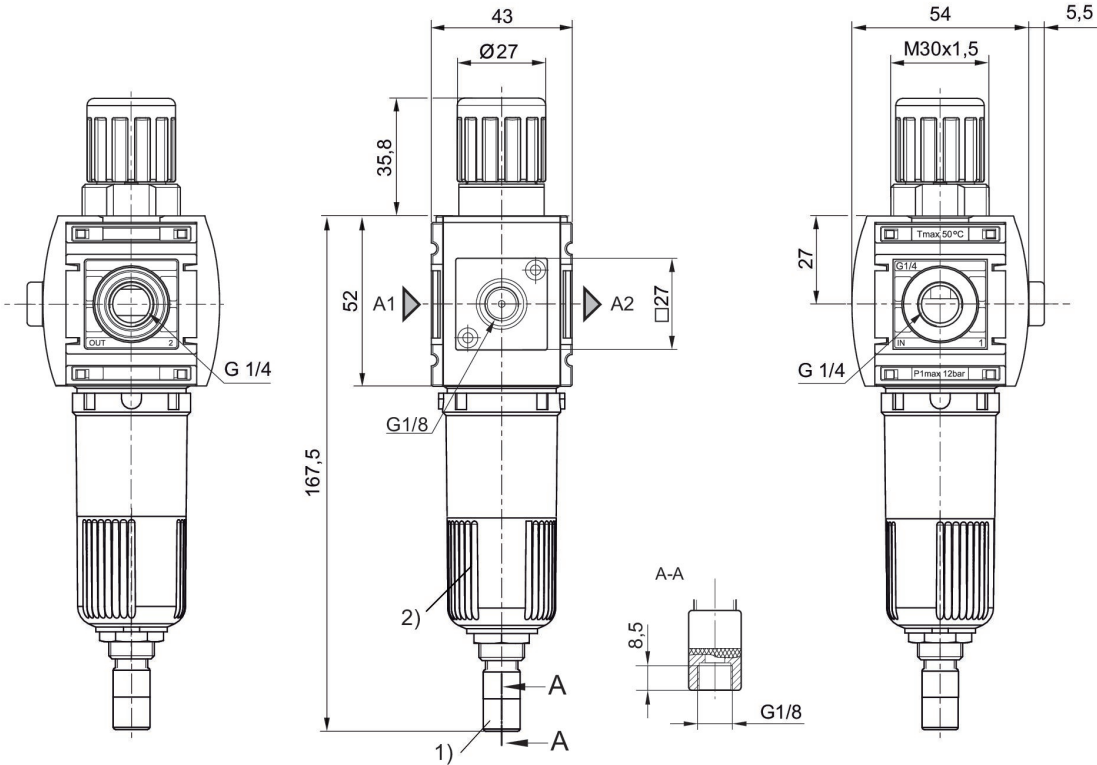
Filter pressure regulator, Series AS1-FRE

Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



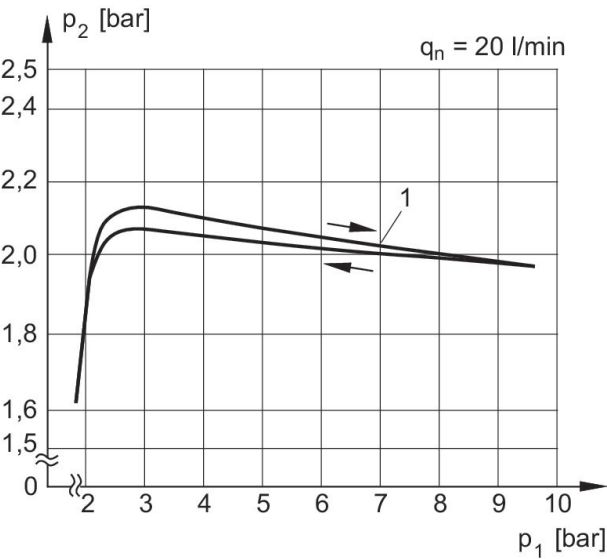
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	fully automatic, closed without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014654

Dimensions in mm



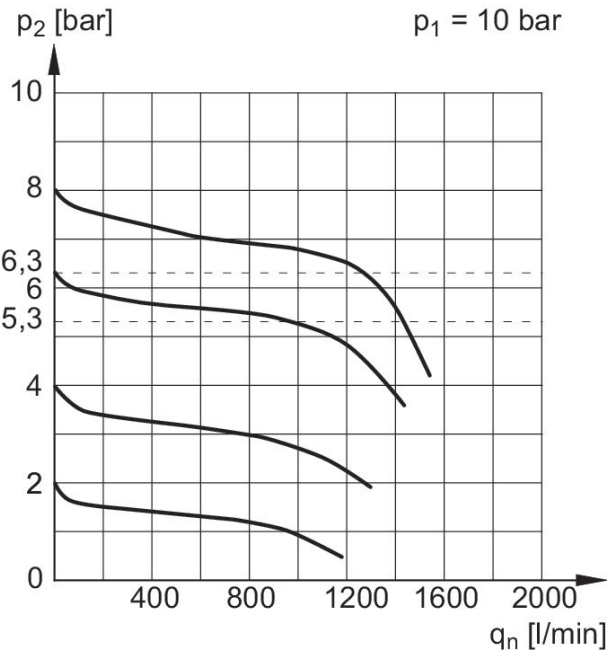
- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

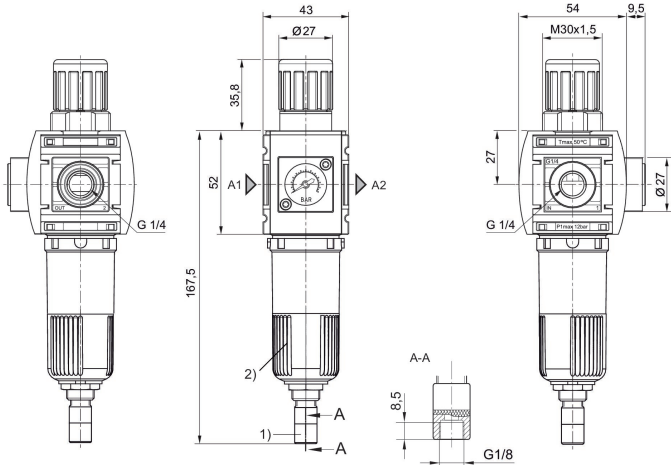
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5		reservoir, polycarbonate, without protective guard	0.5	10	R412014656
	G 1/4	1000	5	fully automatic, closed without pressure	reservoir, polycarbonate, without protective guard	0.5	10	R412014657

R412014656

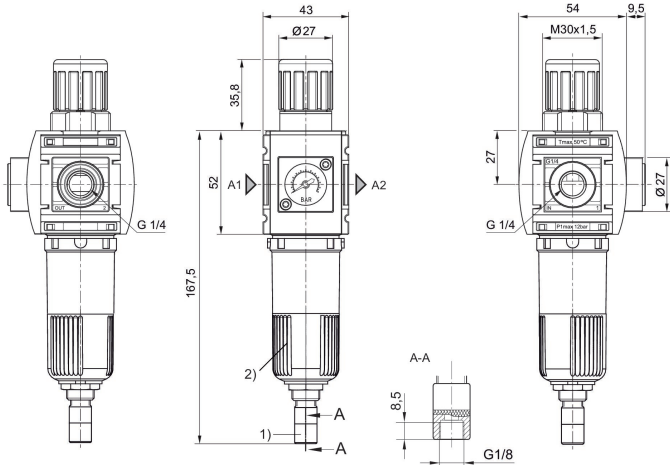
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

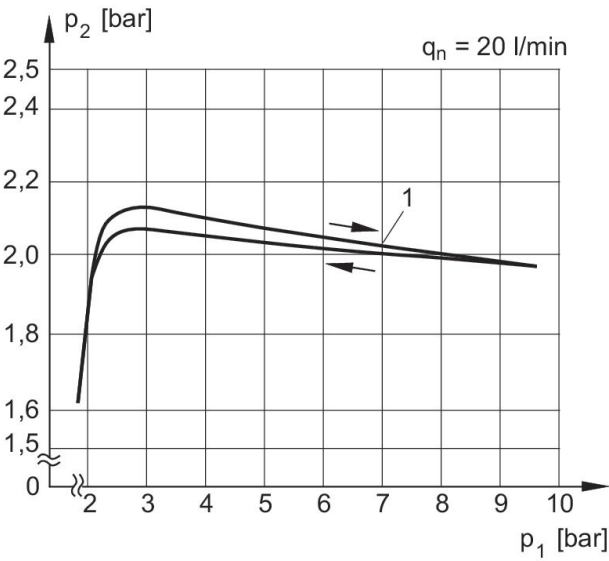
R412014657

Dimensions in mm



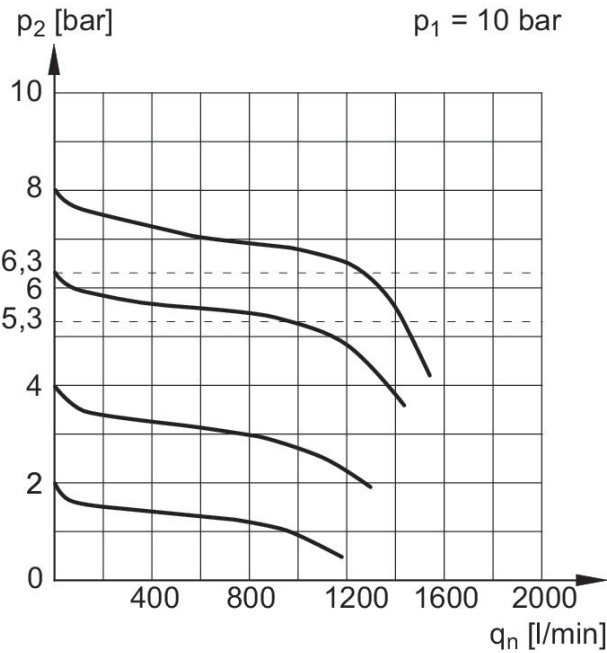
- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

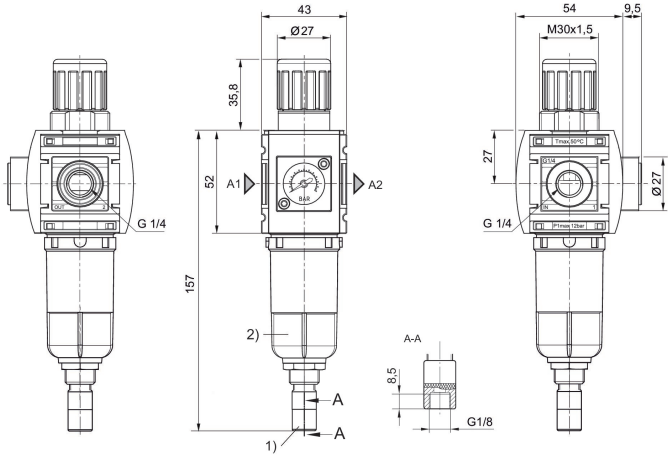
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation [bar]	Max. regulation [bar]	Part No.
	G 1/4	1000	5	fully automatic, open without pressure	Metal reservoir without window	0.5	10	R412014660
	G 1/4	1000	5	fully automatic, closed without pressure	Metal reservoir without window	0.5	10	R412014661

R412014660

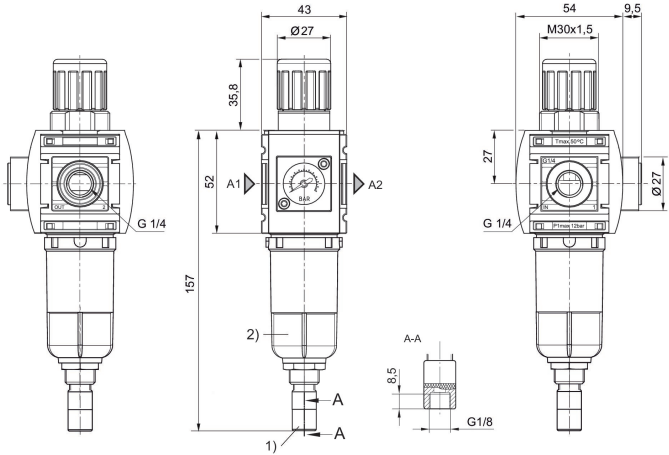
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

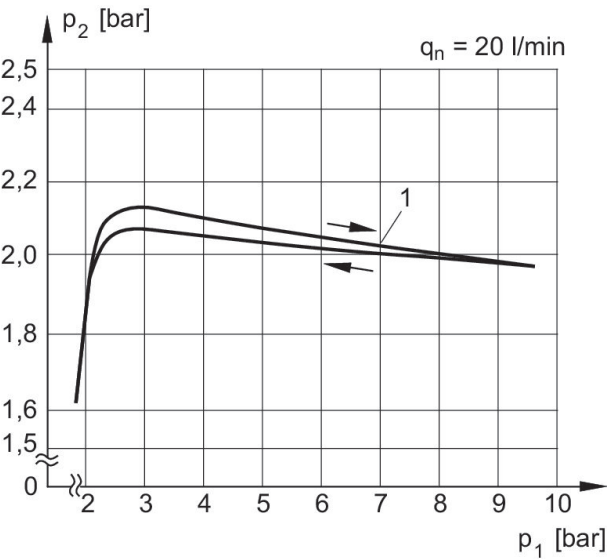
R412014661

Dimensions in mm



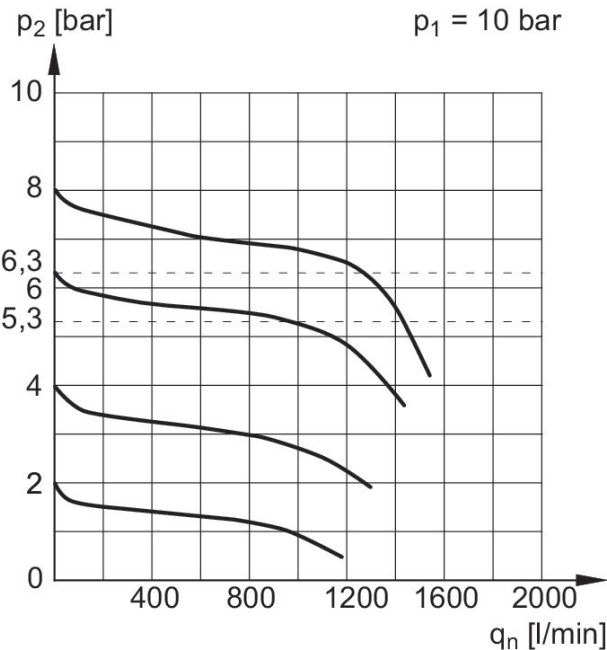
- 1) Fully automatic condensate drain
2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

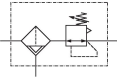


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

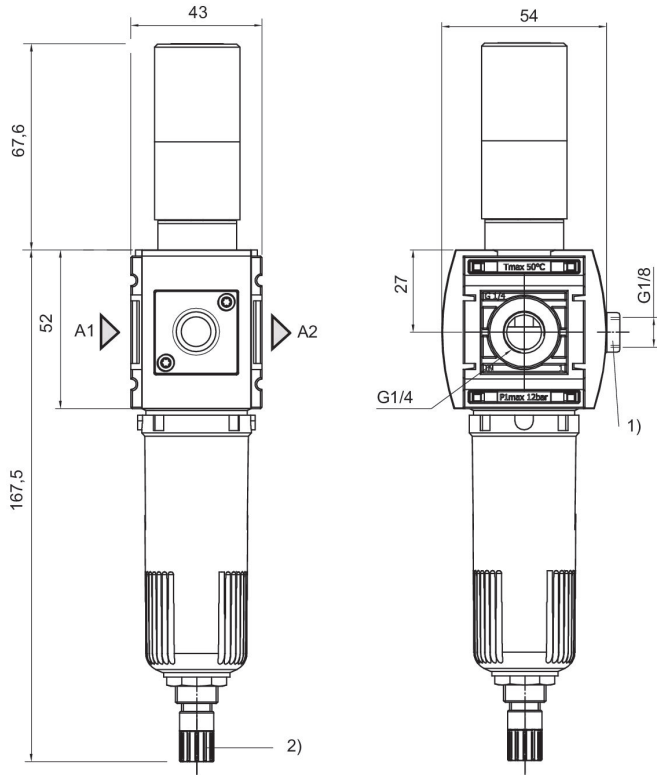
Filter pressure regulator, Series AS1-FRE-...-E11

Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



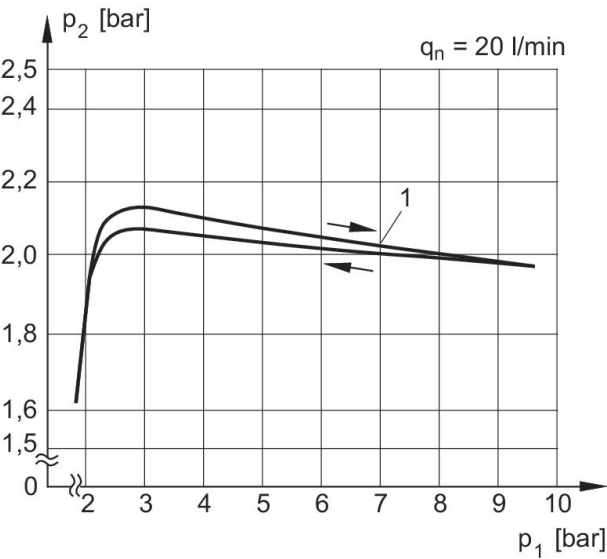
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	fully automatic, closed without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412010650

Dimensions in mm



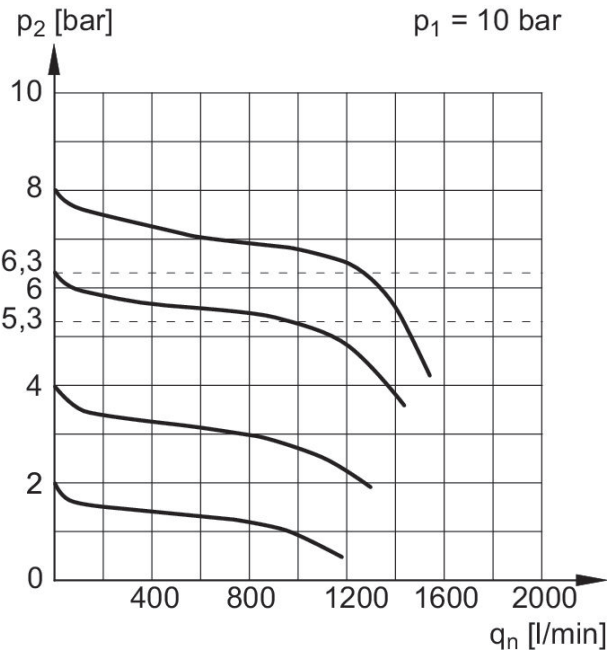
A1 = input
A2 = output
1) Adapter
2) Fully automatic condensate drain
Order pressure gauge separately

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

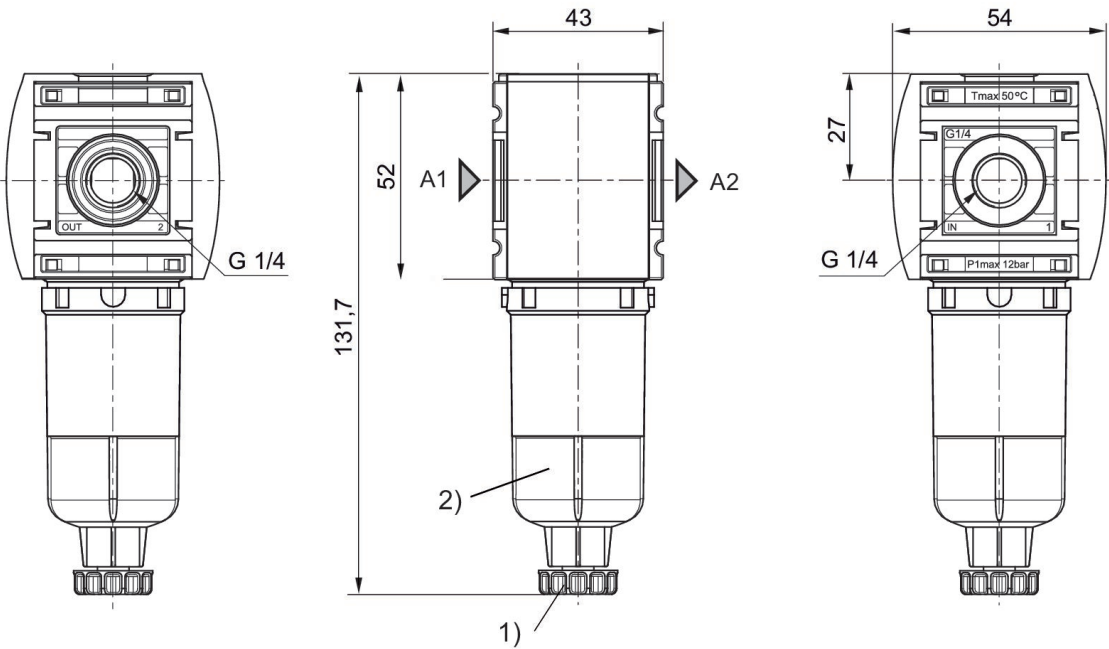
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



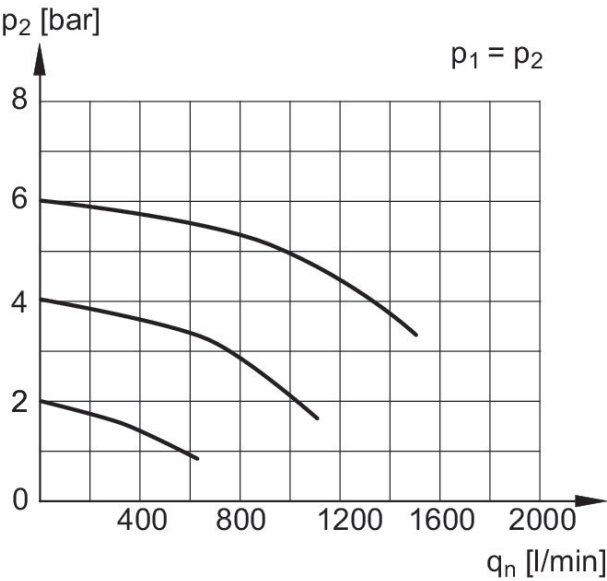
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	left	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014600

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Standard filter, Series AS1-FLS

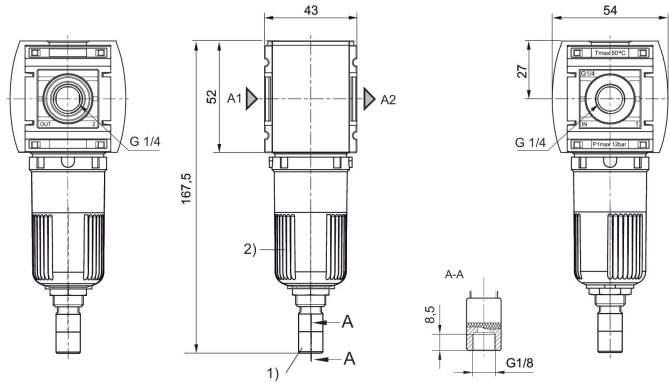
Flow Flow: 1000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	left	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014601
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	left	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014602

R412014601

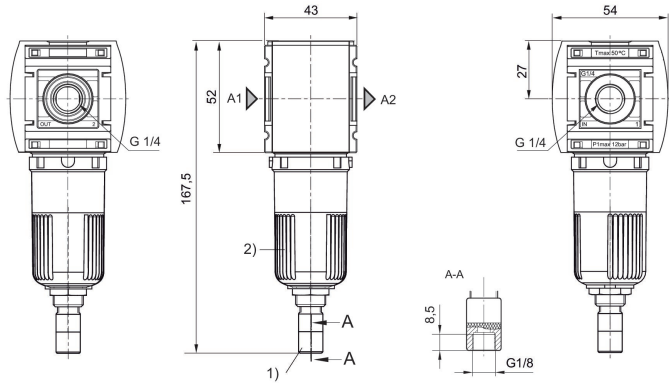
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

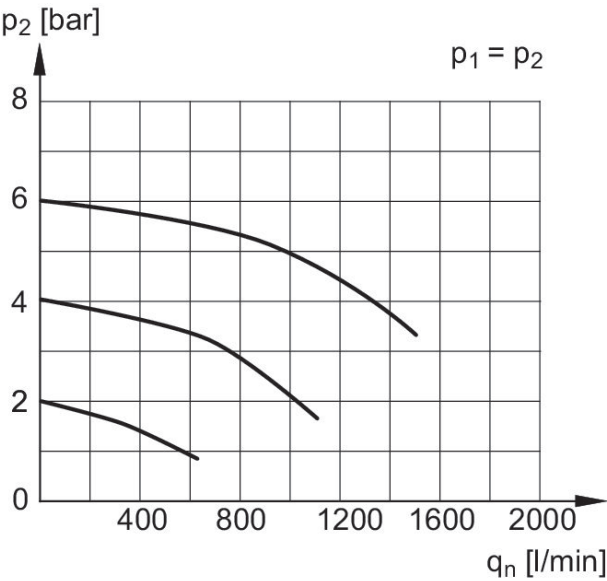
R412014602

Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

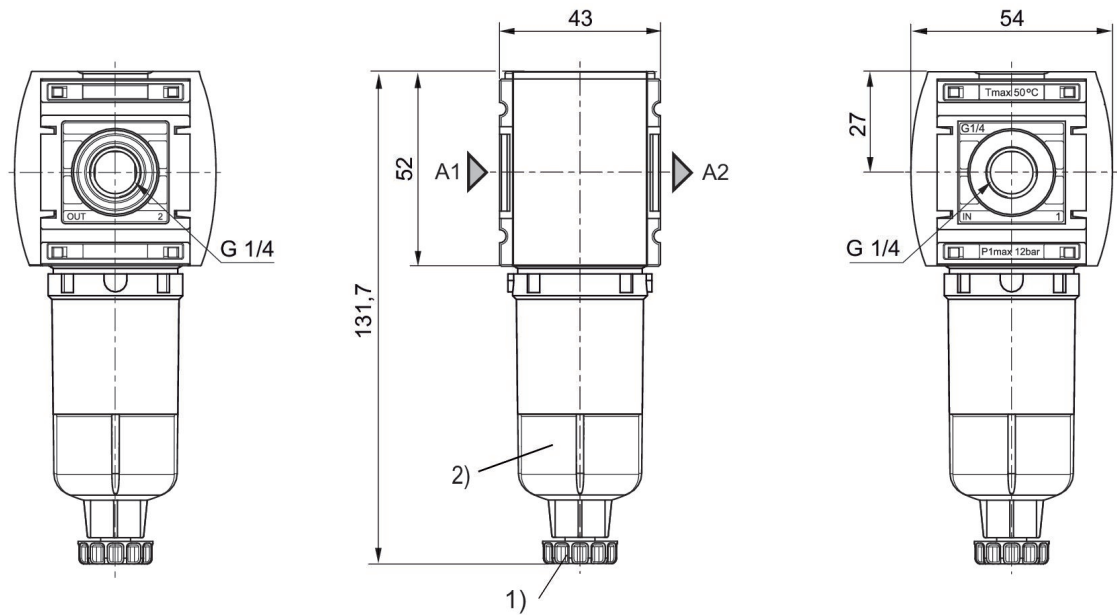
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



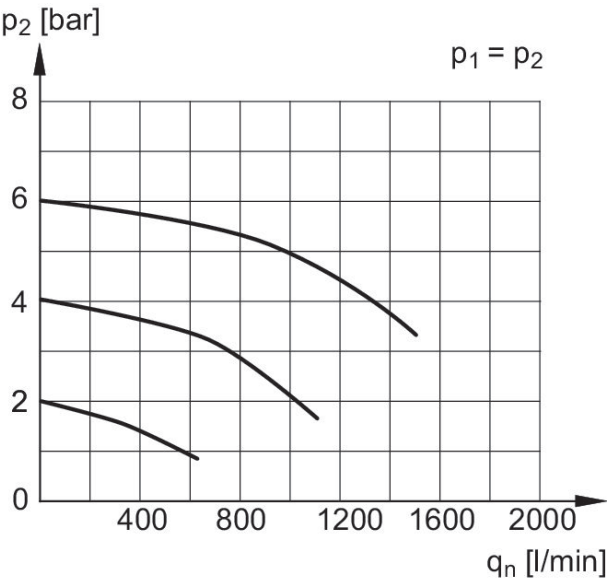
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	left	reservoir, polycarbonate, with metal protective guard	Cellpor	R412014603

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

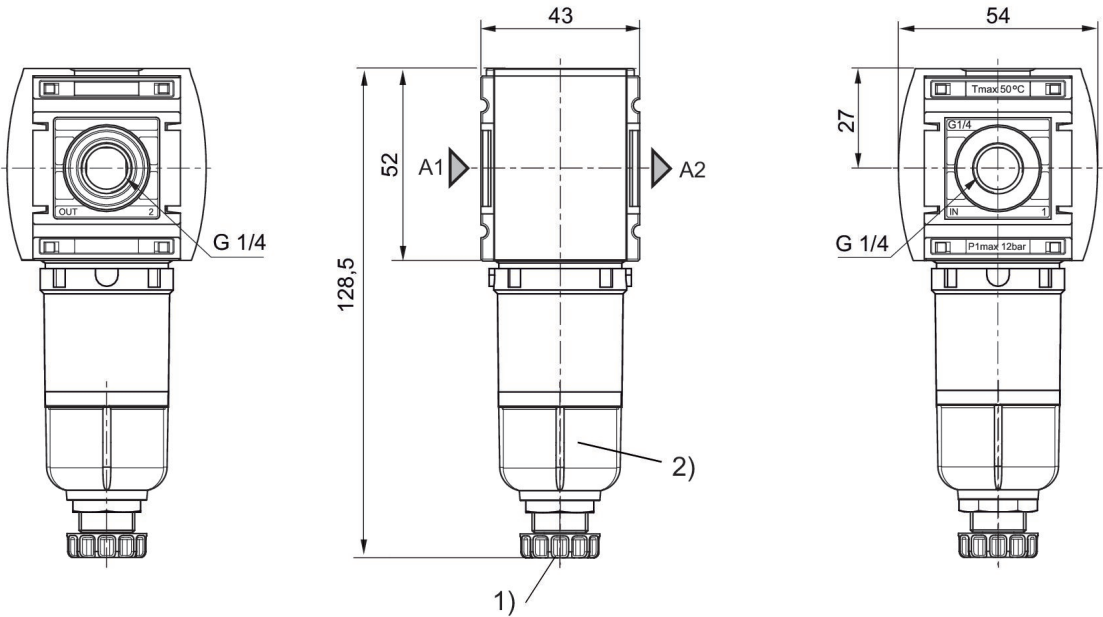
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



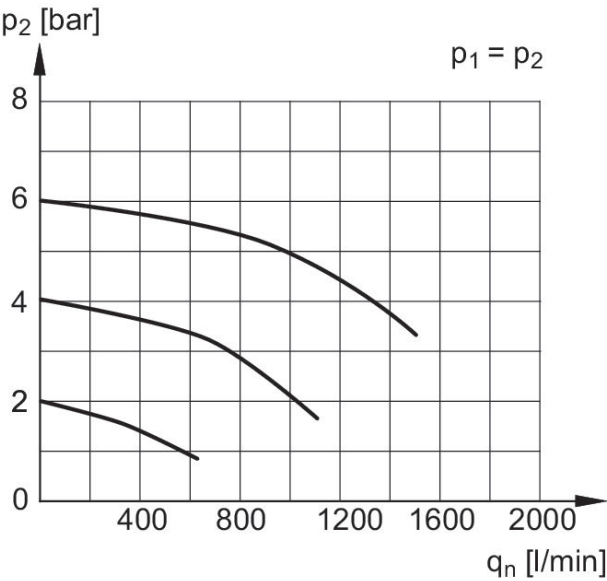
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	left	Metal reservoir without window	Cellpor	R412014604

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Standard filter, Series AS1-FLS

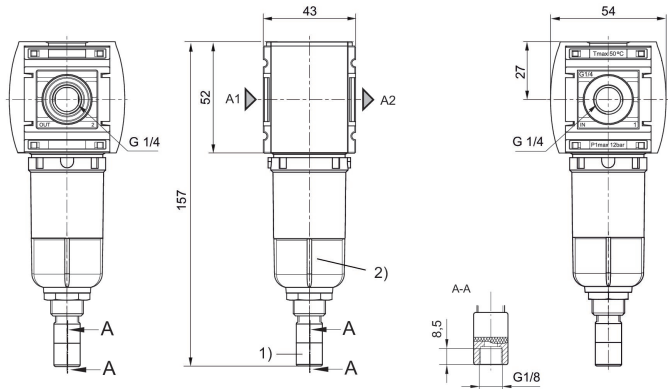
Flow Flow: 1000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	fully automatic, open without pressure	left	Metal reservoir without window	Cellpor	R412014605
	G 1/4	1000	5	fully automatic, closed without pressure	left	Metal reservoir without window	Cellpor	R412014606

R412014605

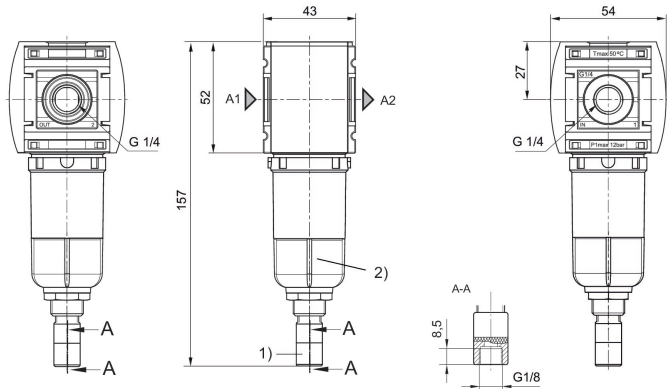
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

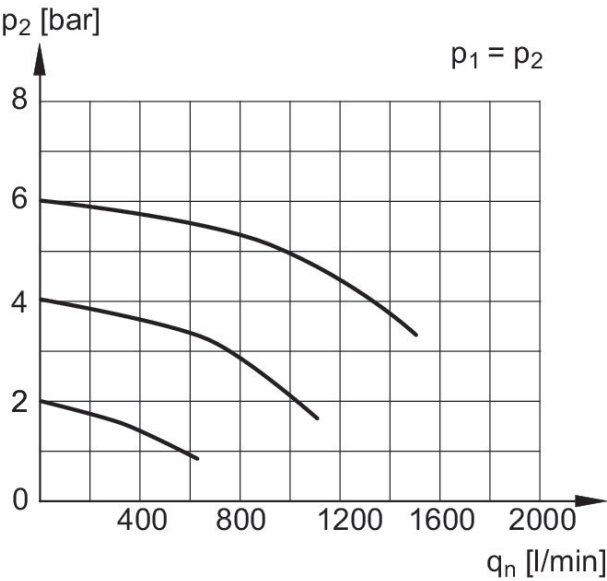
R412014606

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

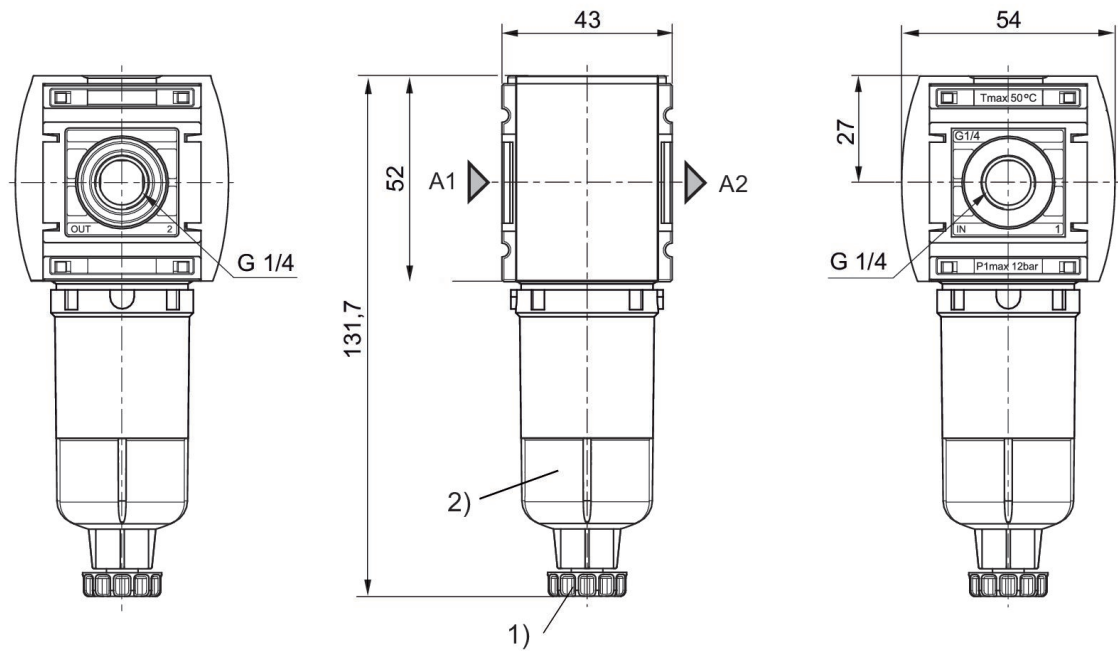
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



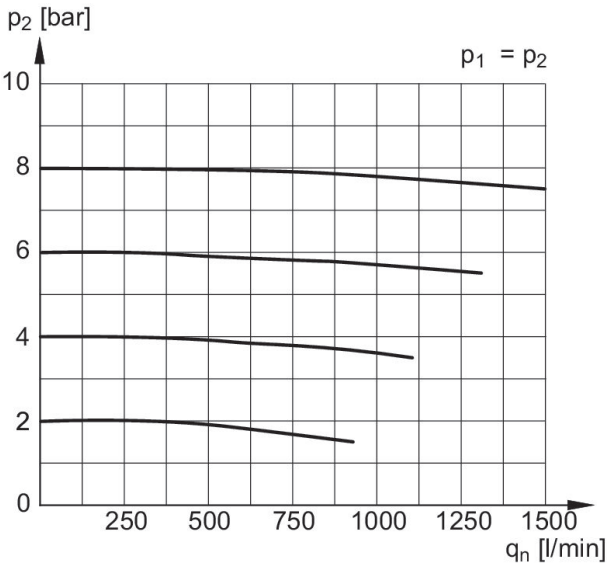
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-automatic, open without pressure	left	reservoir, polycarbonate, without protective guard	Impregnated paper	R412014607

Dimensions in mm



- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

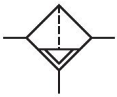


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

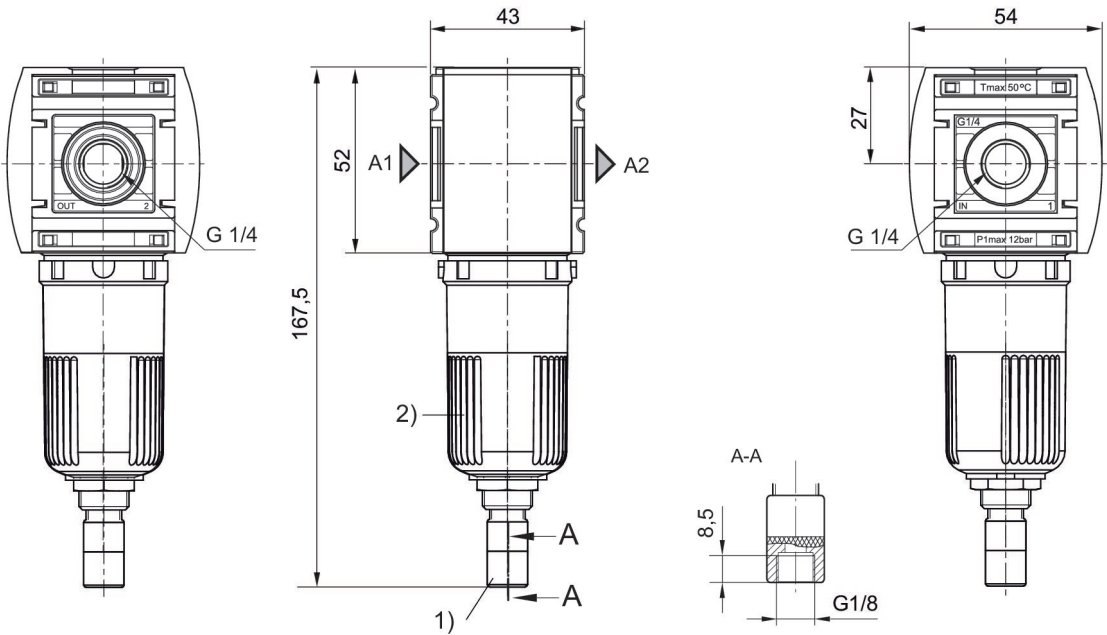
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: fully automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



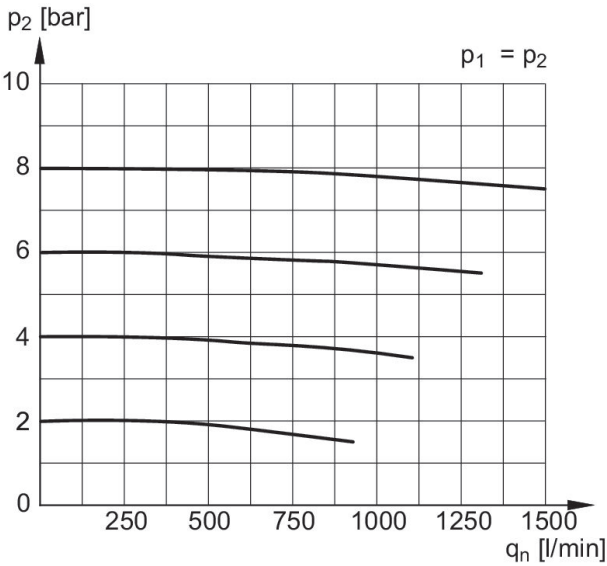
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully automat- ic, open with- out pressure	left	reservoir, polycarbon- ate, without protective guard	Impregnated paper	R412014608

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

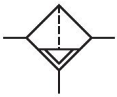


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

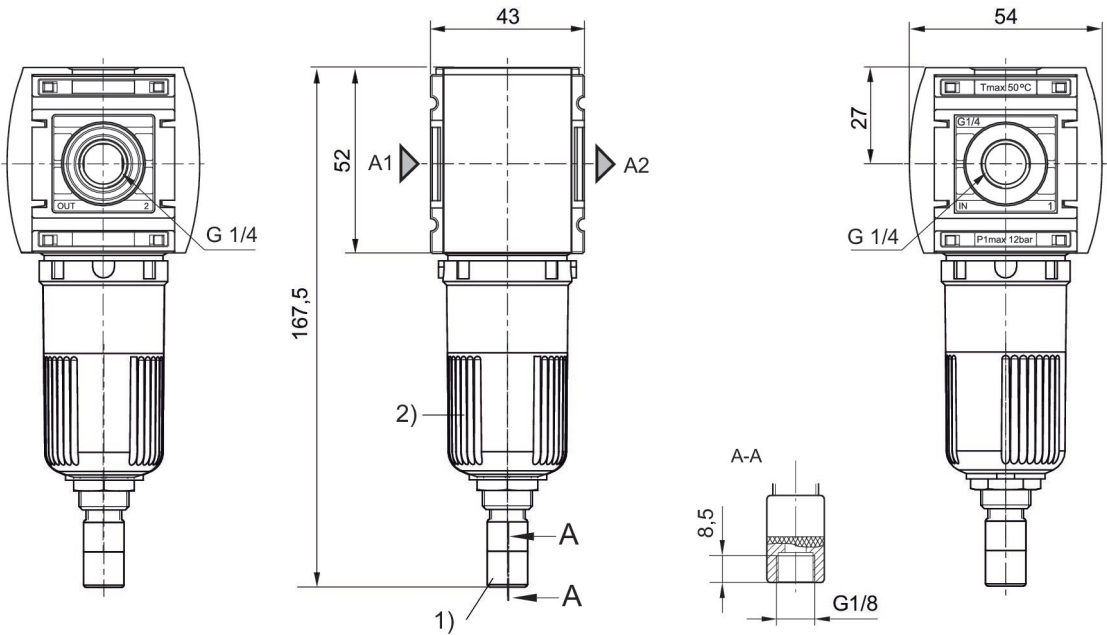
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: fully automatic, closed without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



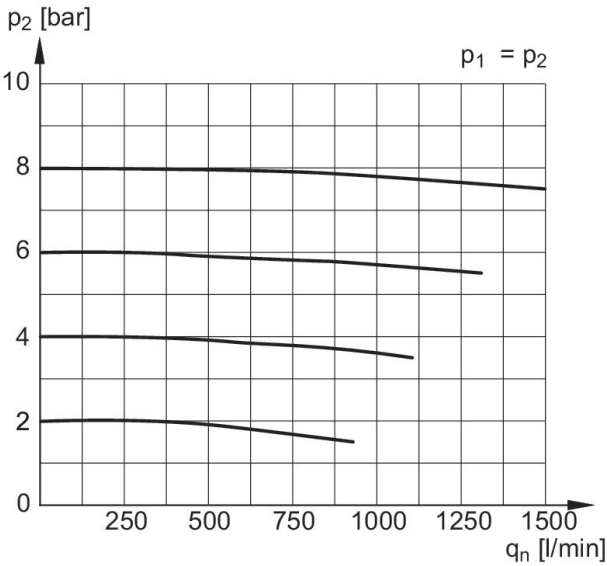
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully auto- matic, closed without pres- sure	left	reservoir, polycarbon- ate, without protective guard	Impregnated paper	R412014609

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

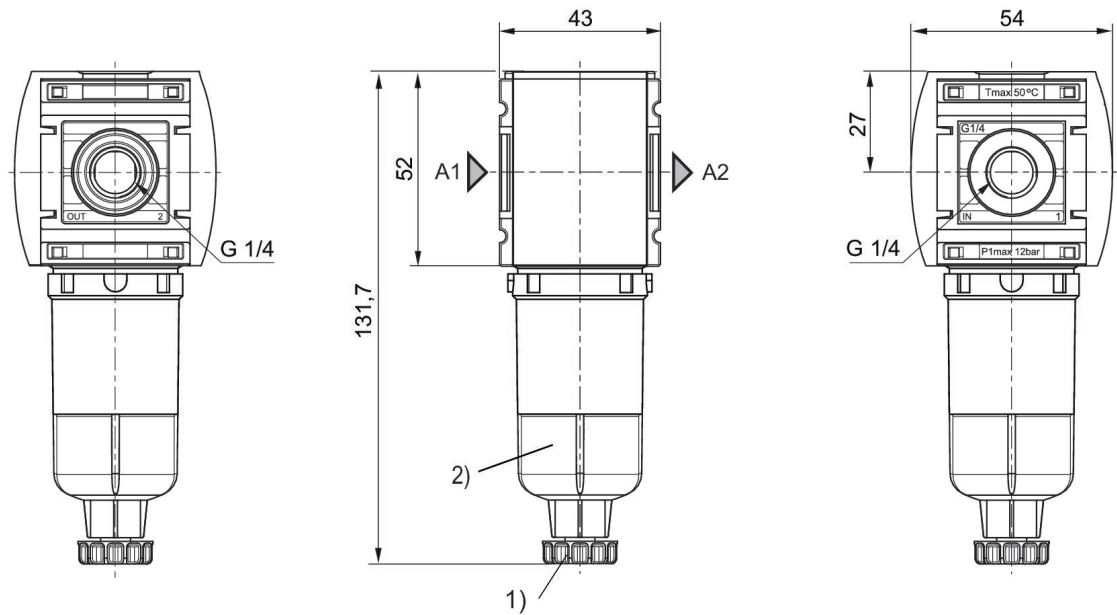
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



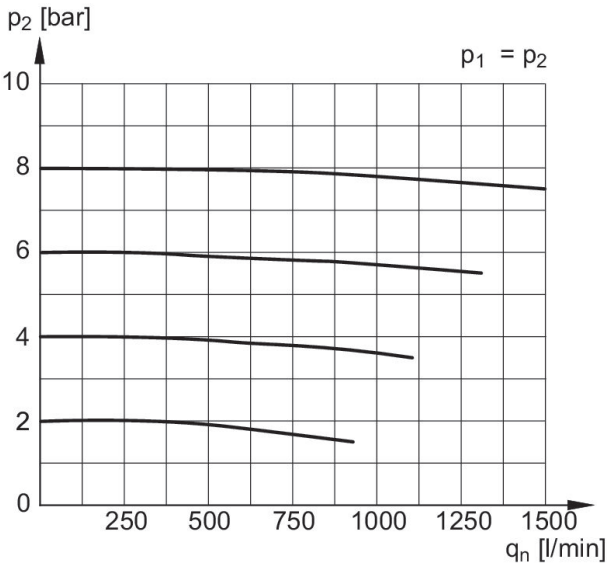
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-auto- matic, open without pres- sure	left	reservoir, polycarbon- ate, with met- al protective guard	Impregnated paper	R412014610

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar

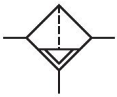


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

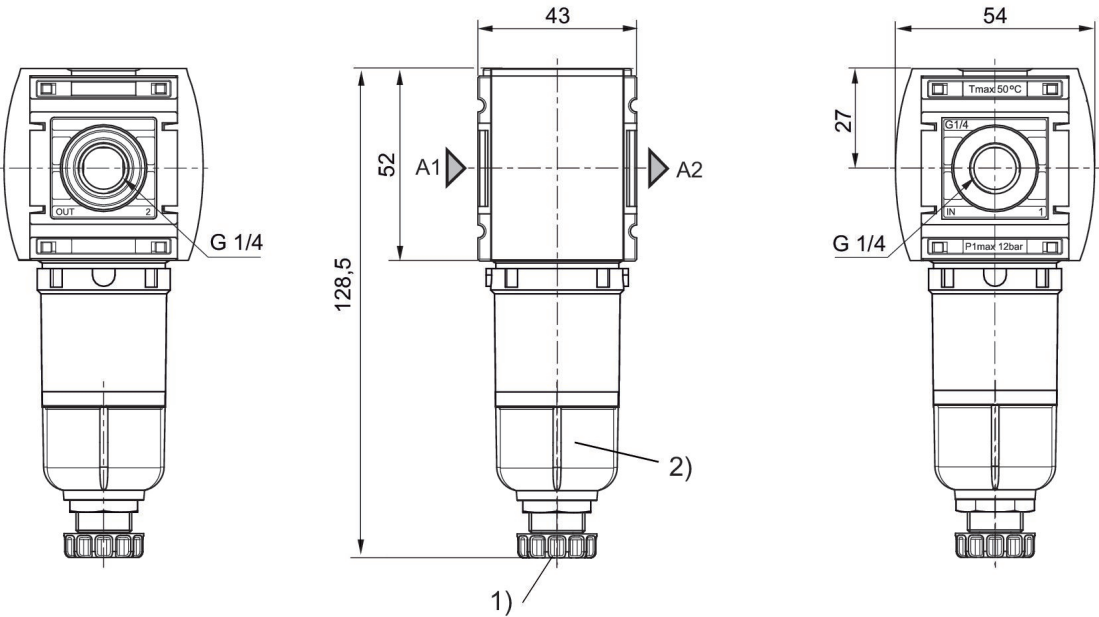
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



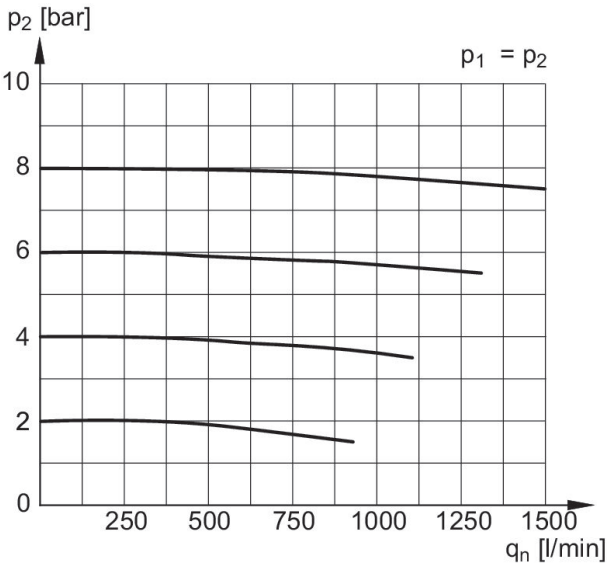
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-auto- matic, open without pres- sure	left	Metal reser- voir without window	Impregnated paper	R412014611

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

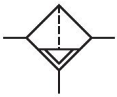


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

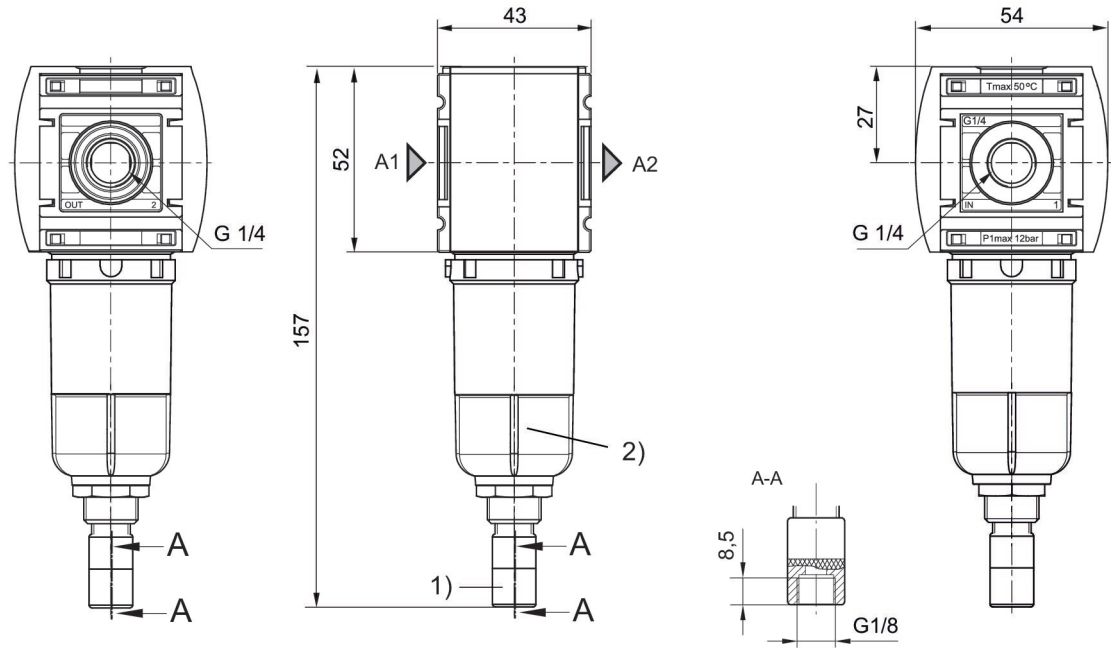
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: fully automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



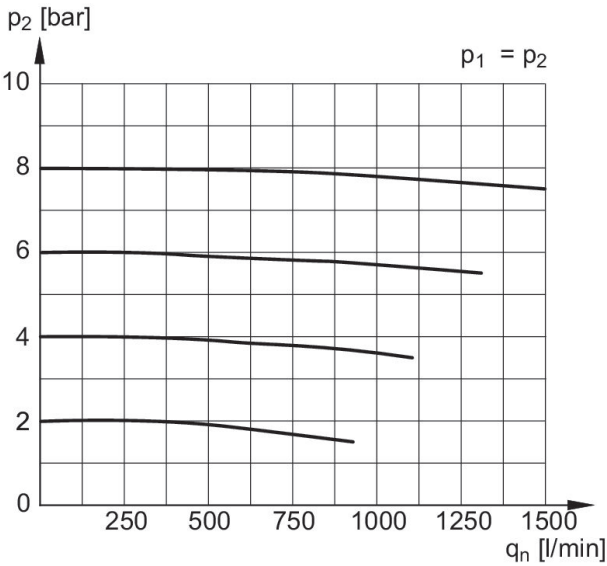
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully automatic, open without pressure	left	Metal reservoir without window	Impregnated paper	R412014612

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

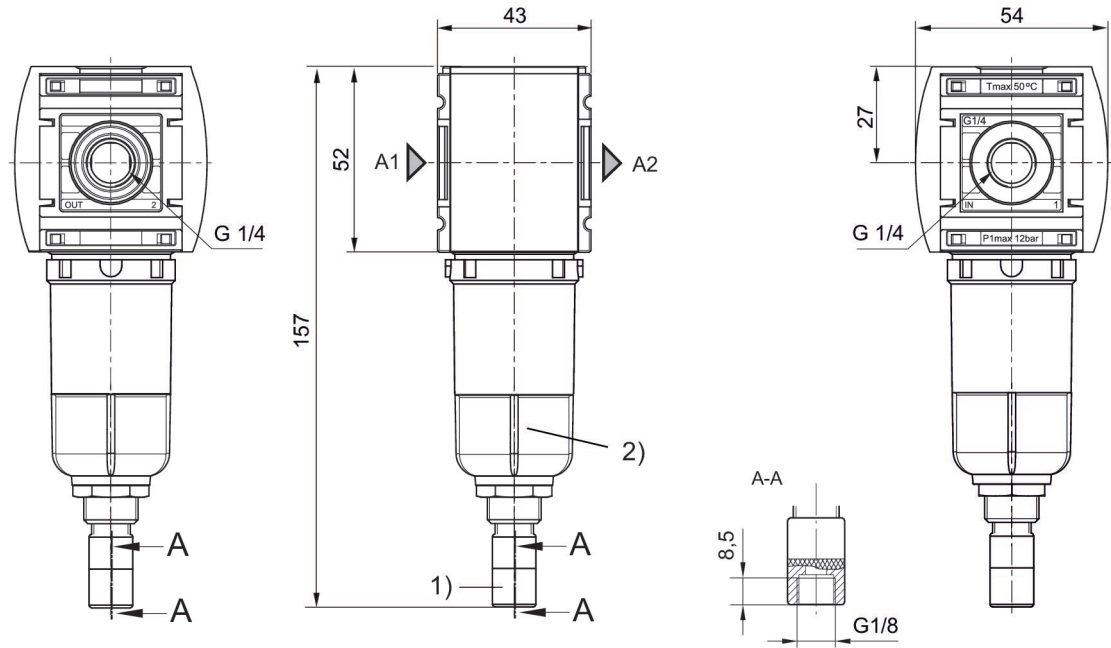
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: fully automatic, closed without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



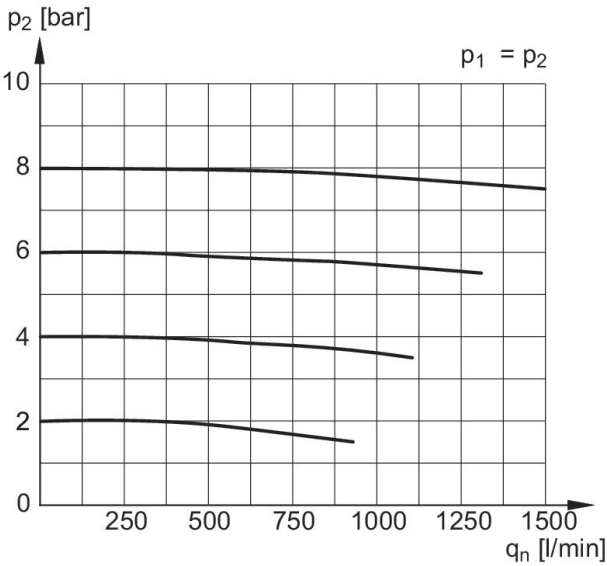
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully auto- matic, closed without pres- sure	left	Metal reser- voir without window	Impregnated paper	R412014613

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

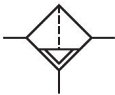


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

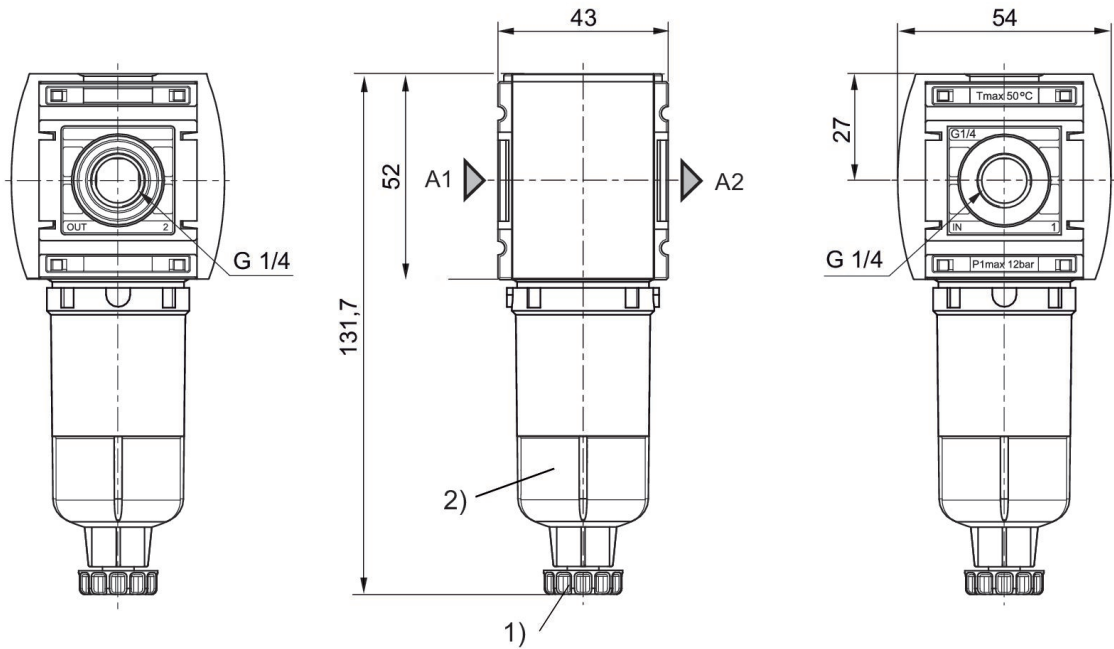
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



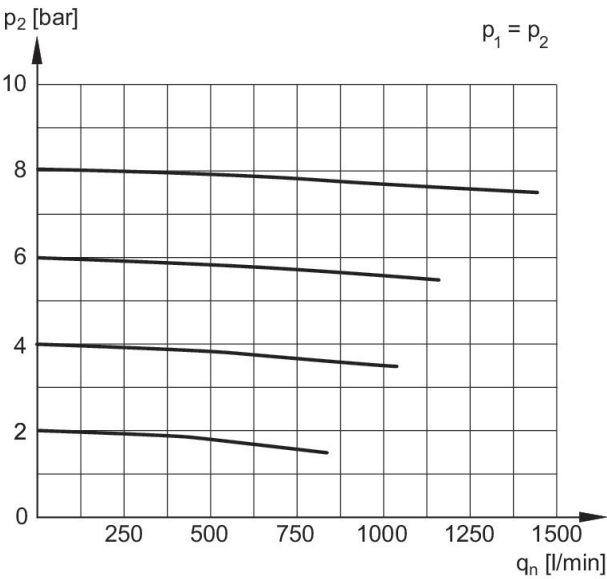
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-auto- matic, open without pres- sure	left	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014614

Dimensions in mm



- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar

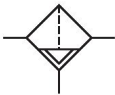


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

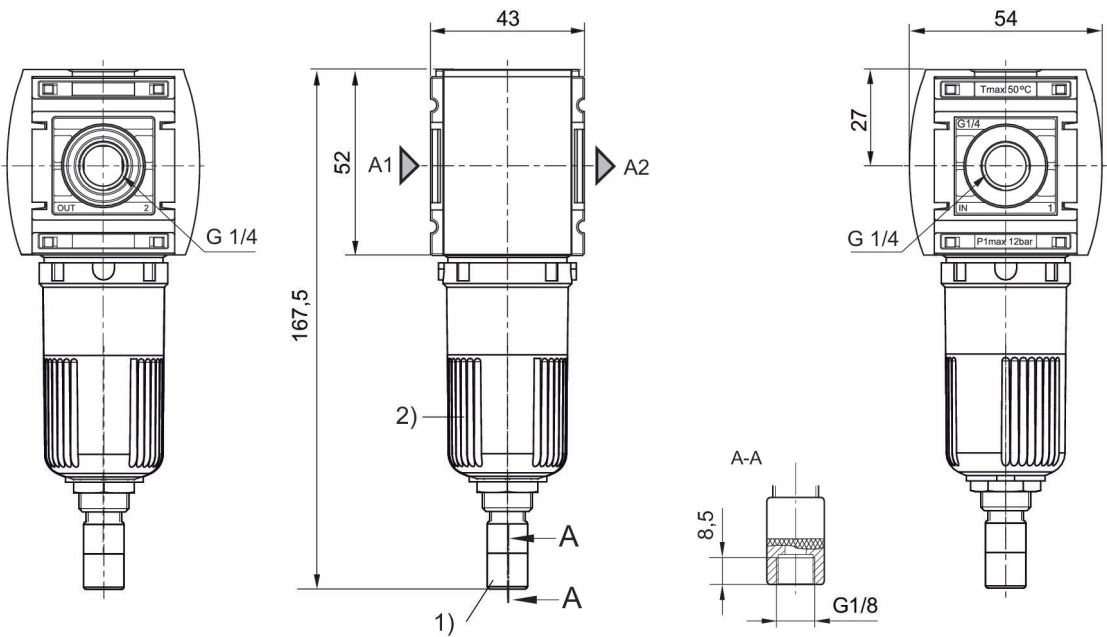
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: fully automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



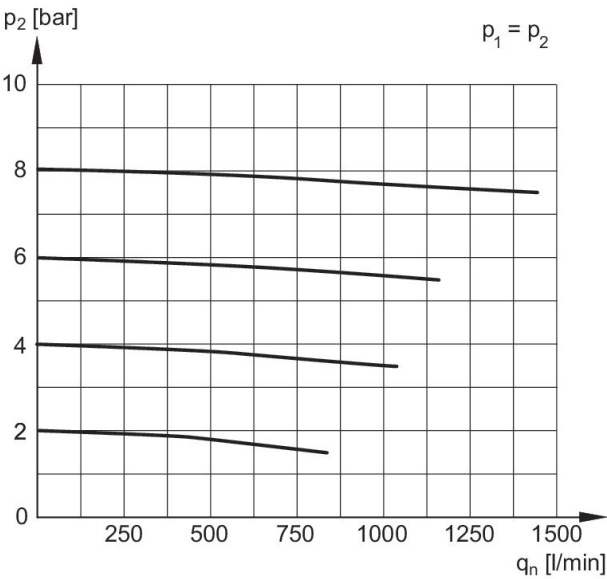
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully automat- ic, open with- out pressure	left	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014615

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar

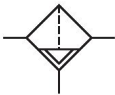


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

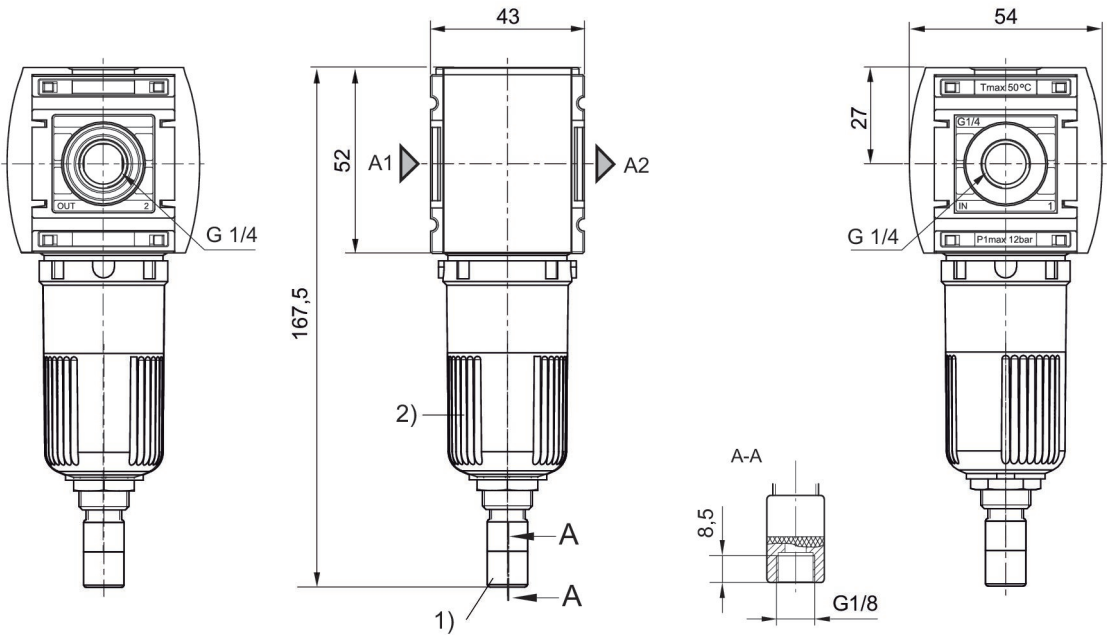
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: fully automatic, closed without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



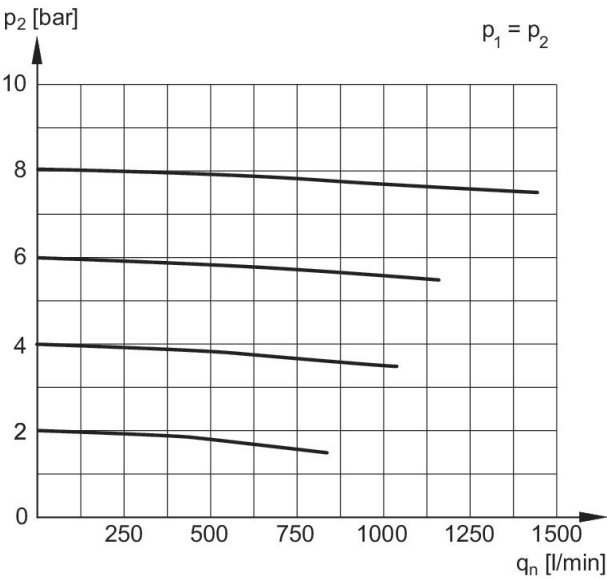
	Port	Nominal flow [l/min]	Filter porosity [μm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully auto- matic, closed without pres- sure	left	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014616

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar



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

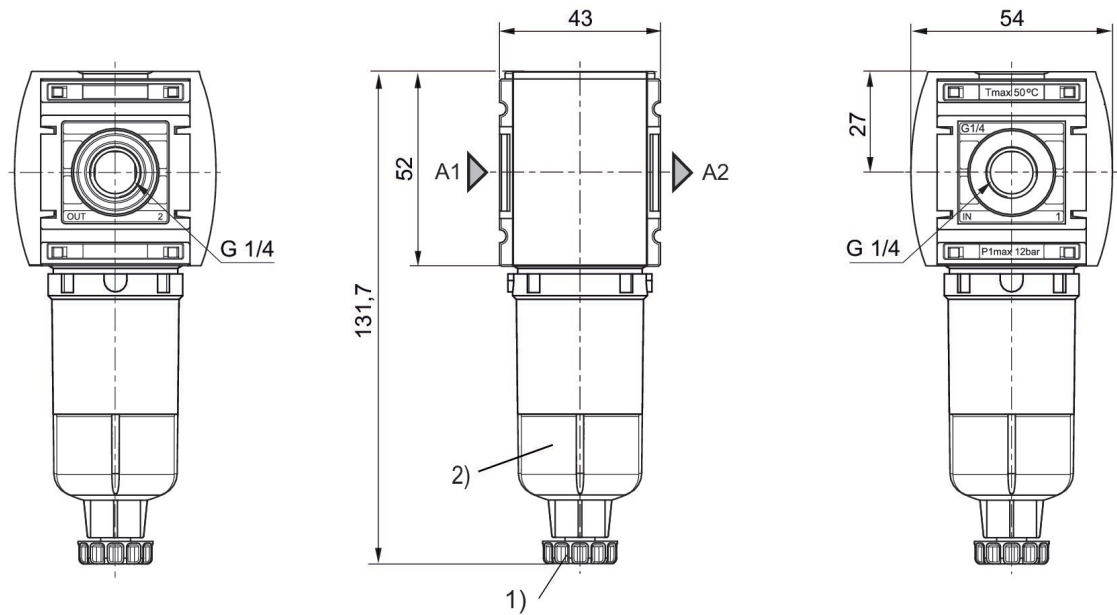
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



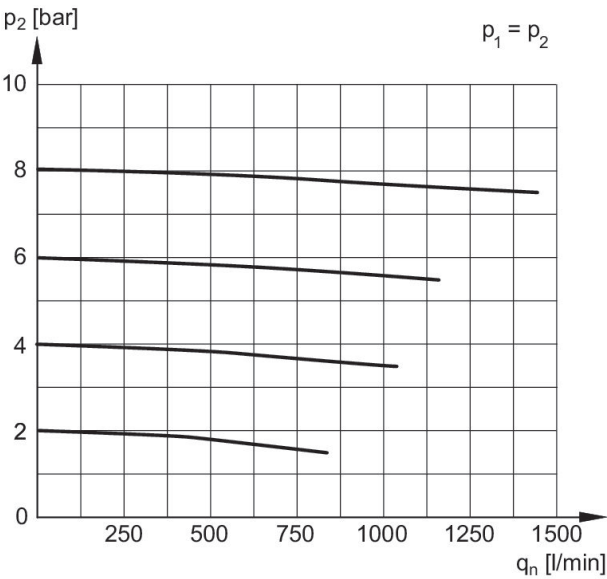
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-automatic, open without pressure	left	reservoir, polycarbonate, with metal protective guard	Borosilicate aluminum	R412014617

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar



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

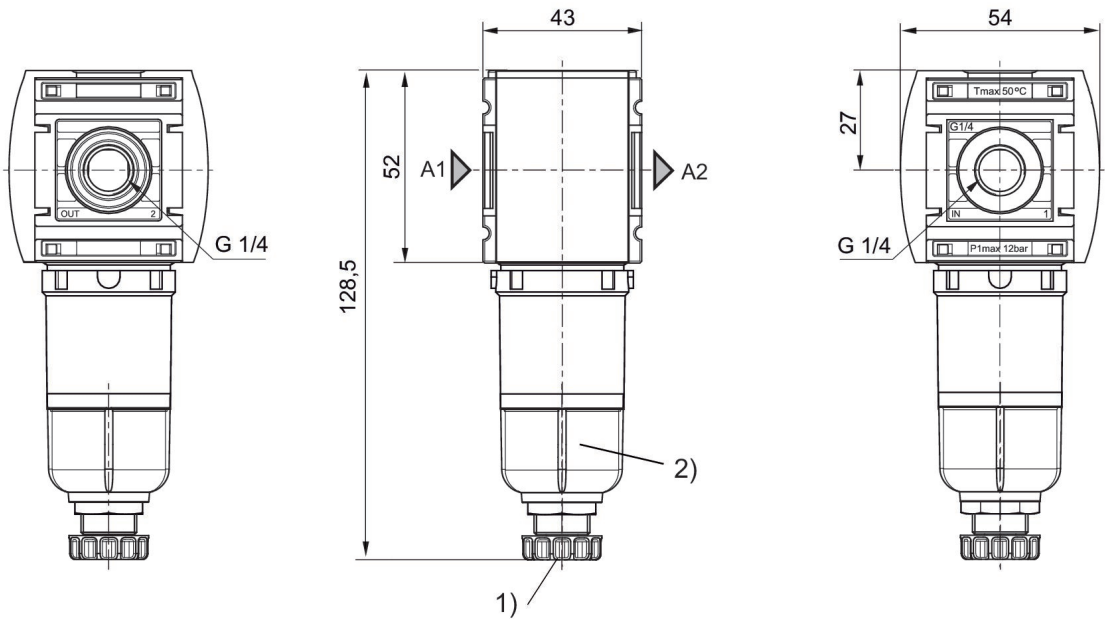
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



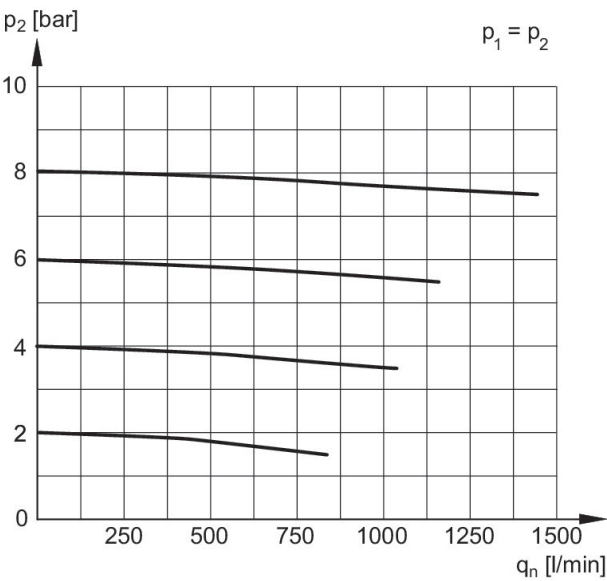
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-automatic, open without pressure	left	Metal reservoir without window	Borosilicate aluminum	R412014618

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar



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

Microfilter, Series AS1-FLC

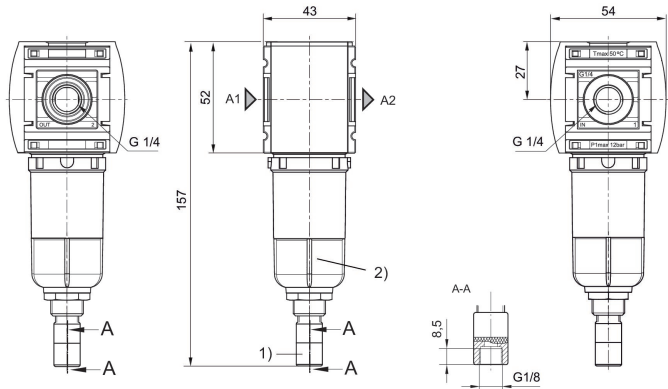
Flow Flow: 350 l/min
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully automatic, open without pressure	left	Metal reservoir without window	Borosilicate aluminum	R412014619
	G 1/4	350	0.01	fully automatic, closed without pressure	left	Metal reservoir without window	Borosilicate aluminum	R412014620

R412014619

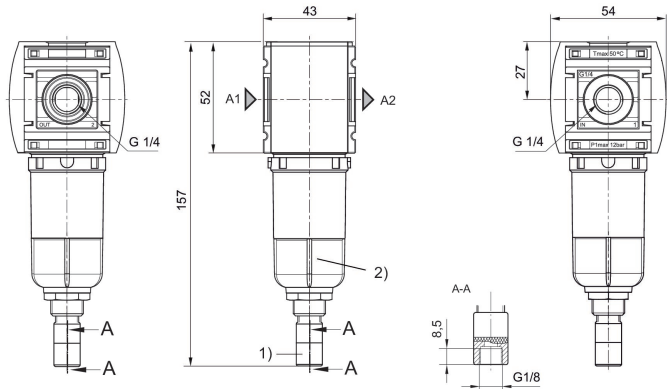
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: metal

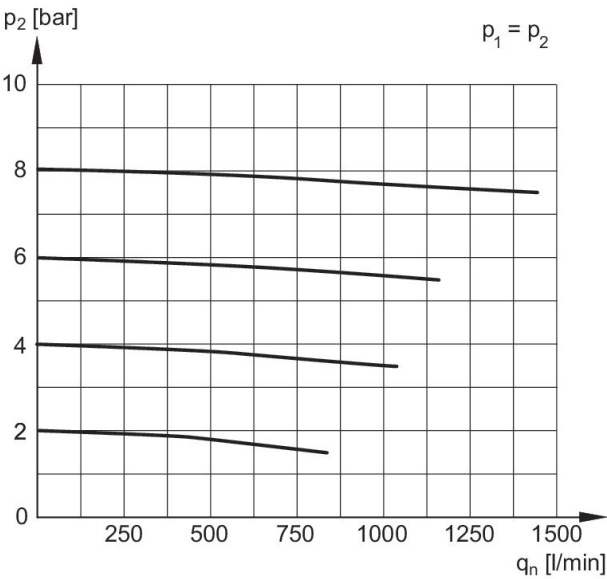
R412014620

Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar

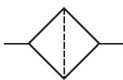


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

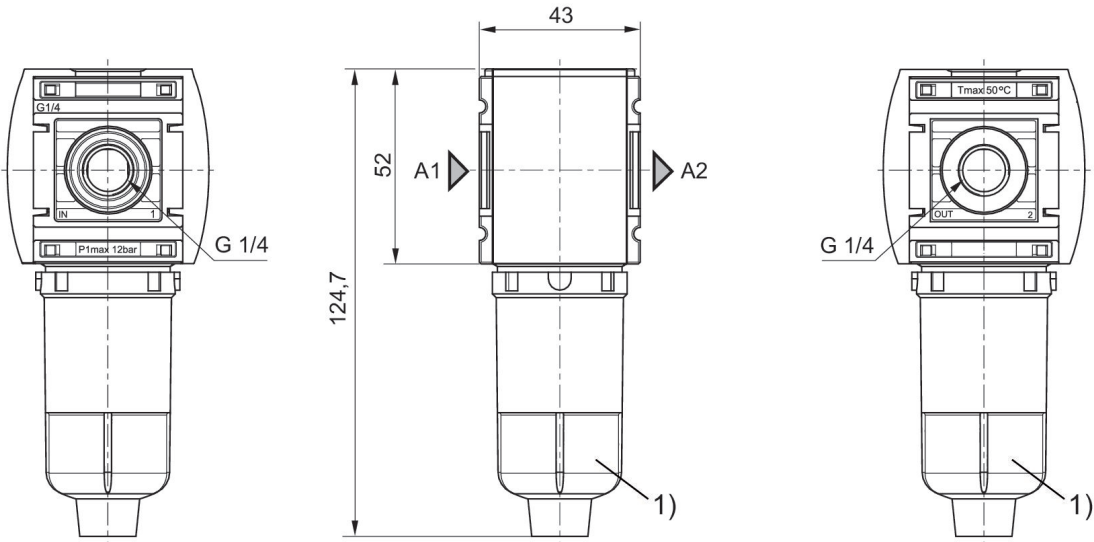
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



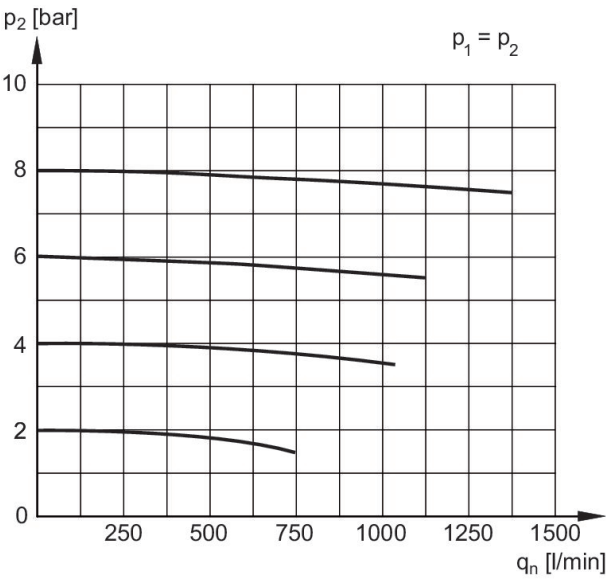
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	left	reservoir, polycarbonate, without protective guard	Active carbon	R412014621

Dimensions in mm



1) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

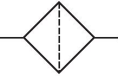


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

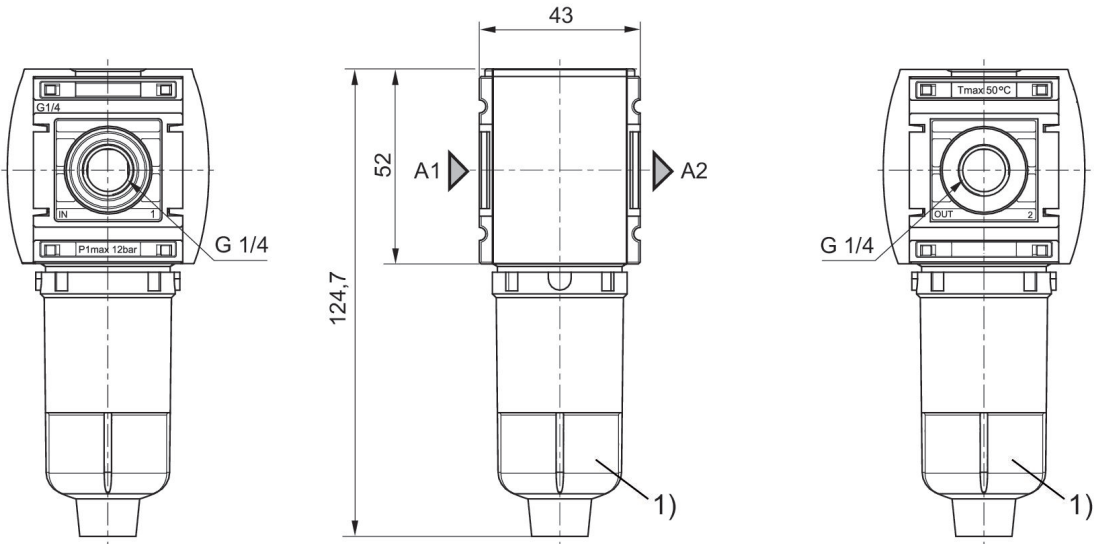
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



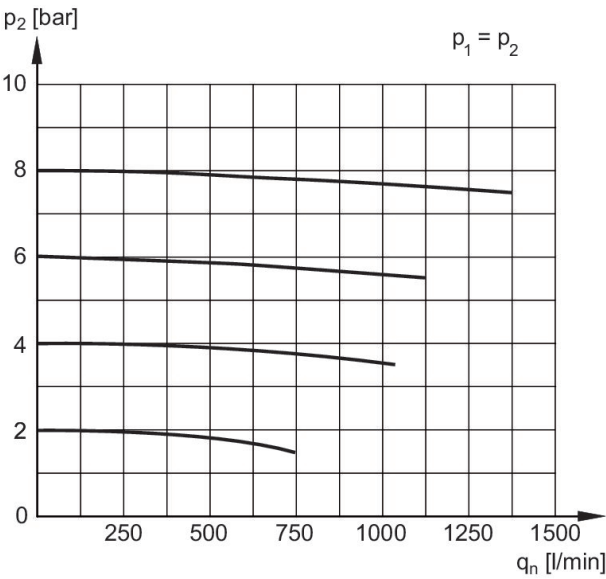
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	left	reservoir, polycarbonate, with metal protective guard	Active carbon	R412014622

Dimensions in mm



1) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar



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

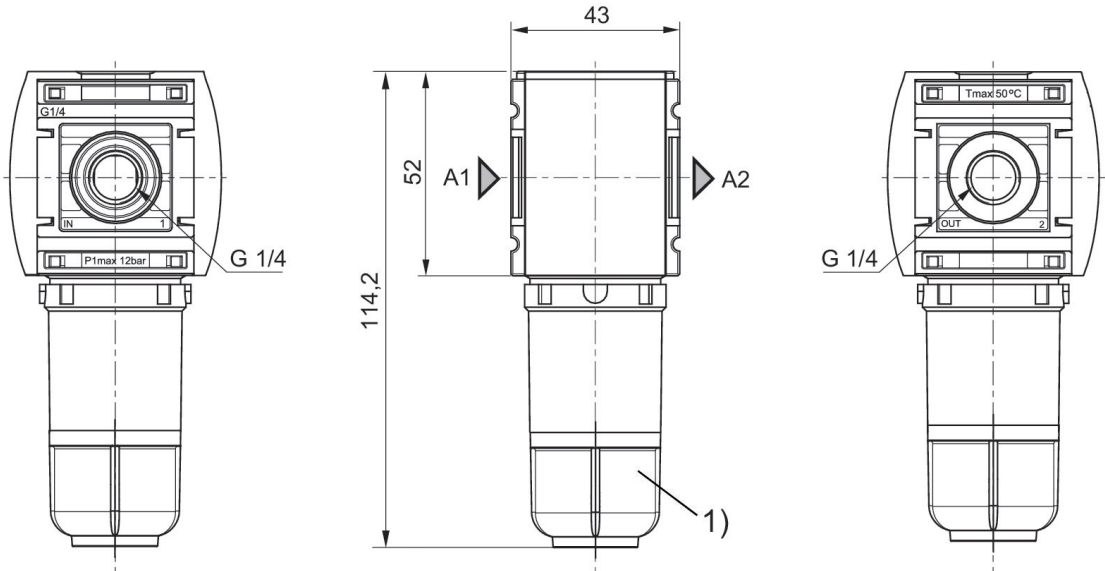
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



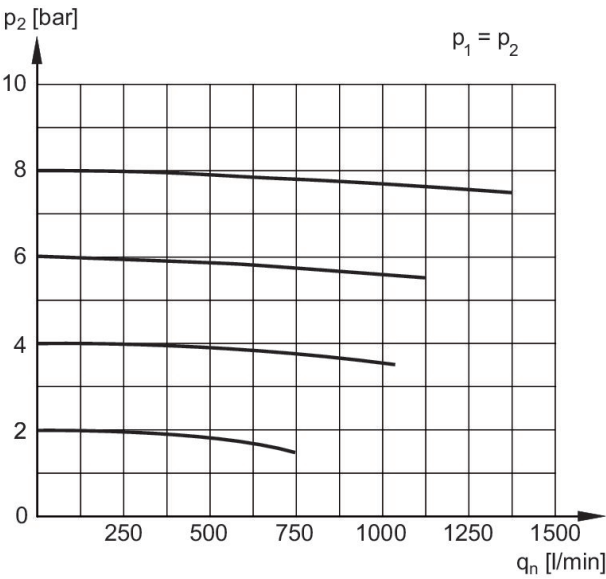
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	left	Metal reser- voir without window	Active carbon	R412014623

Dimensions in mm



A1 = input
A2 = output
1) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar



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

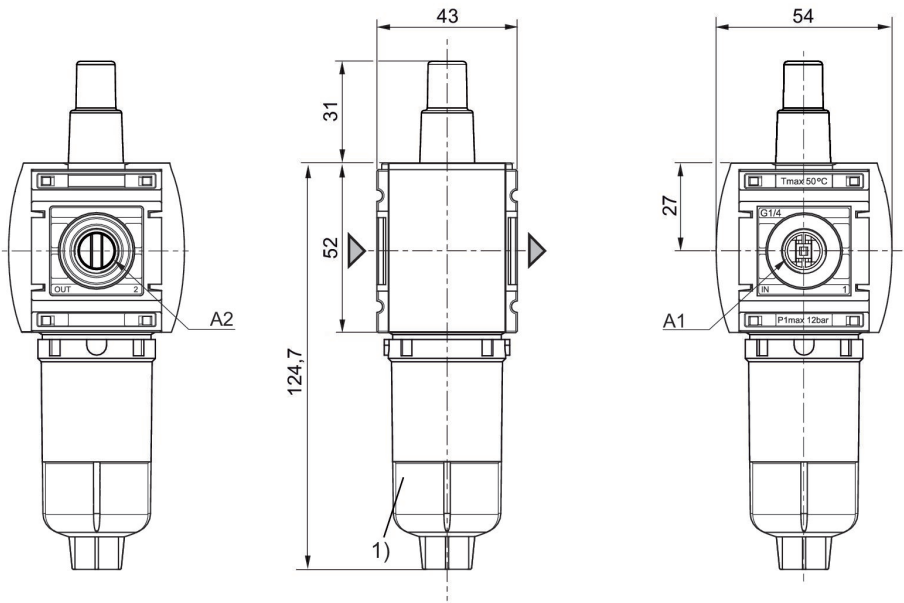
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



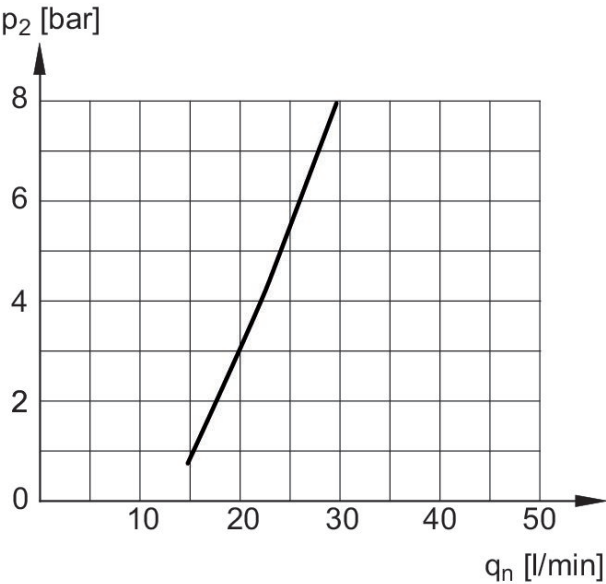
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	left	reservoir, polycarbon- ate, without protective guard	35	R412014624

Dimensions in mm



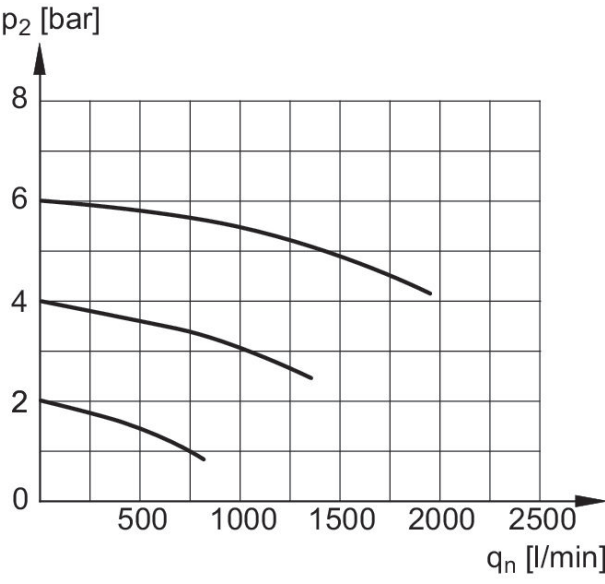
A1 = input
A2 = output
1) Reservoir: polycarbonate

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

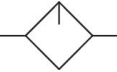


p_2 = Secondary pressure
 q_n = Nominal flow

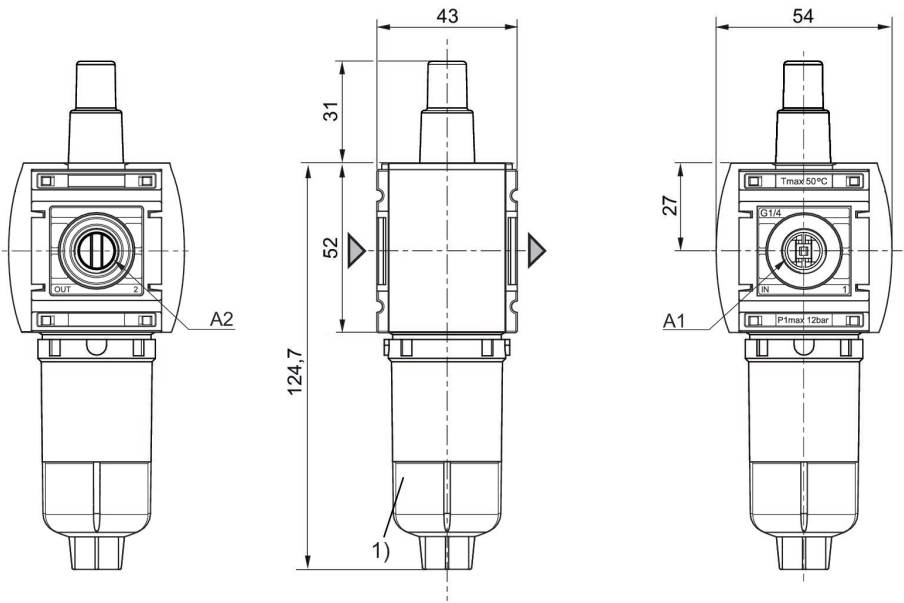
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



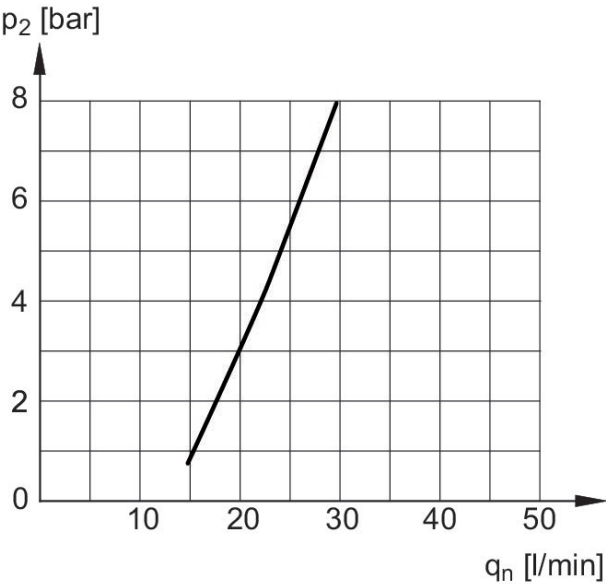
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	left	reservoir, polycarbon- ate, with met- al protective guard	35	R412014625

Dimensions in mm



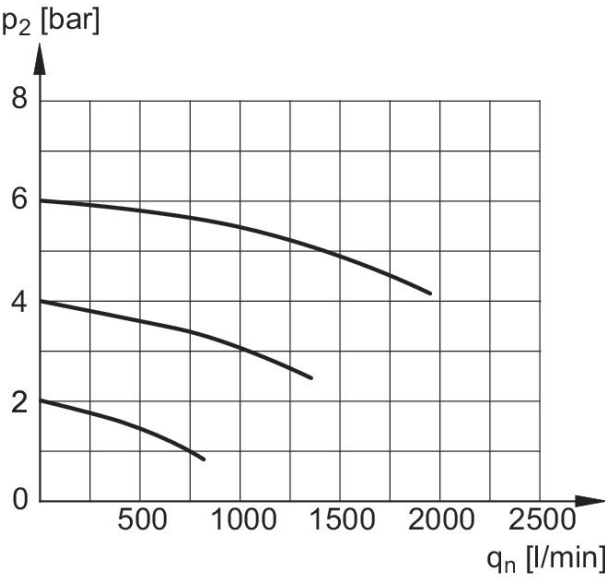
A1 = input
A2 = output
1) Reservoir: polycarbonate

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

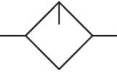


p_2 = Secondary pressure
 q_n = Nominal flow

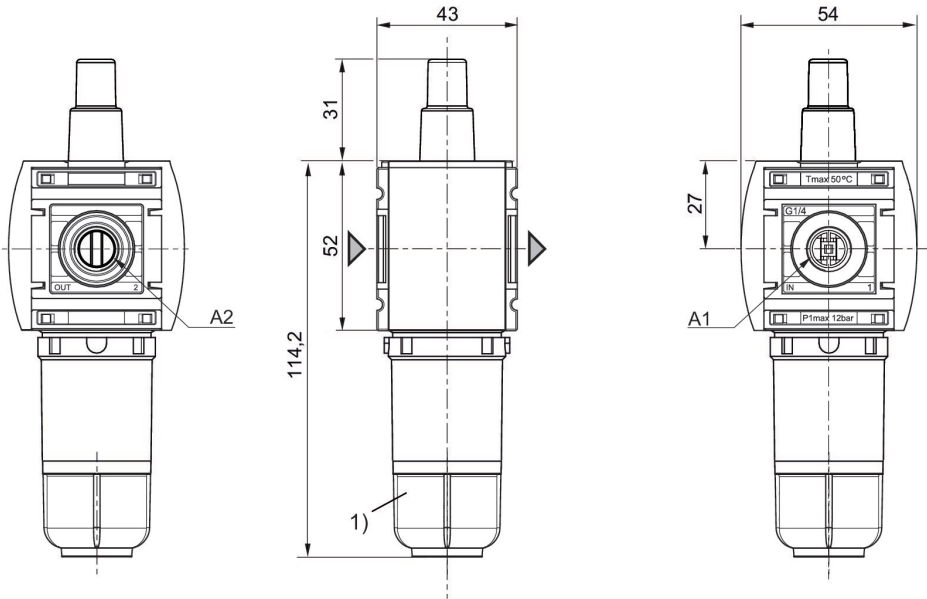
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



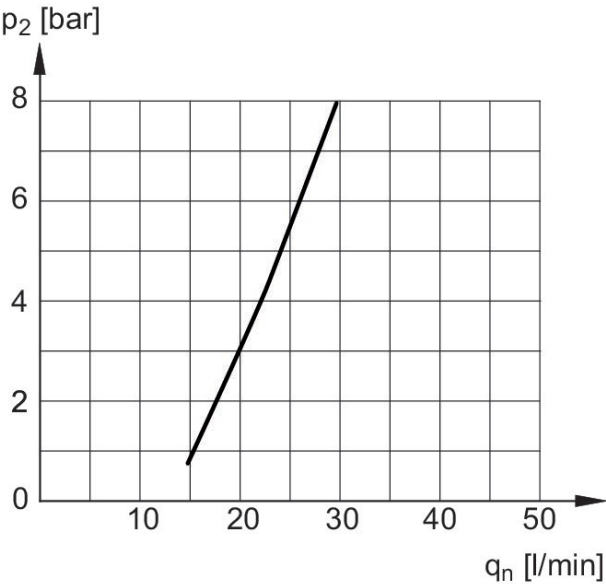
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	left	Metal reser- voir without window	35	R412014626

Dimensions in mm



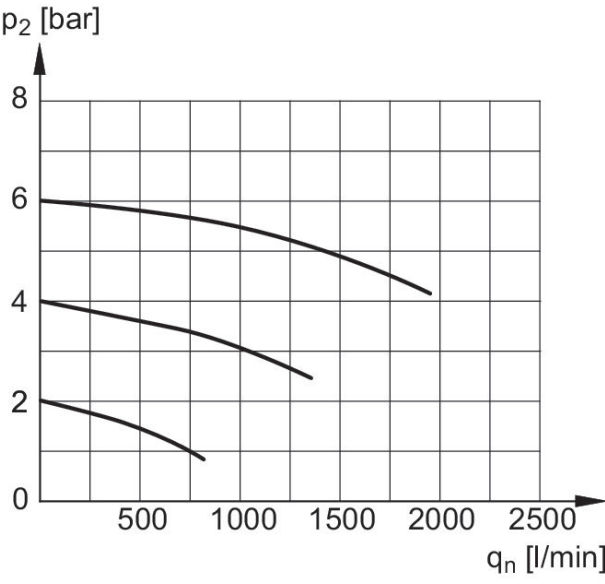
A1 = input
A2 = output
1) Reservoir: metal

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 q_n = Nominal flow

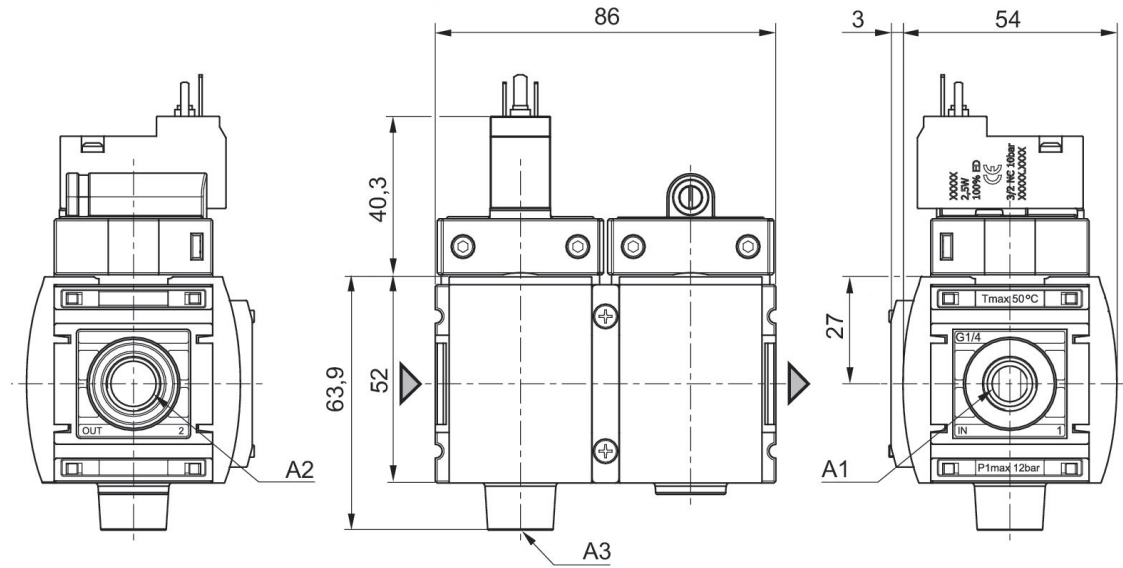
Filling unit, electrically operated, Series AS1-SSU

Flow Flow: 1300 l/min
Activation: Electrically
Parts: 3/2-directional valve Filling valve
Qn 1 > 2: 1300 l/min
Compressed air connection type: Internal thread
Basic valve equipment: Basic valve with pilot valve
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Pilot valve width: 16 mm
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2.5 bar
Max. working pressure: 10 bar



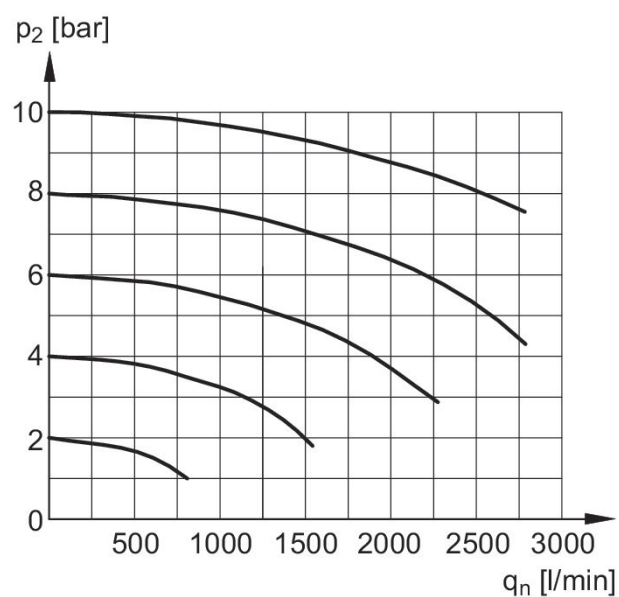
	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	1300	24 V DC	Basic valve with pilot valve	R412010484

Dimensions in mm



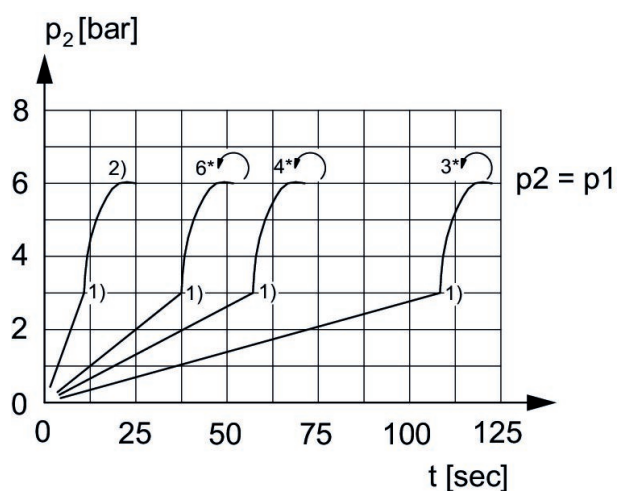
A1 = input
A2 = output
A3 = ventilation port

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



p_2 = Secondary pressure
 q_n = Nominal flow

Secondary pressure while filling



p_1 = Working pressure
 p_2 = Secondary pressure
 t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)
2) Throttle fully opened
* Adjustment screw rotations

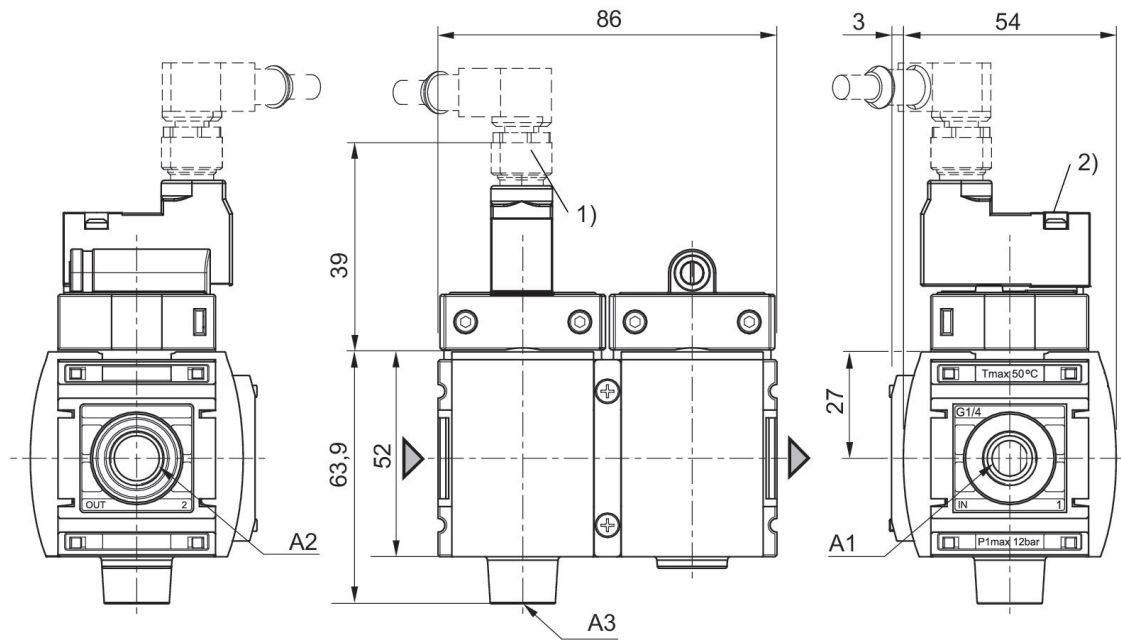
Filling unit, electrically operated, Series AS1-SSU

Flow Flow: 1300 l/min
Activation: Electrically
Parts: 3/2-directional valve Filling valve
Qn 1 > 2: 1300 l/min
Compressed air connection type: Internal thread
Basic valve equipment: Basic valve with pilot valve
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Pilot valve width: 16 mm
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2.5 bar
Max. working pressure: 10 bar



	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	1300	24 V DC	Basic valve with pilot valve	R412010682

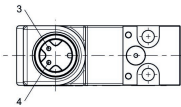
Dimensions in mm



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

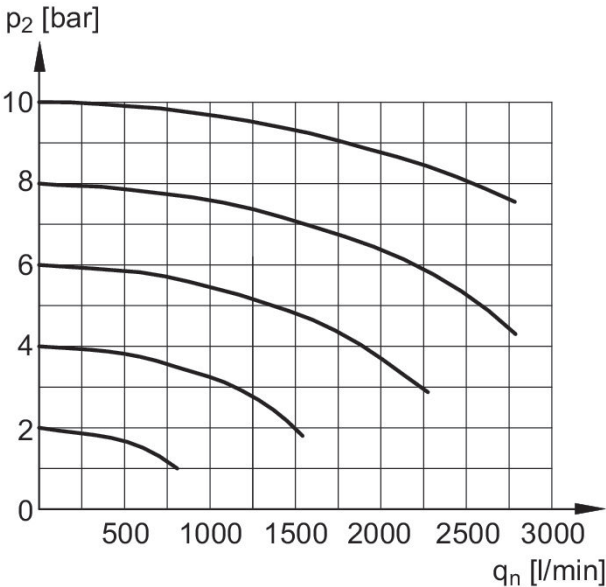
R412010682

Pin assignment M12x1



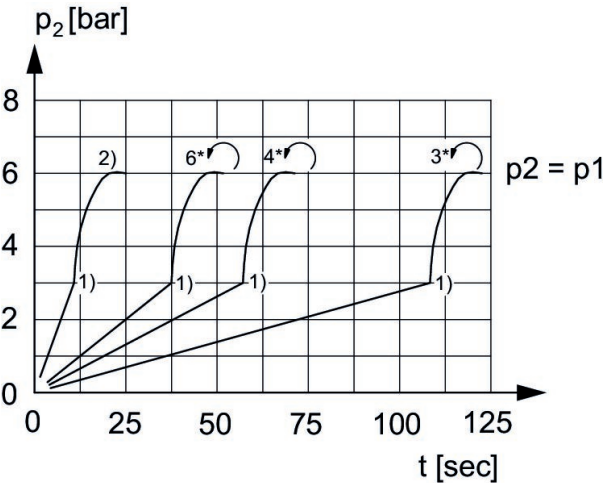
3: +/-
4: +/-

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



p_2 = Secondary pressure
 q_n = Nominal flow

Secondary pressure while filling

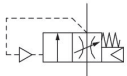


p_1 = Working pressure
 p_2 = Secondary pressure
 t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)
2) Throttle fully opened
* Adjustment screw rotations

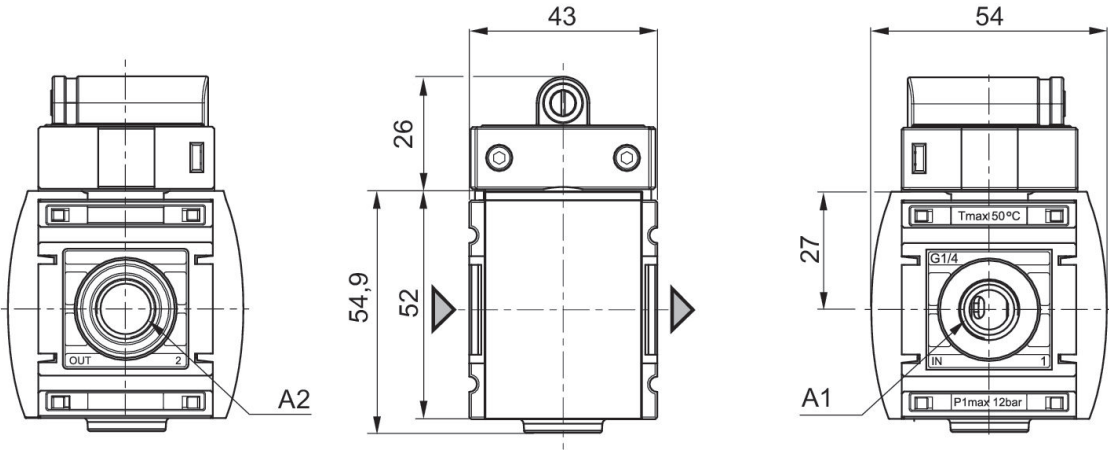
Filling valve, Series AS1-SSV

Flow Flow: 2000 l/min
Activation: Pneumatically
Parts: Filling valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Min. control pressure: 2.5 bar
Max. control pressure: 12 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



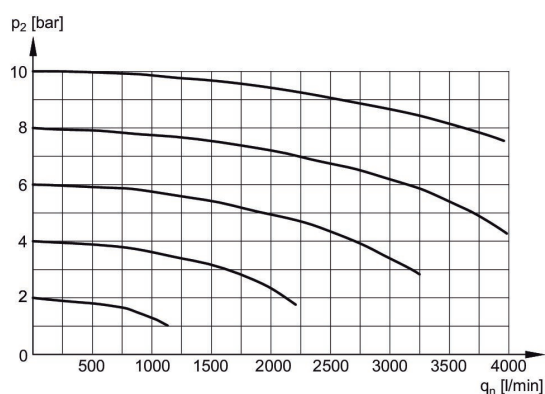
	Port	Nominal flow [l/min]	Part No.
	G 1/4	2000	R412014671

Dimensions in mm



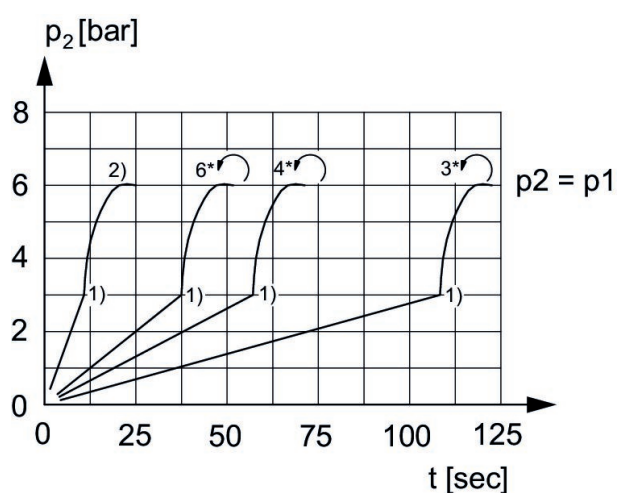
A1 = input
A2 = output

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 q_n = Nominal flow

Secondary pressure while filling



p_1 = Working pressure
 p_2 = Secondary pressure
 t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)
2) Throttle fully opened
* Adjustment screw rotations

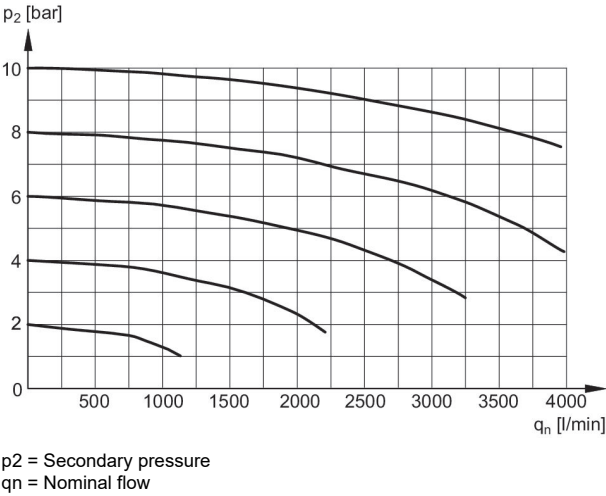
Flow Flow: 2000 l/min
Activation: Pneumatically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Min. control pressure: 2.5 bar
Max. control pressure: 12 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



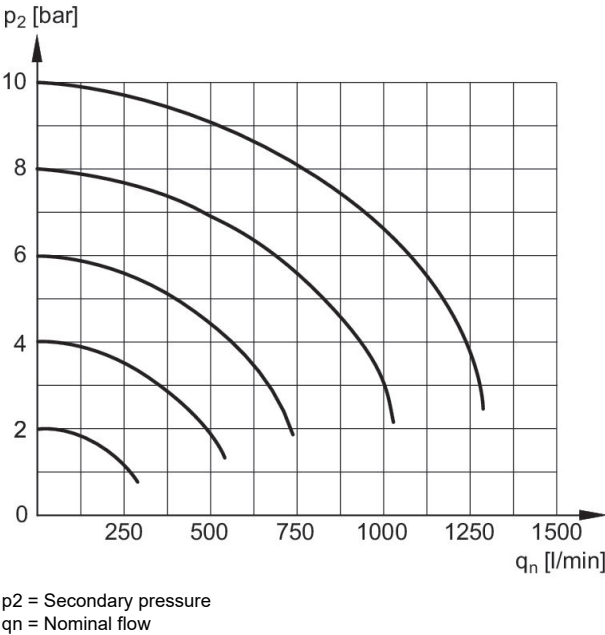
	Port	Nominal flow [l/min]	Part No.
	G 1/4	2000	R412014665

A1 = input
A2 = output
A3 = ventilation port
A4 = control pressure connection

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



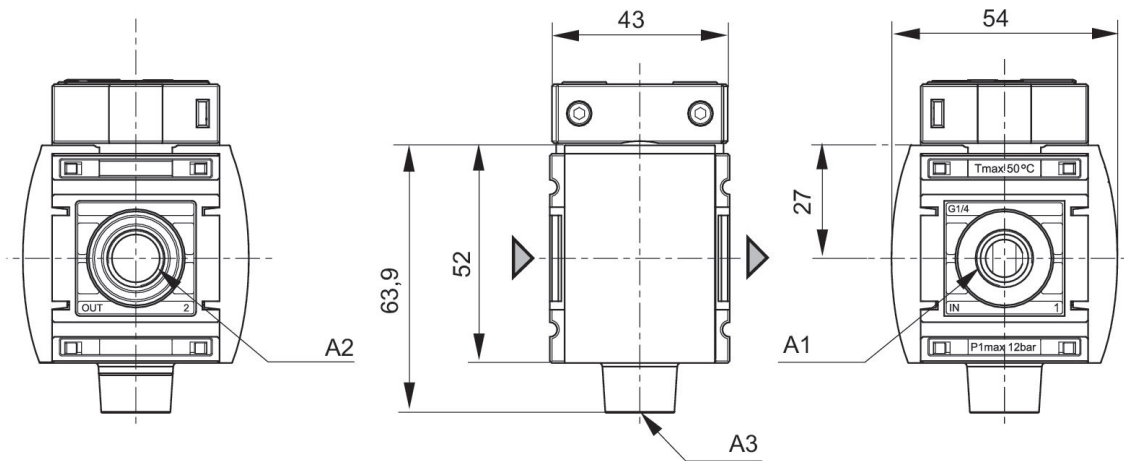
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



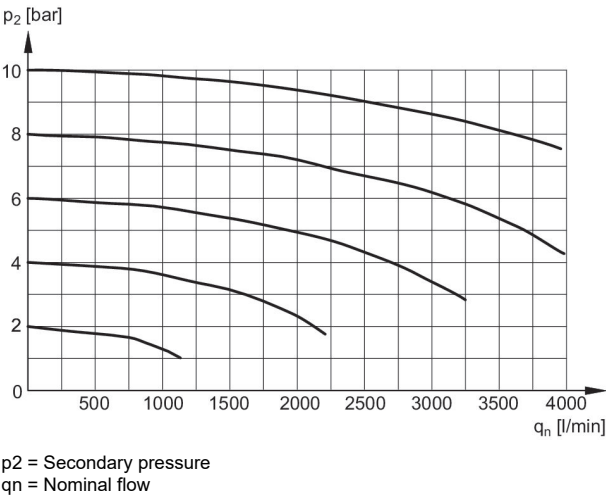
	Port	Nominal flow [l/min]	Basic valve equipment	Part No.
	G 1/4	2000	Basic valve without pilot valve	R412014669

Dimensions in mm

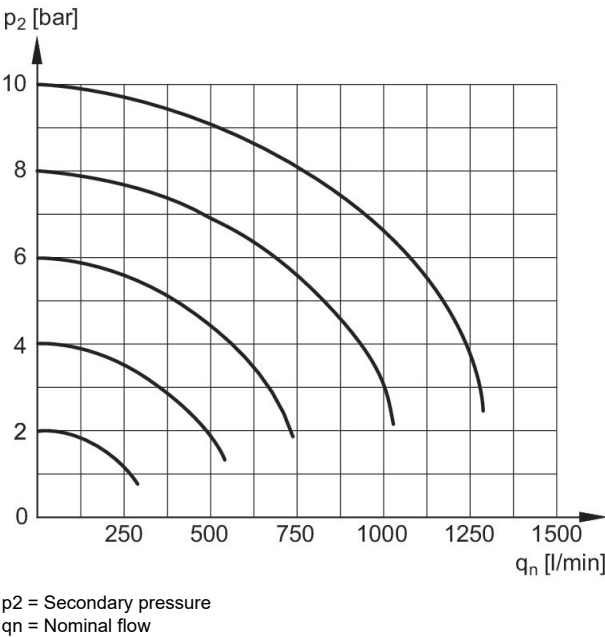


A1 = input
A2 = output
A3 = ventilation port

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



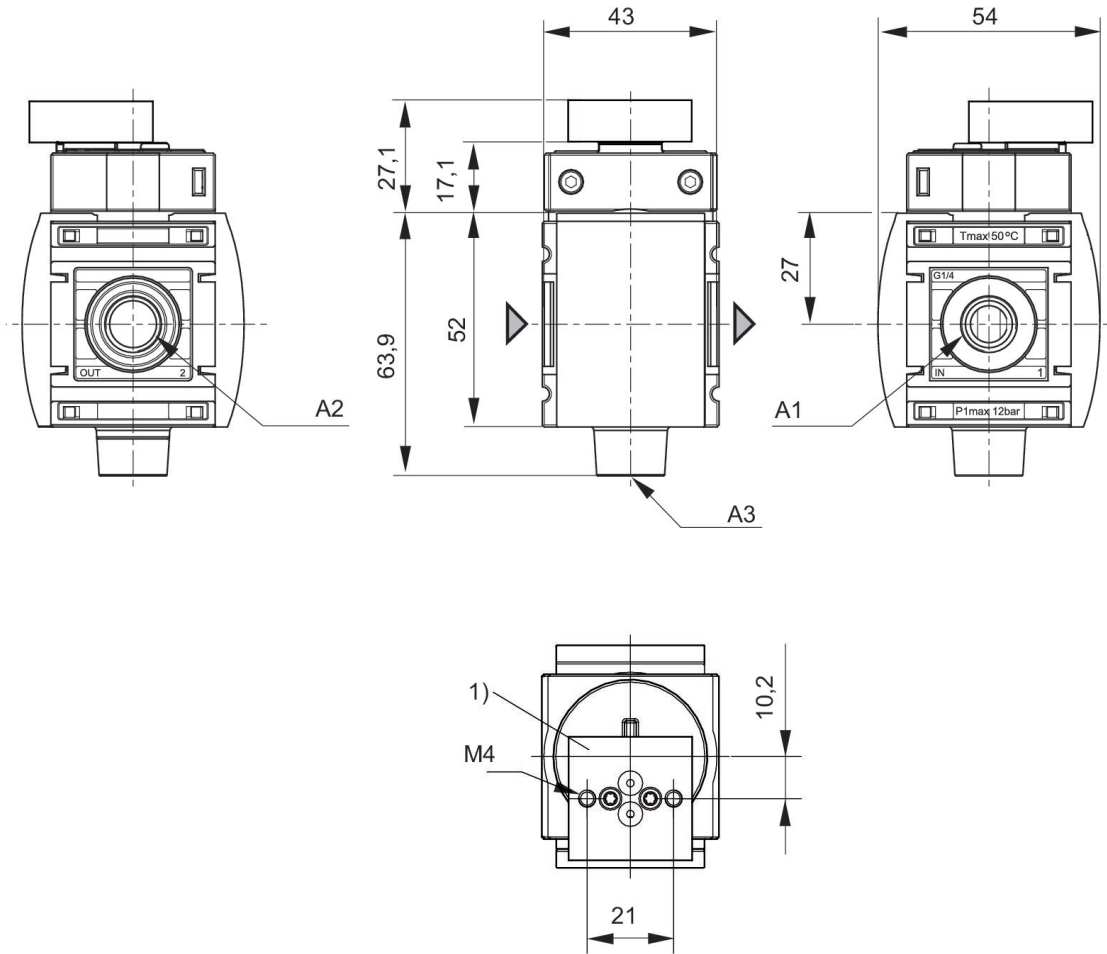
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



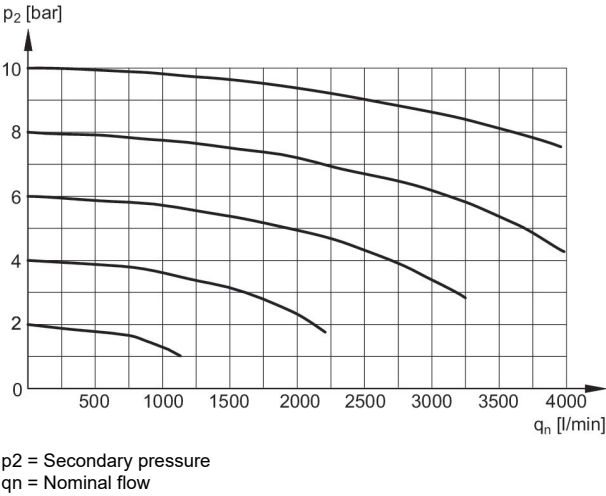
	Port	Nominal flow [l/min]	Basic valve equipment	Part No.
	G 1/4	2000	Basic valve without pilot valve, with CNOMO sub- base	R412014670

Dimensions in mm

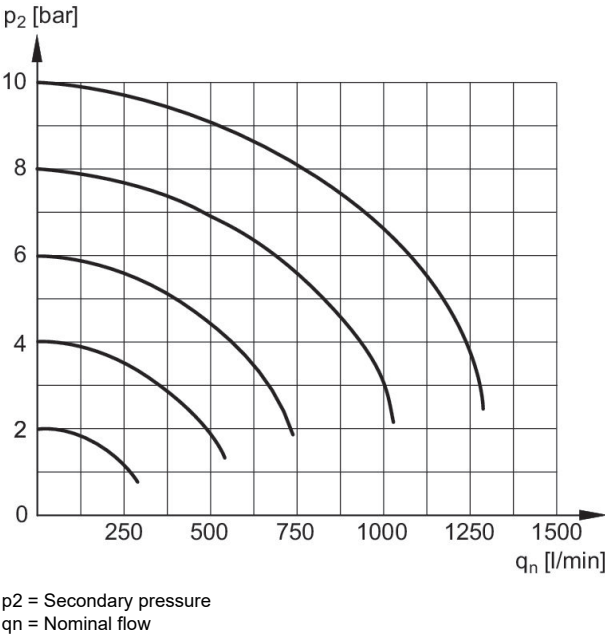


A1 = input
A2 = output
A3 = ventilation port
1) Transition plate with CNOMO porting configuration for pilot valve DO30

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



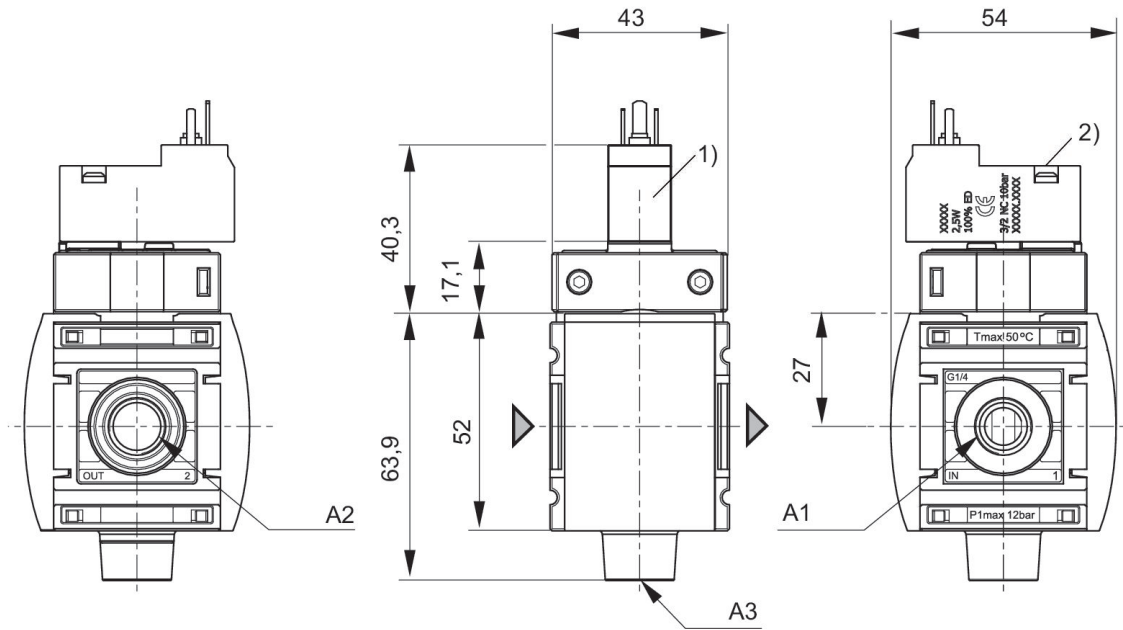
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
 Activation: Electrically
 Parts: 3/2-directional valve
 Qn 1 > 2: 2000 l/min
 Compressed air connection type: Internal thread
 Compressed air connection input: G 1/4
 Compressed air connection output: G 1/4
 Compressed air connection, exhaust: G 1/4
 Type: Poppet valve
 Min. ambient temperature: -10 °C
 Max. ambient temperature: 50 °C
 Min. working pressure: 2 bar
 Max. working pressure: 10 bar



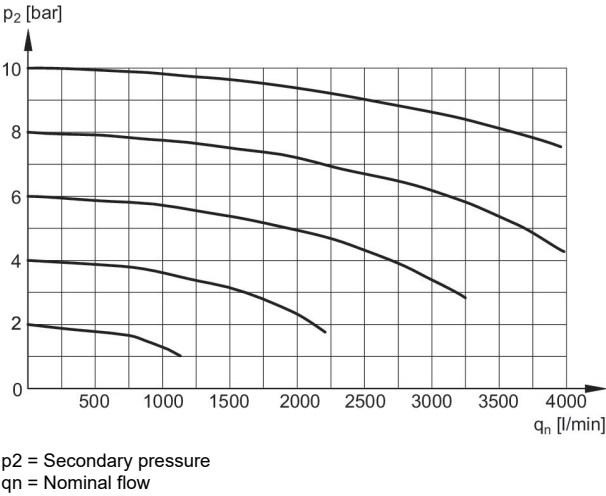
	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	24 V DC	Basic valve with pilot valve	R412014666

Dimensions in mm

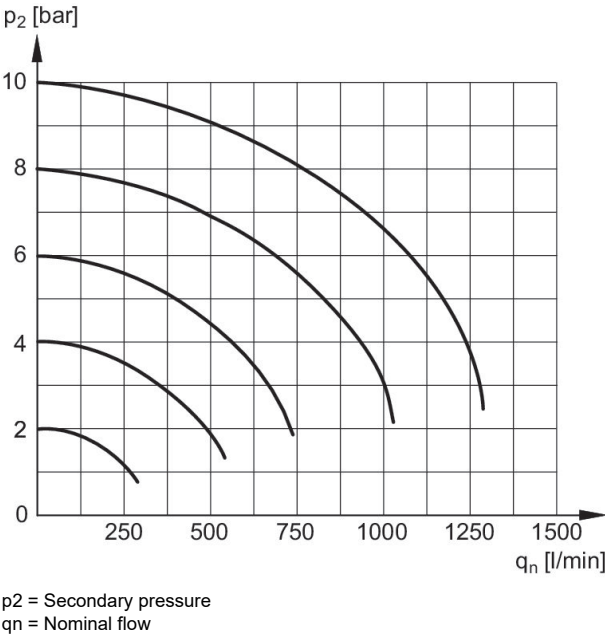


A1 = input
 A2 = output
 A3 = ventilation port
 1) For valve plug connectors according to ISO 15217 (form C)
 2) Manual override

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



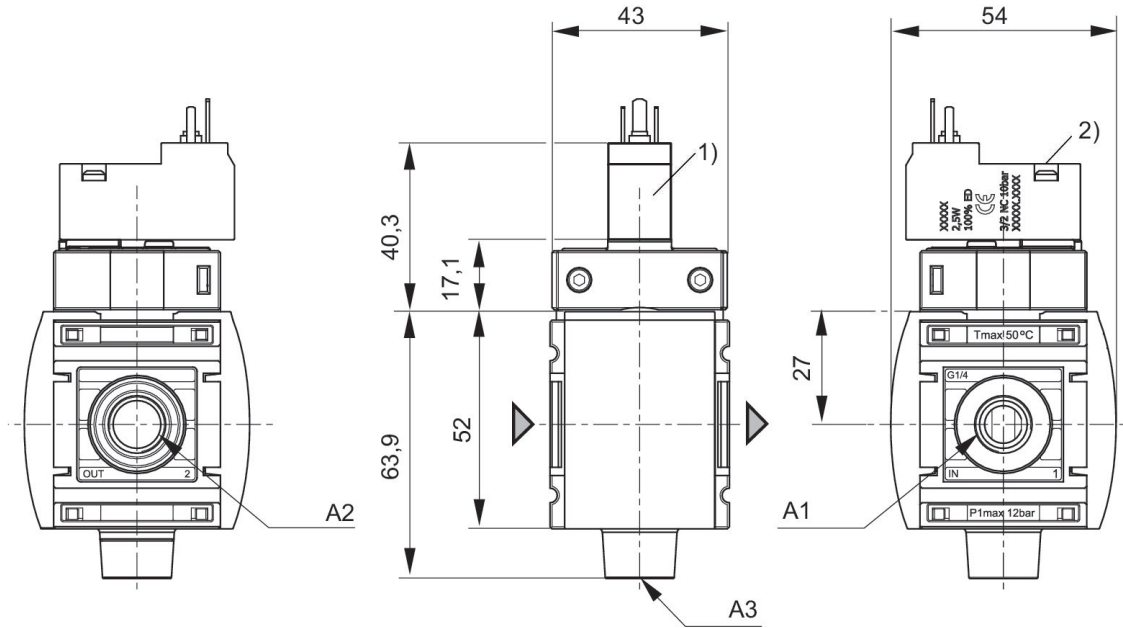
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



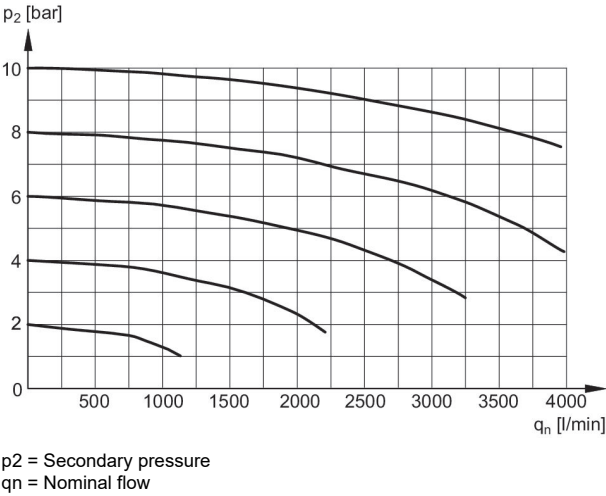
	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	220-230 V AC	Basic valve with pilot valve	R412014668

Dimensions in mm

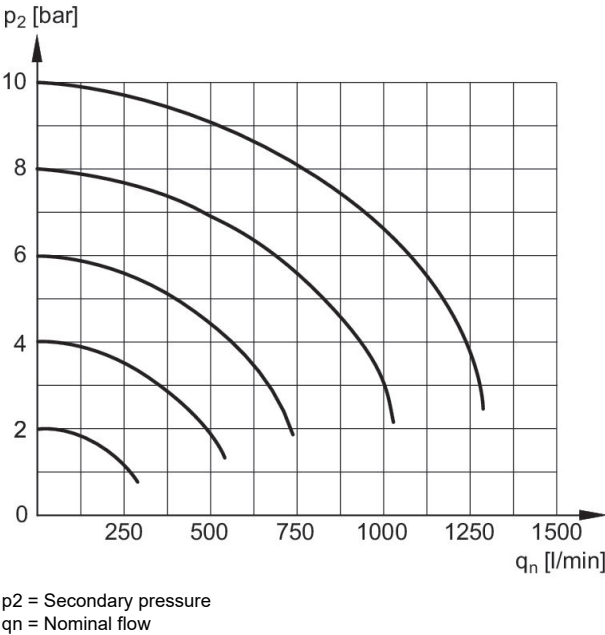


A1 = input
A2 = output
A3 = ventilation port
1) For valve plug connectors according to ISO 15217 (form C)
2) Manual override

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



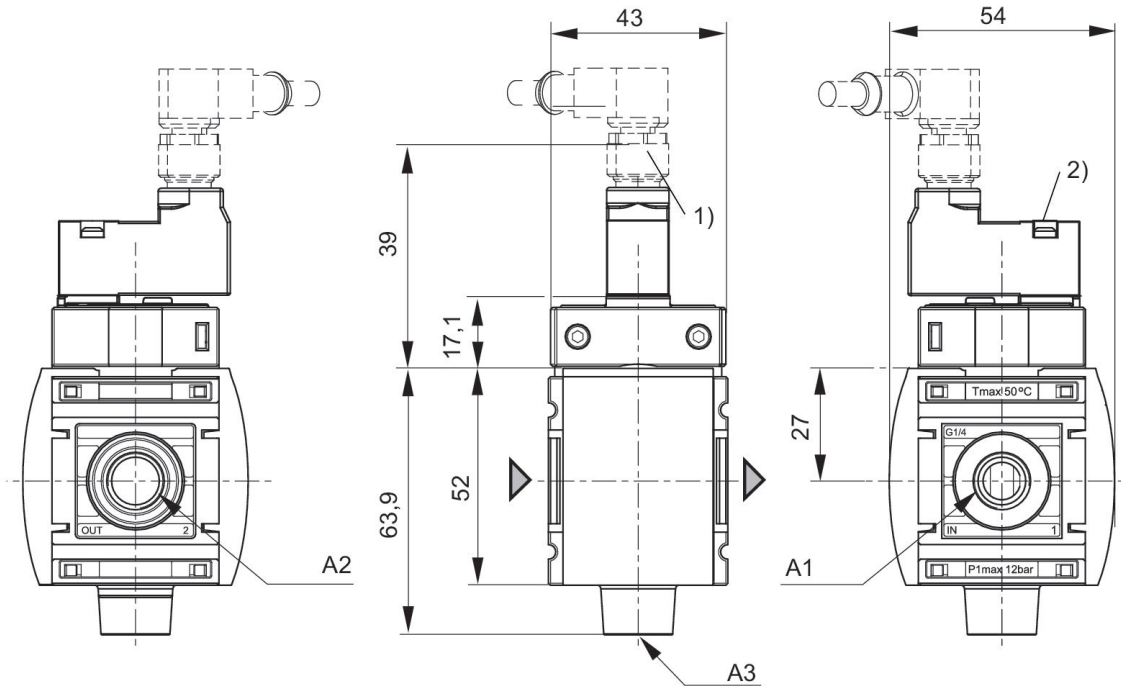
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	24 V DC	Basic valve with pilot valve	R412010680

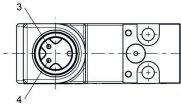
Dimensions in mm



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

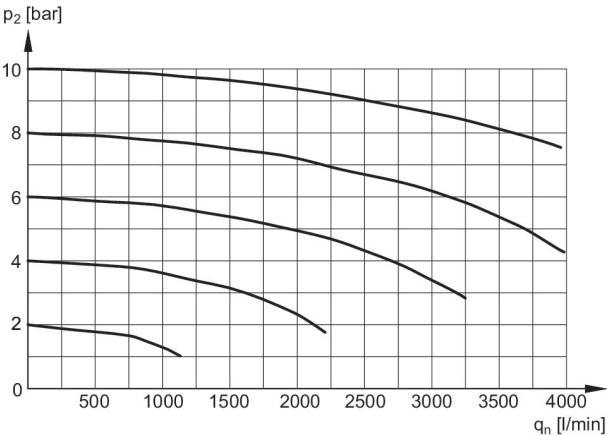
R412010680

Pin assignment M12x1



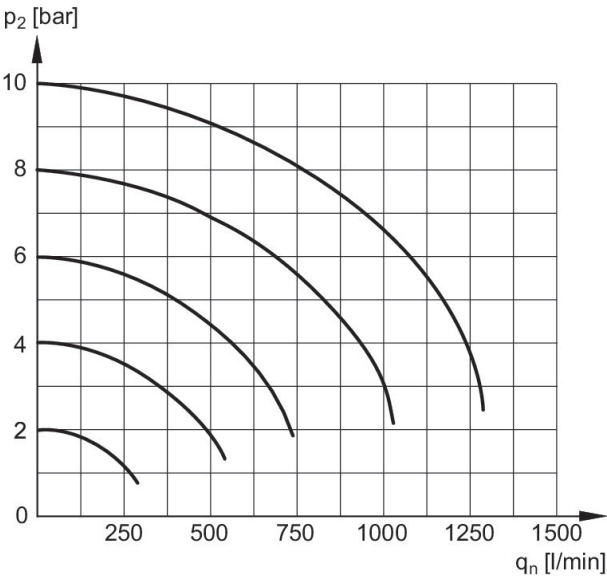
3: +/-
4: +/-

Flow rate characteristic, p2 = 0,05 - 7 bar



p_2 = Secondary pressure
 q_n = Nominal flow

Rear exhaust

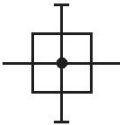


p_2 = Secondary pressure
 q_n = Nominal flow

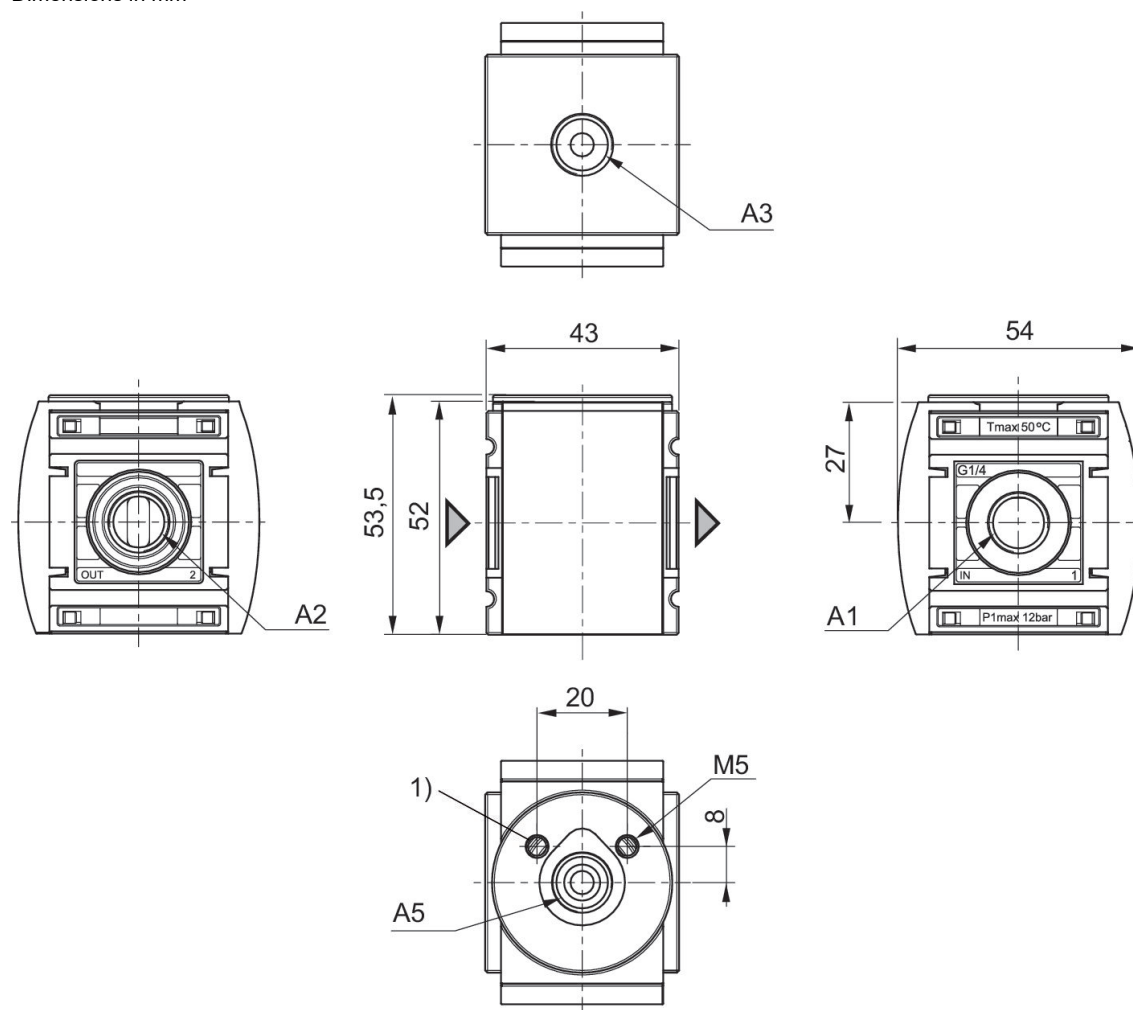
Distributor, Series AS1-DIS

Flow Flow: 2700 l/min
Parts: Distributor
Qn 1 > 2: 2700 l/min
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Air supply	Part No.
	G 1/4	2700	left	R412014662

Dimensions in mm



A1 = input
A2 = output
A3 = output G 1/4
A5 = output G 1/4
1) Mounting thread for pressure sensor

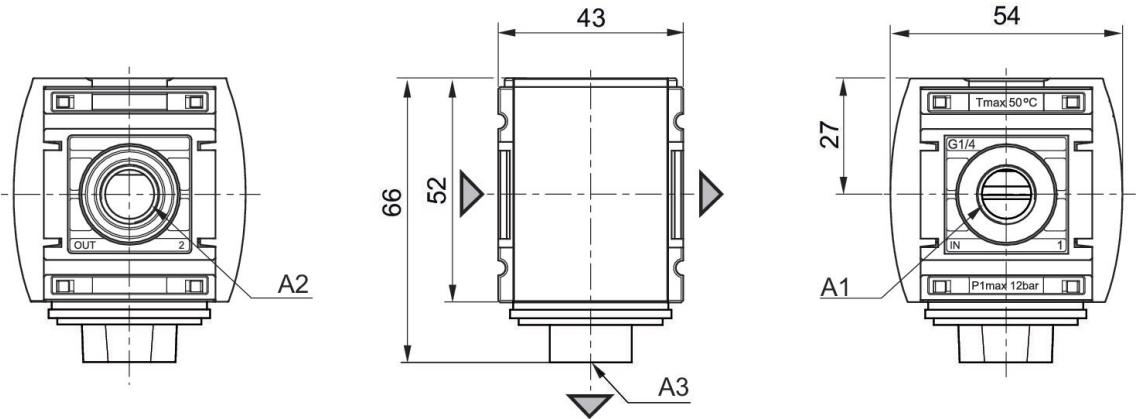
Distributor, Series AS1-DIN

Flow Flow: 800 l/min
Parts: Distributor Non-return valve
Qn 1 > 2: 800 l/min
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



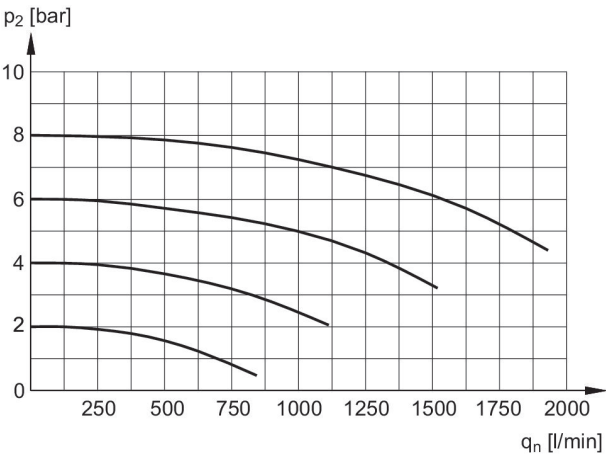
	Port	Nominal flow [l/min]	Air supply	Part No.
	G 1/4	800	left	R412014663

Dimensions in mm

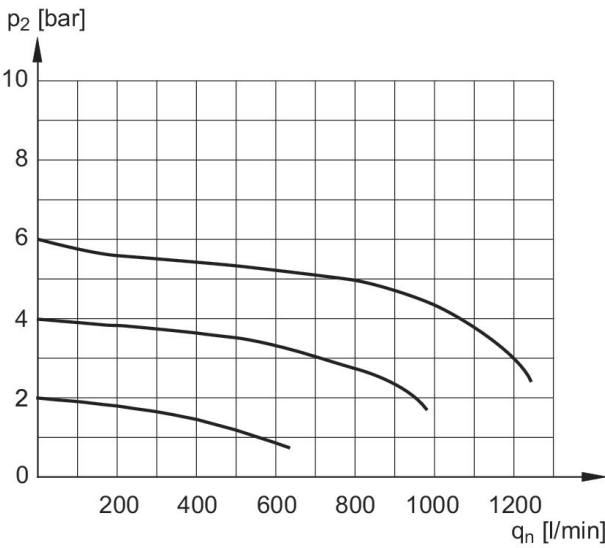


A1 = input
A2 = output
A3 = output

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



Nominal flow Q_n 1 to 2
 p_2 = Secondary pressure
 q_n = Nominal flow

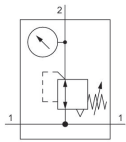
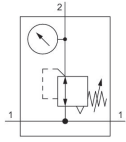
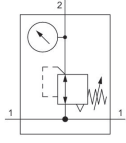


Nominal flow 1 > 3
 p_2 = Secondary pressure
 q_n = Nominal flow

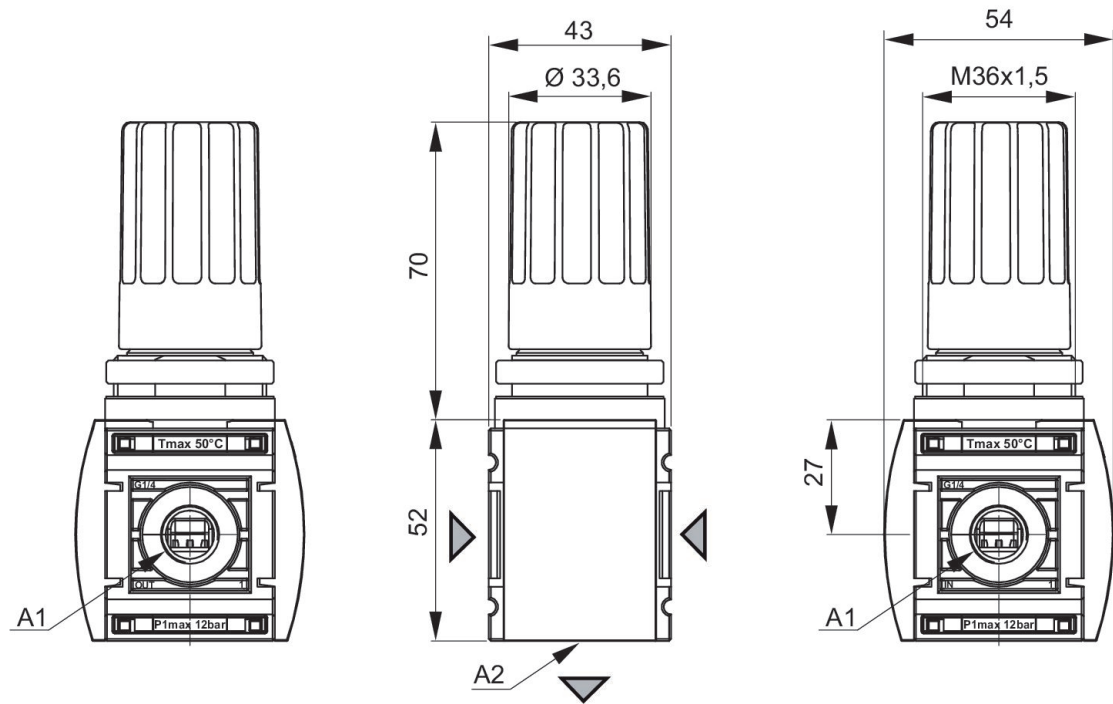
Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



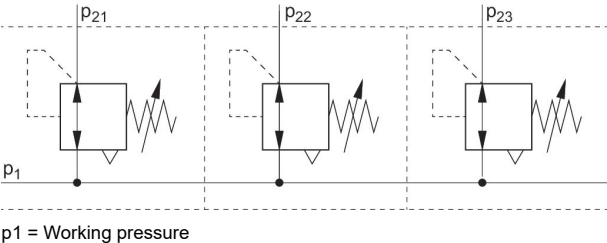
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	with pres- sure gauge in hand wheel	not lockable	R412014642
	G 1/4	1000	0.5	8	with pres- sure gauge in hand wheel	not lockable	R412014643
	G 1/4	1000	0.5	10	with pres- sure gauge in hand wheel	not lockable	R412014644

Dimensions in mm

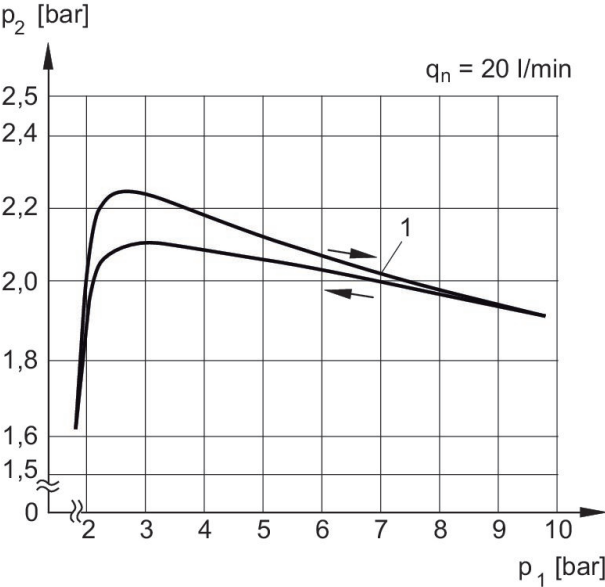


A1 = input
A2 = output
1) Pressure gauge connection

Application example

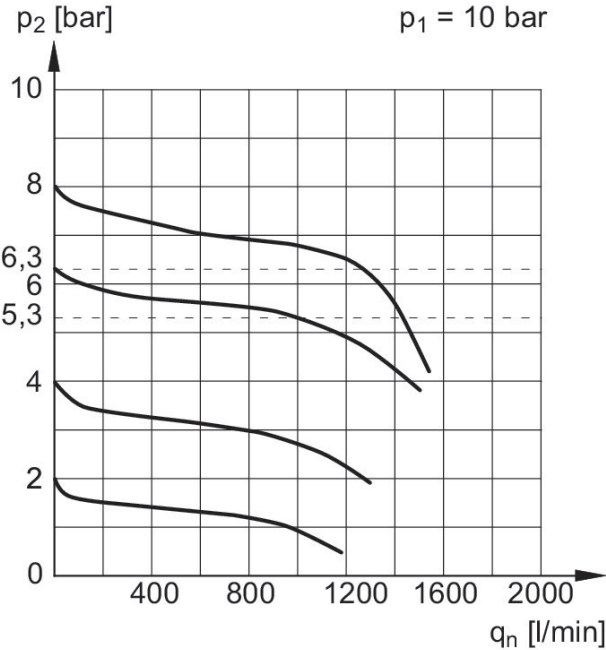


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, p2 = 0,05 - 7 bar



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

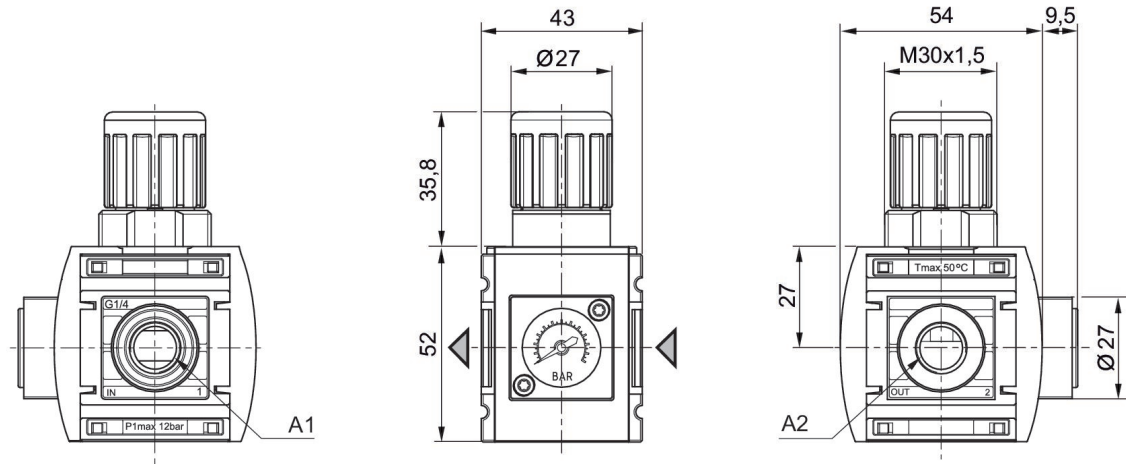
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



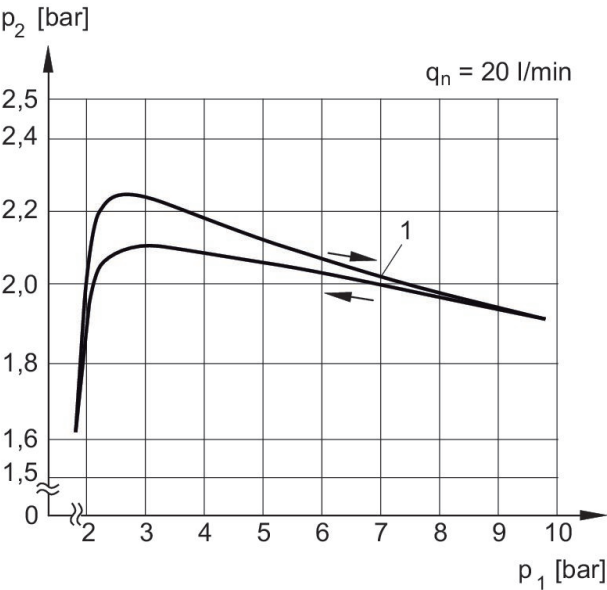
	Port	Nominal flow [l/min]	Min. regulation range [bar]	Max. regulation range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	With integrated pressure gauge	not lockable	R412014705
	G 1/4	1000	0.5	8	With integrated pressure gauge	not lockable	R412014706
	G 1/4	1000	0.5	10	With integrated pressure gauge	not lockable	R412014707

Dimensions in mm



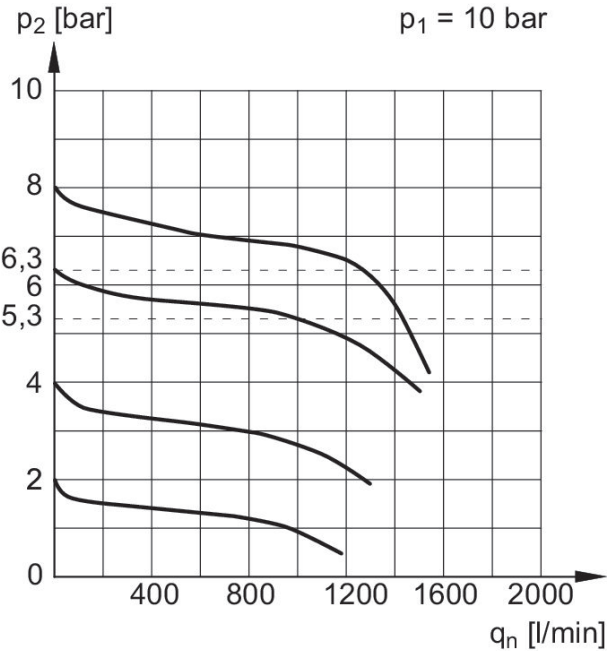
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

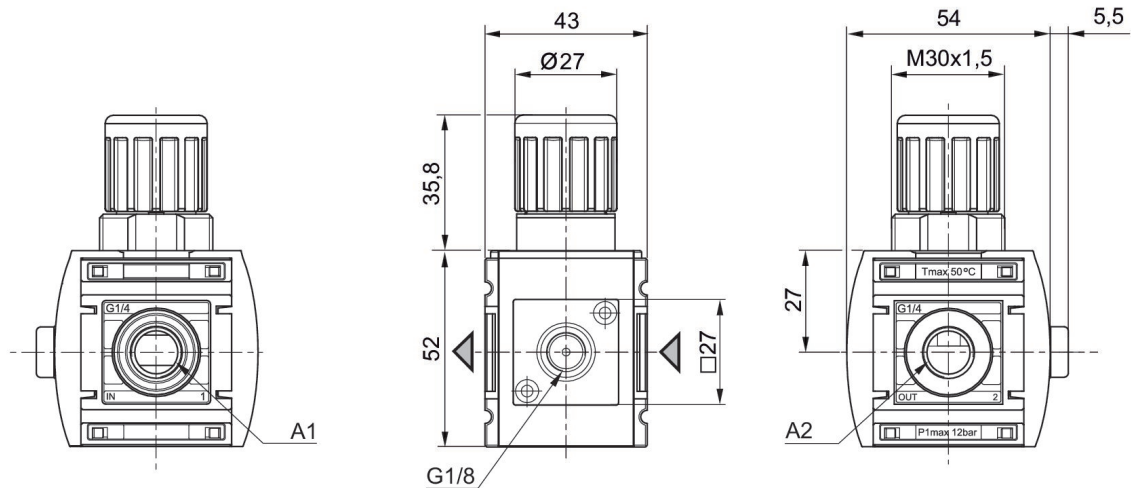
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



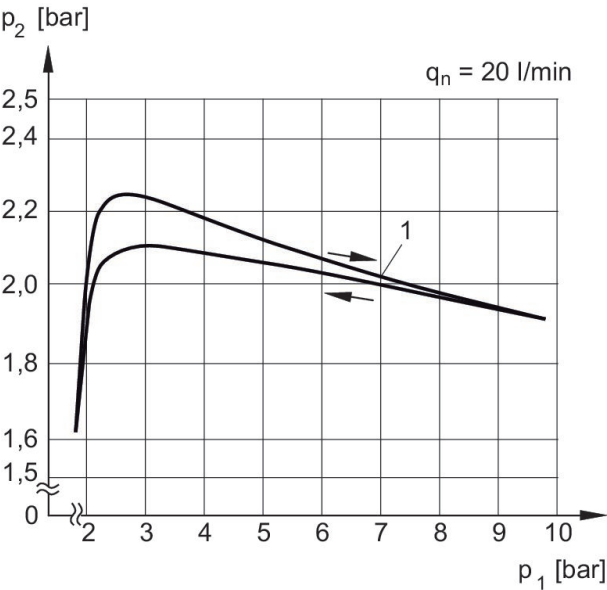
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	without pres- sure gauge	not lockable	R412014711

Dimensions in mm



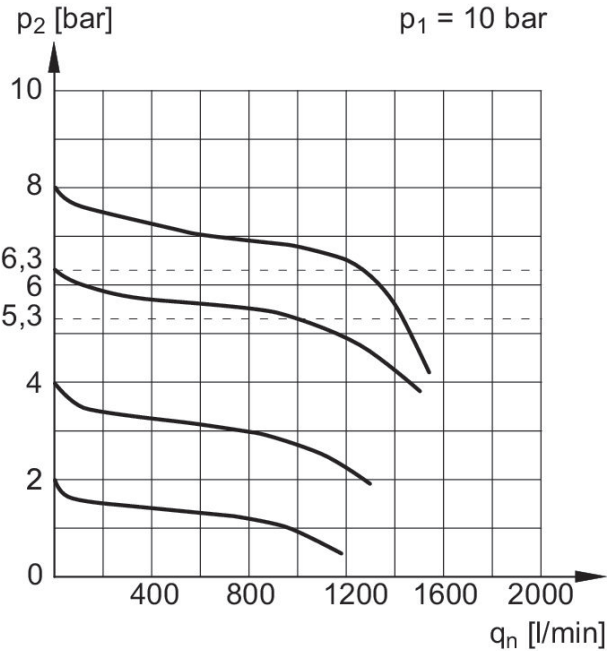
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

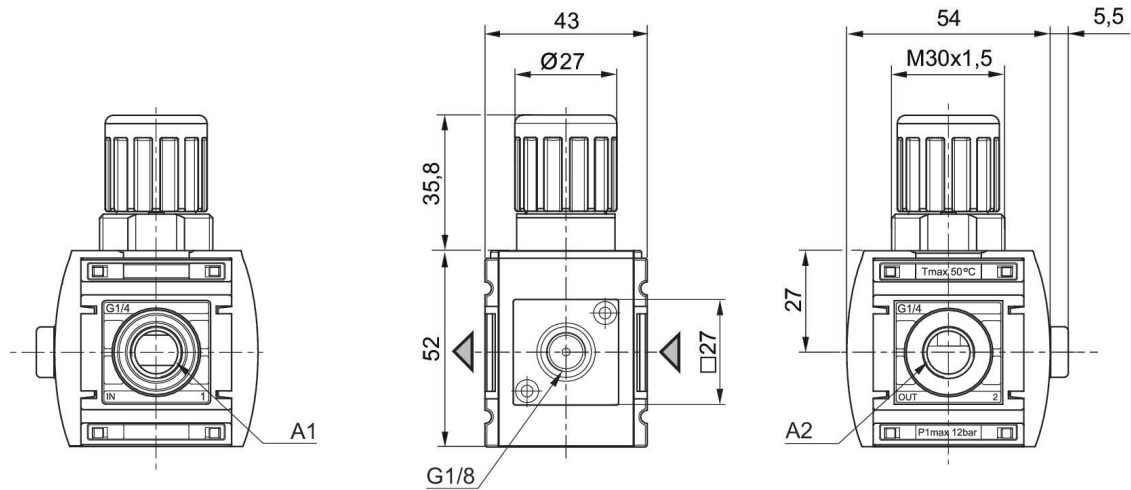
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



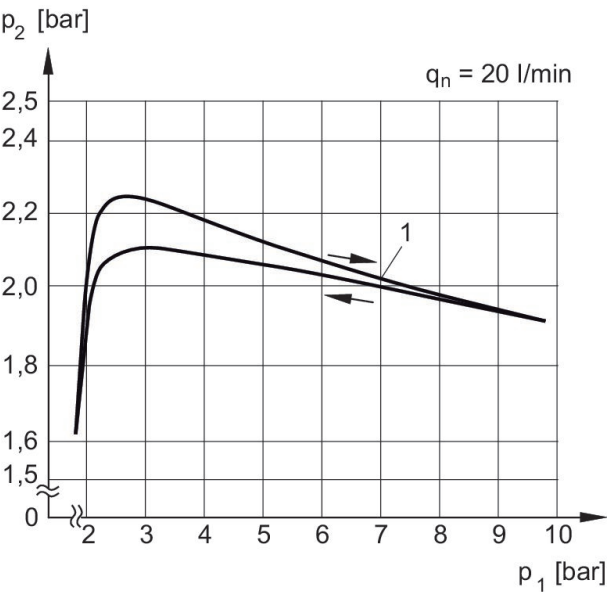
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.5	8	without pres- sure gauge	not lockable	R412014712

Dimensions in mm



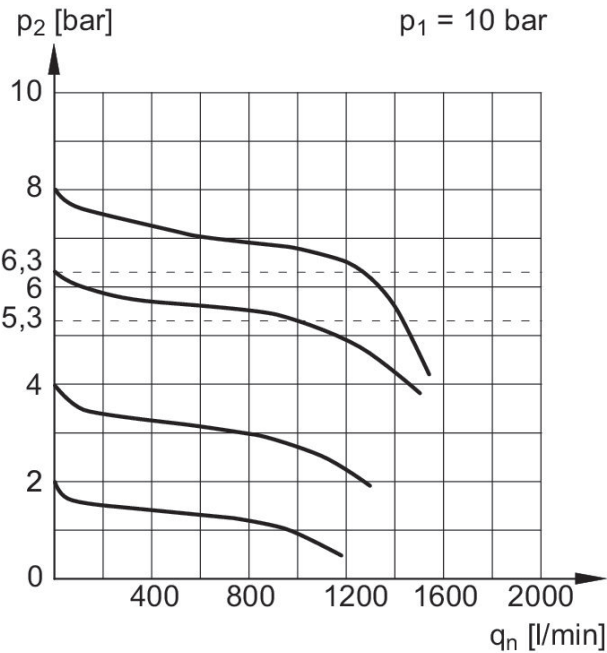
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

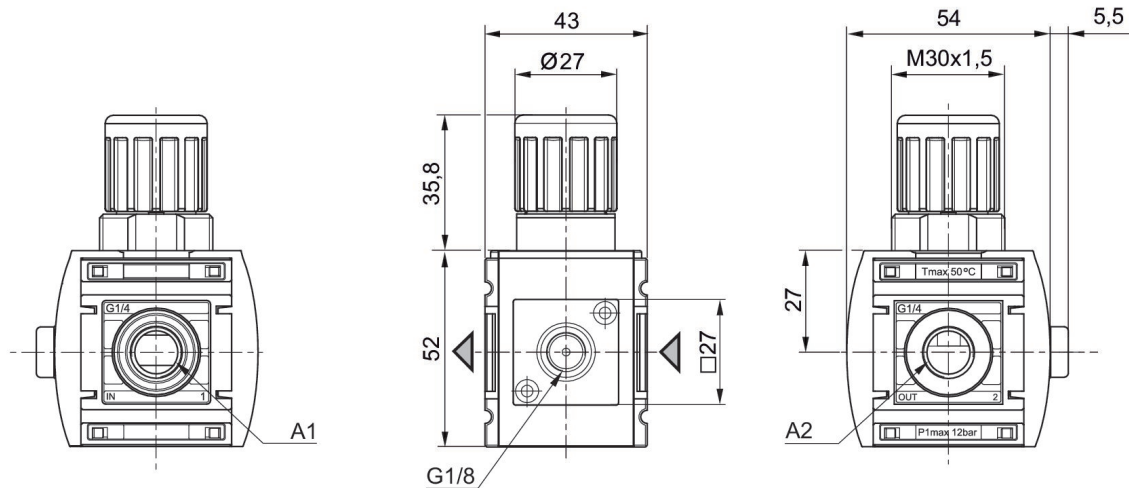
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



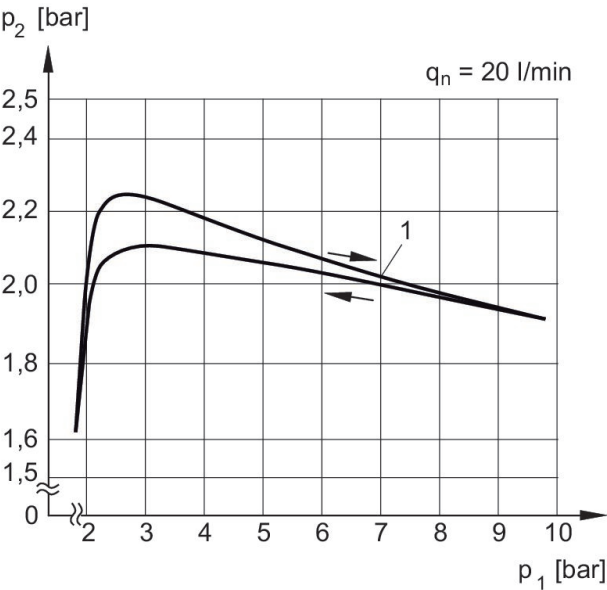
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.5	10	without pres- sure gauge	not lockable	R412014713

Dimensions in mm



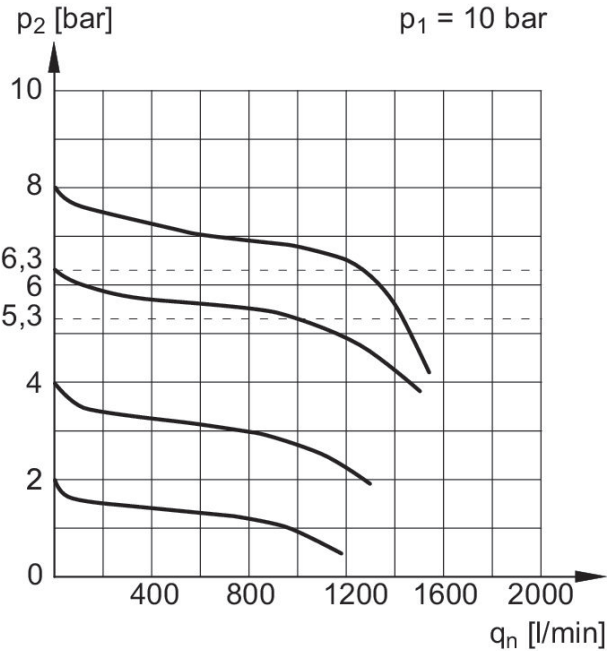
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

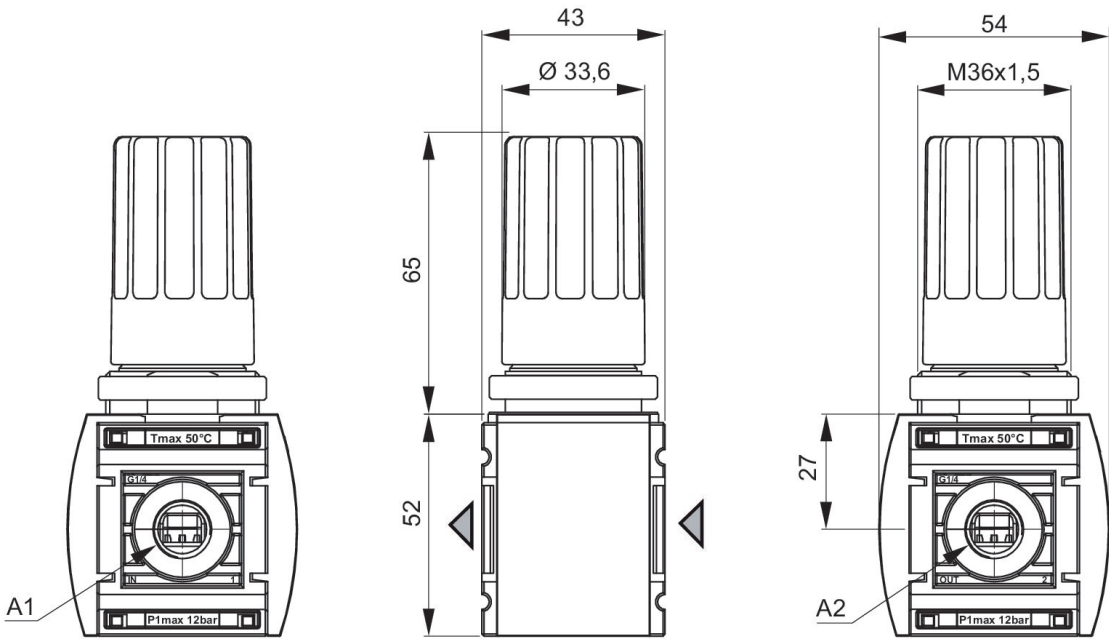
Pressure regulator, Series AS1-RGS

Actuating element: Standard pressure regulator
Parts: Pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



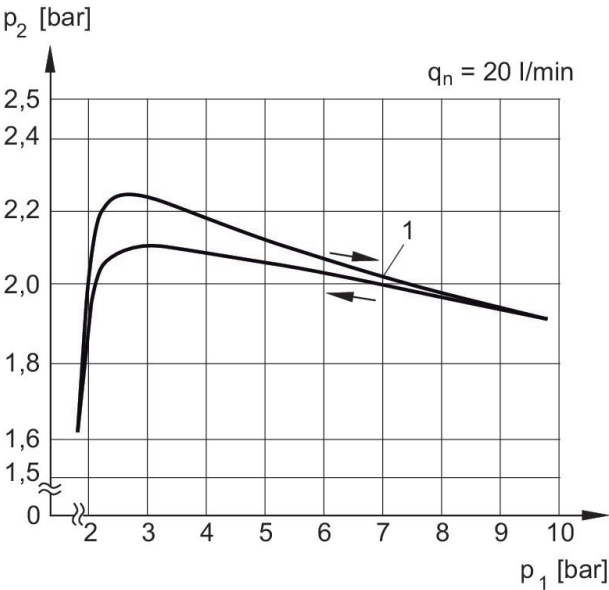
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	with pres- sure gauge in hand wheel	not lockable	R412014717
	G 1/4	1000	0.5	8	with pres- sure gauge in hand wheel	not lockable	R412014718
	G 1/4	1000	0.5	10	with pres- sure gauge in hand wheel	not lockable	R412014719

Dimensions in mm



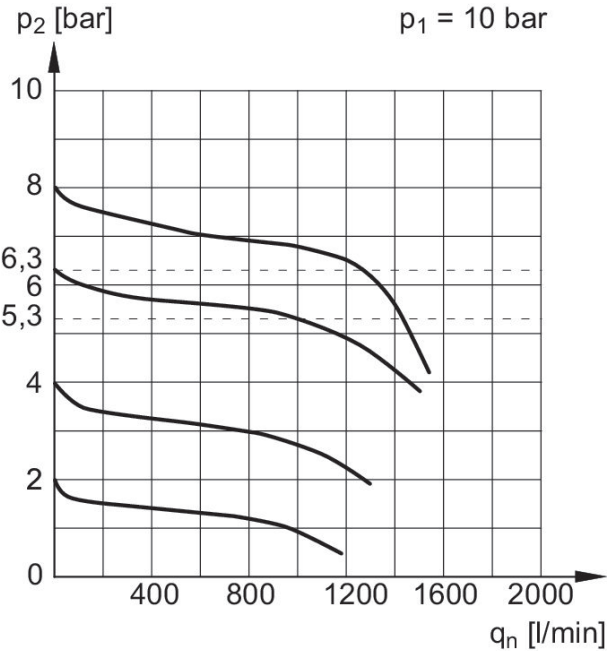
A1 = input
A2 = output

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

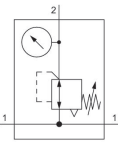
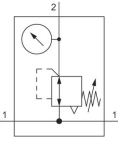
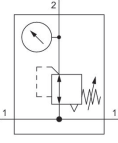


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

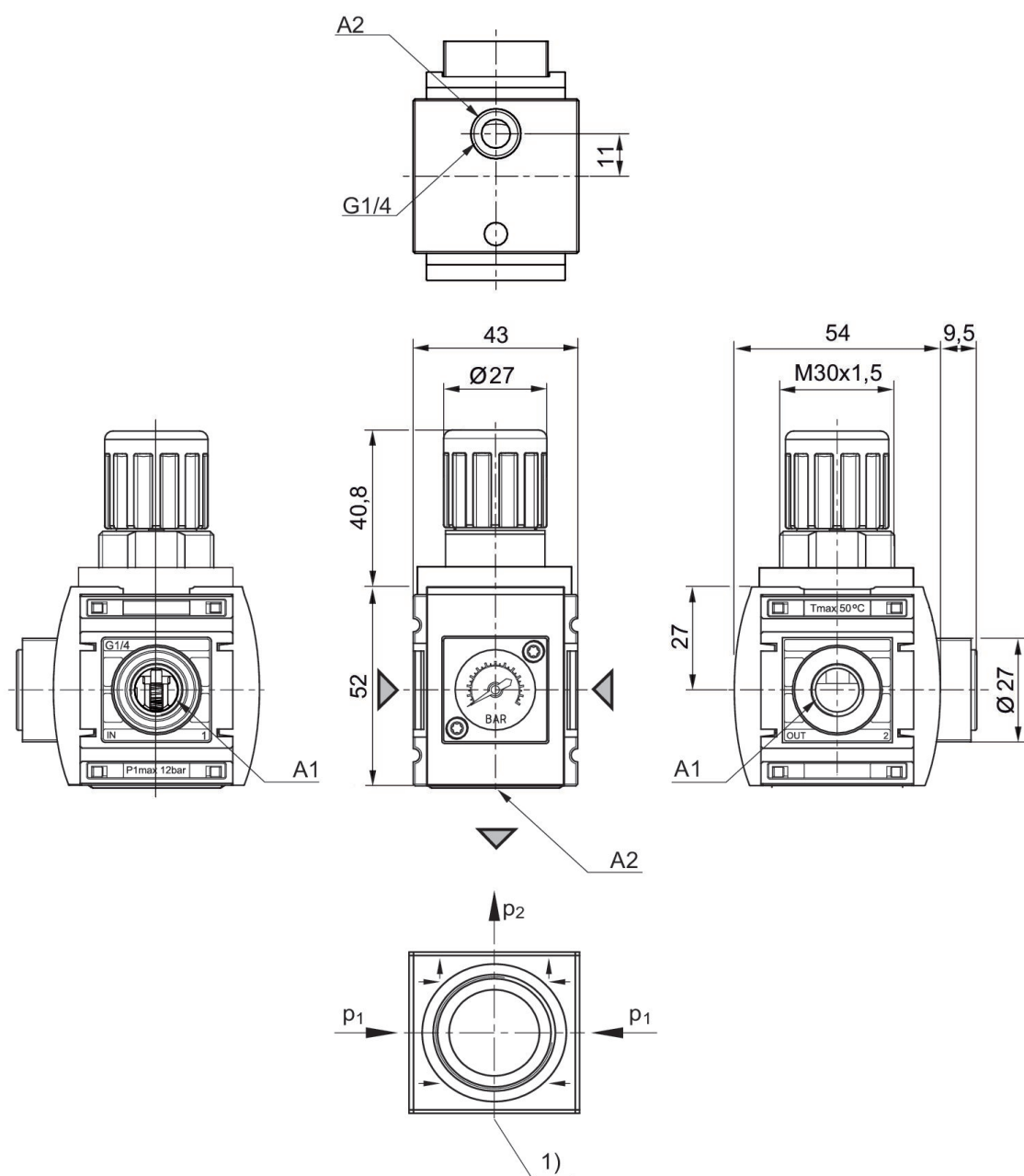
Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



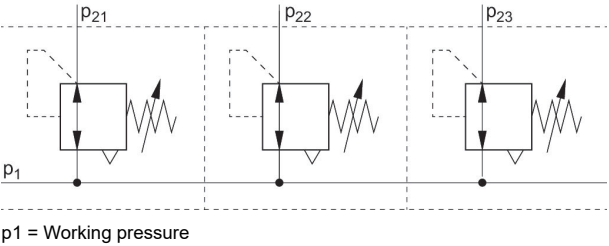
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	With integrat- ed pressure gauge	not lockable	R412014708
	G 1/4	1000	0.5	8	With integrat- ed pressure gauge	not lockable	R412014709
	G 1/4	1000	0.5	10	With integrat- ed pressure gauge	not lockable	R412014710

Dimensions in mm

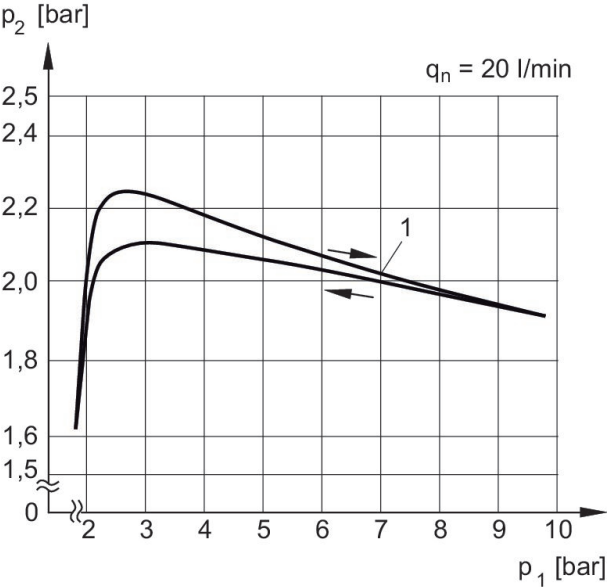


A1 = input
A2 = output
1) Pressure gauge connection

Application example

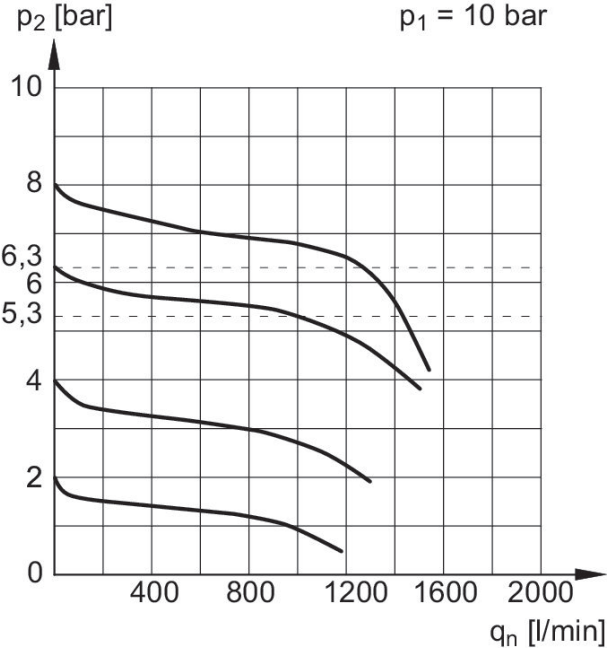


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

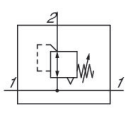
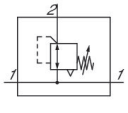
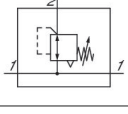
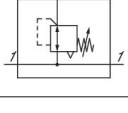


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

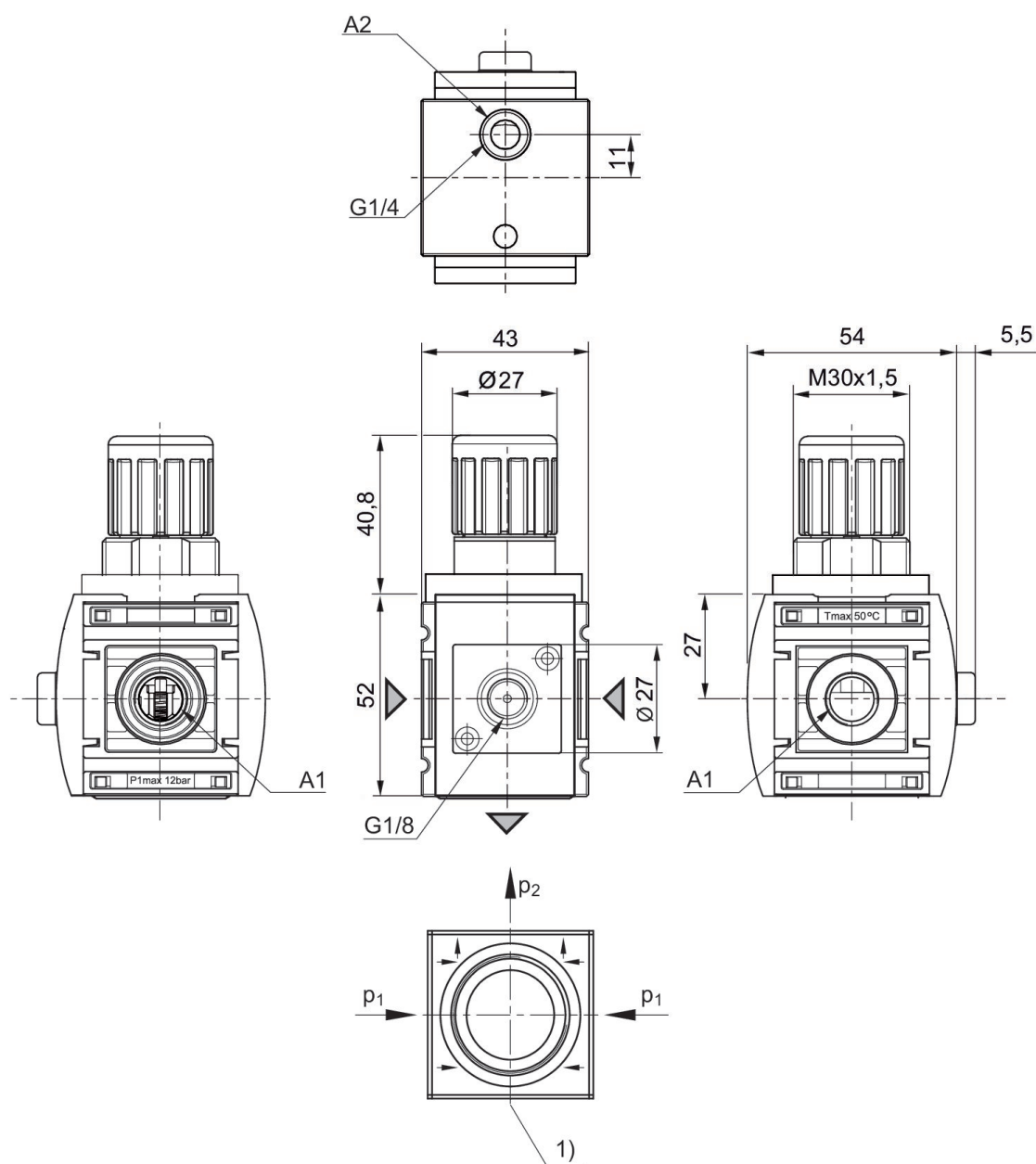
Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



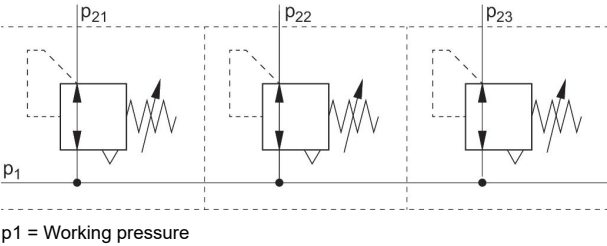
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.1	1	without pres- sure gauge	not lockable	R412010559
	G 1/4	1000	0.2	4	without pres- sure gauge	not lockable	R412014714
	G 1/4	1000	0.5	8	without pres- sure gauge	not lockable	R412014715
	G 1/4	1000	0.5	10	without pres- sure gauge	not lockable	R412014716

Dimensions in mm

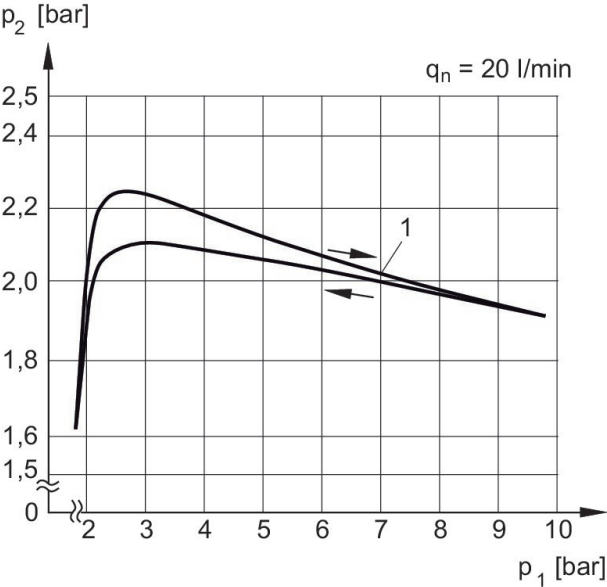


A1 = input
A2 = output
1) Pressure gauge connection

Application example

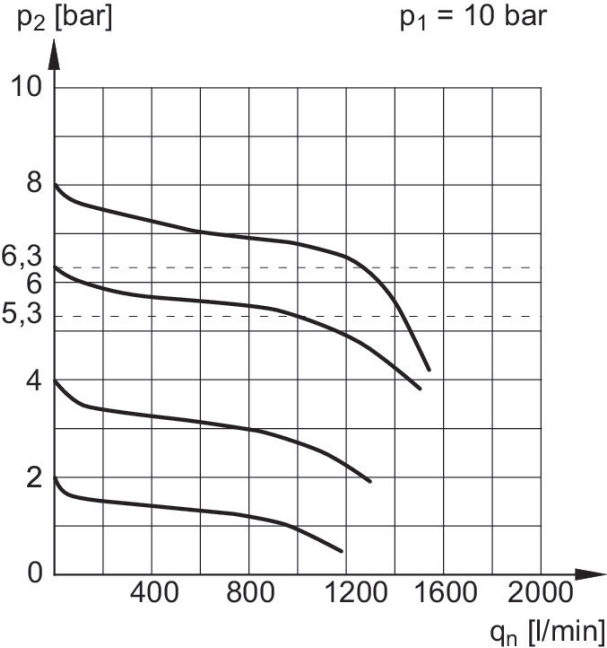


Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

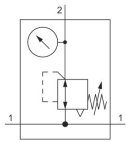
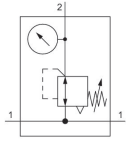
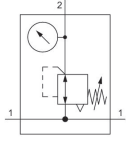


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

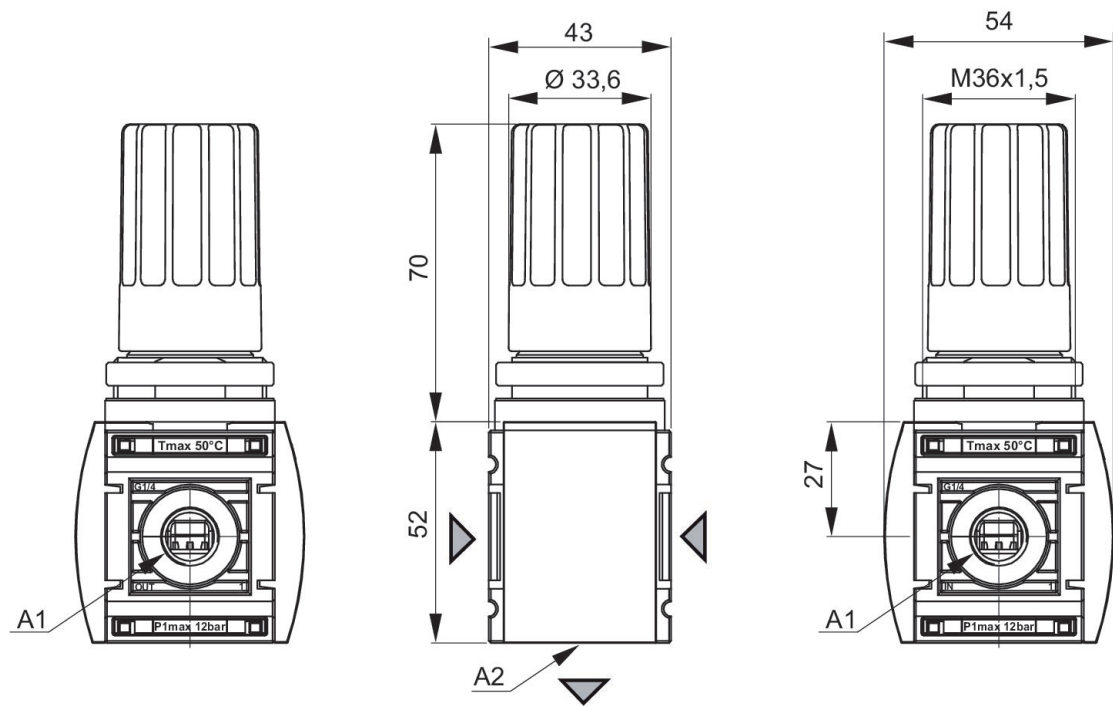
Pressure regulator, Series AS1-RGS-...-DS

Actuating element: Standard pressure regulator
Parts: Pressure regulator with continuous pressure supply
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 12 bar



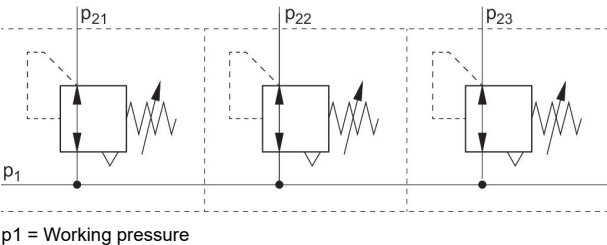
	Port	Nominal flow [l/min]	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Pressure gauge	Lock type	Part No.
	G 1/4	1000	0.2	4	with pres- sure gauge in hand wheel	not lockable	R412014720
	G 1/4	1000	0.5	8	with pres- sure gauge in hand wheel	not lockable	R412014721
	G 1/4	1000	0.5	10	with pres- sure gauge in hand wheel	not lockable	R412014722

Dimensions in mm

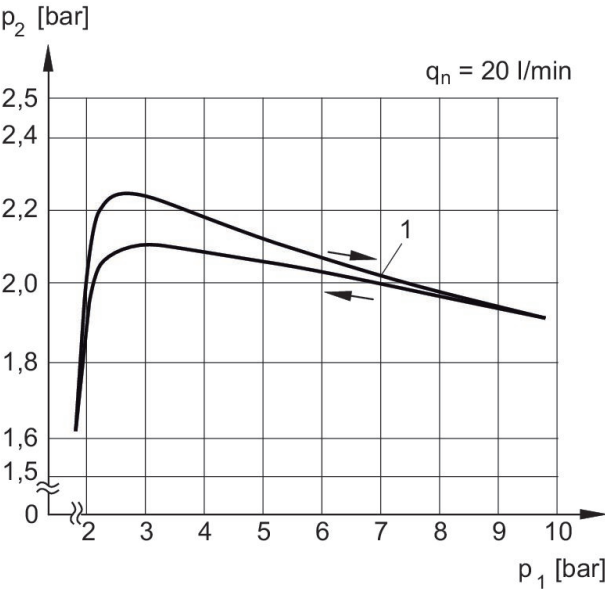


A1 = input
A2 = output
1) Pressure gauge connection

Application example

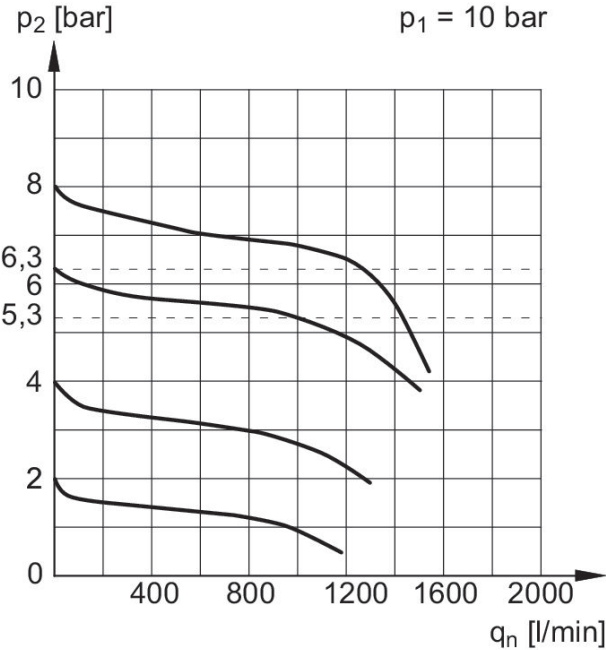


Pressure characteristics curve



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

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

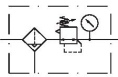


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

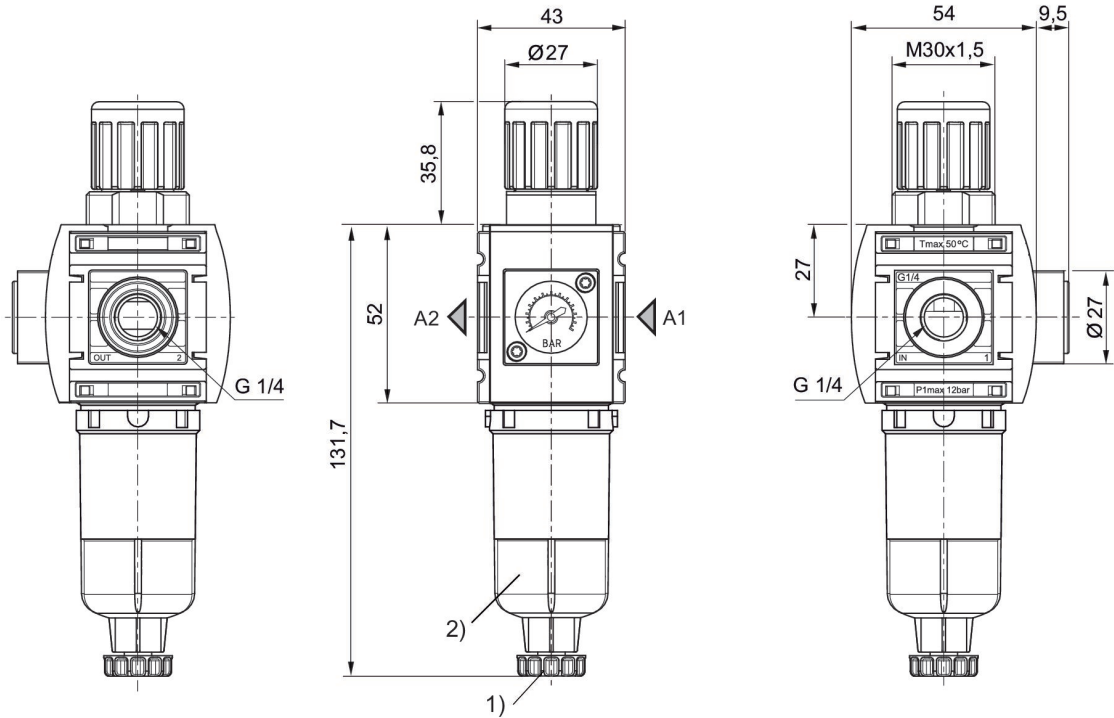
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



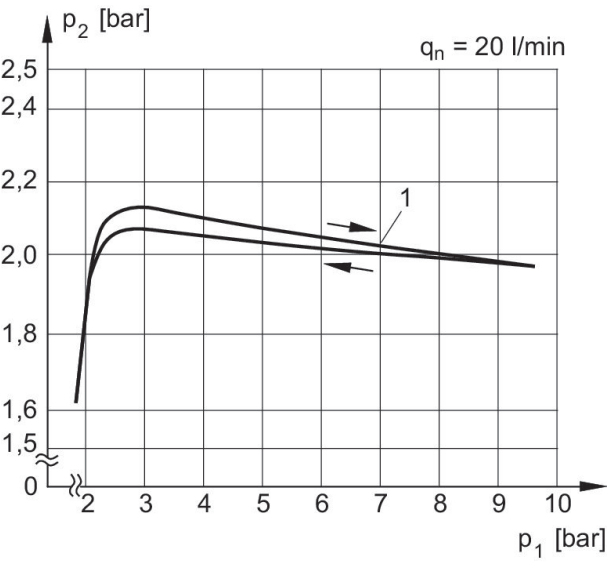
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014723

Dimensions in mm



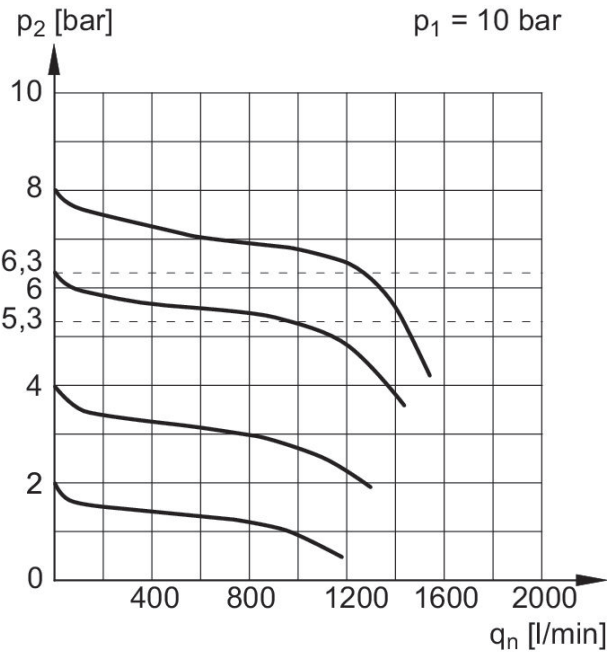
A1 = input
A2 = output
1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

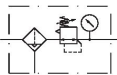
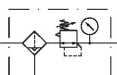


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Filter pressure regulator, Series AS1-FRE

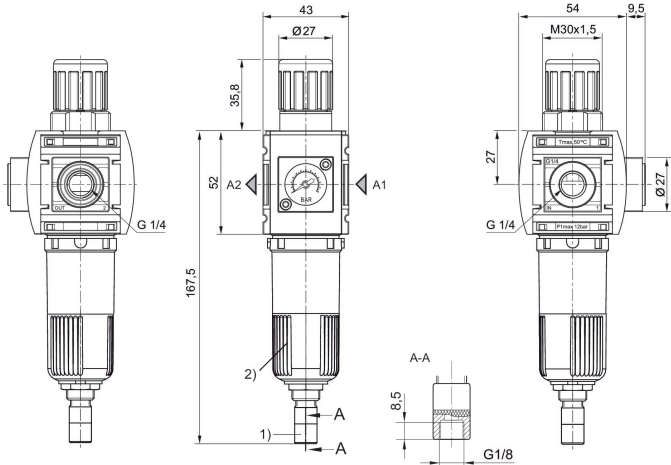
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014724
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014725

R412014724

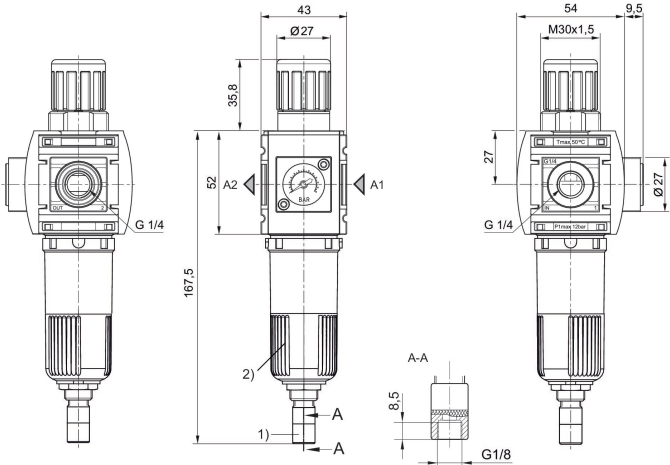
Dimensions in mm



A1 = input
A2 = output
1) Fully automatic condensate drain
2) Reservoir: polycarbonate

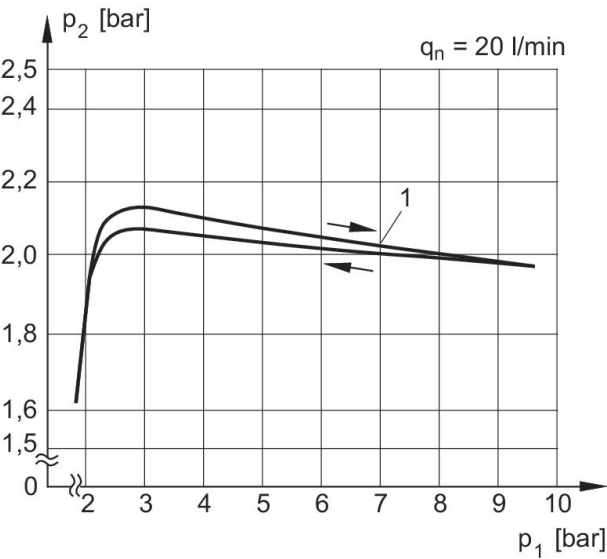
R412014725

Dimensions in mm



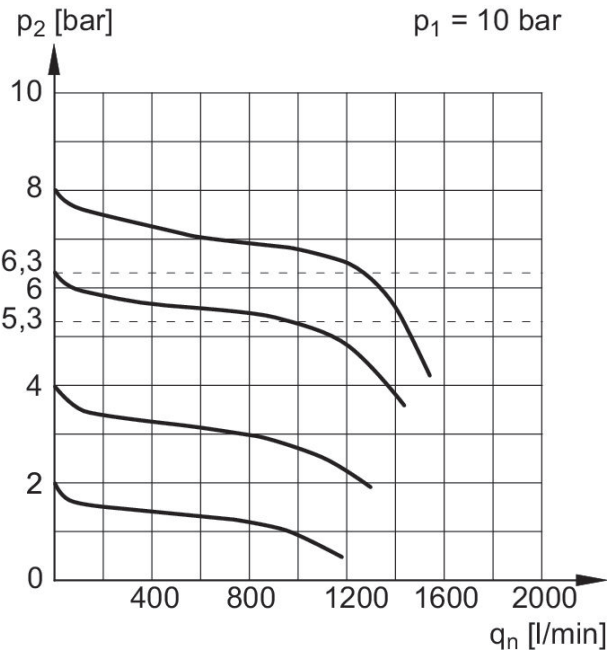
A1 = input
A2 = output
1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

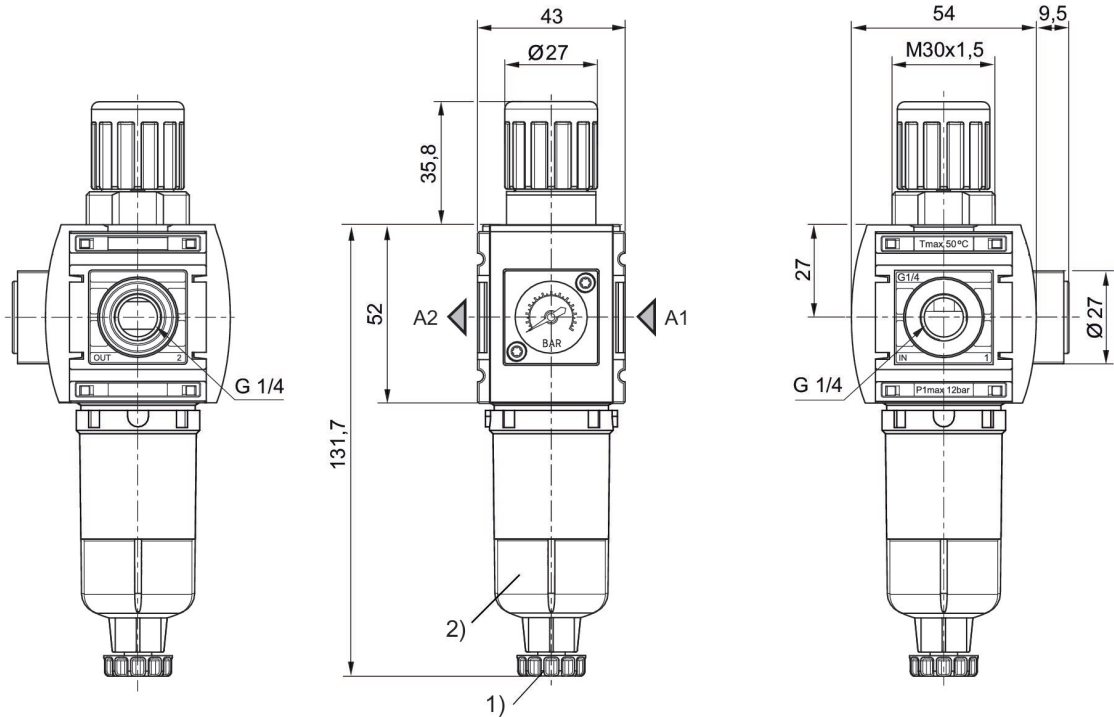
Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, with met- al protective guard	0.5	8	R412014726

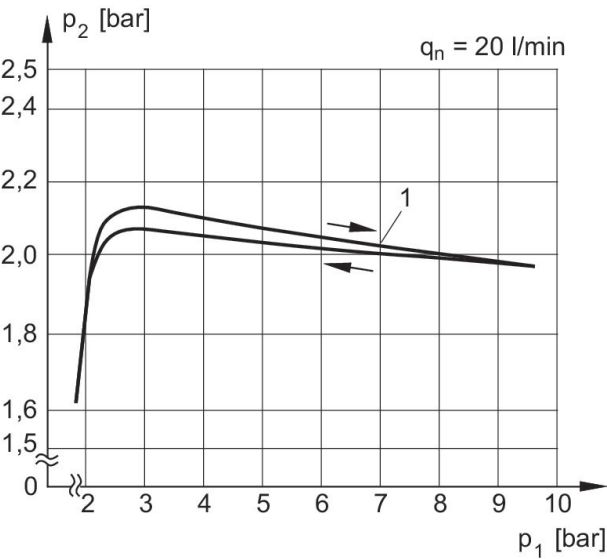
Protec- tive guard	Part No.
metal	R412014726

Dimensions in mm



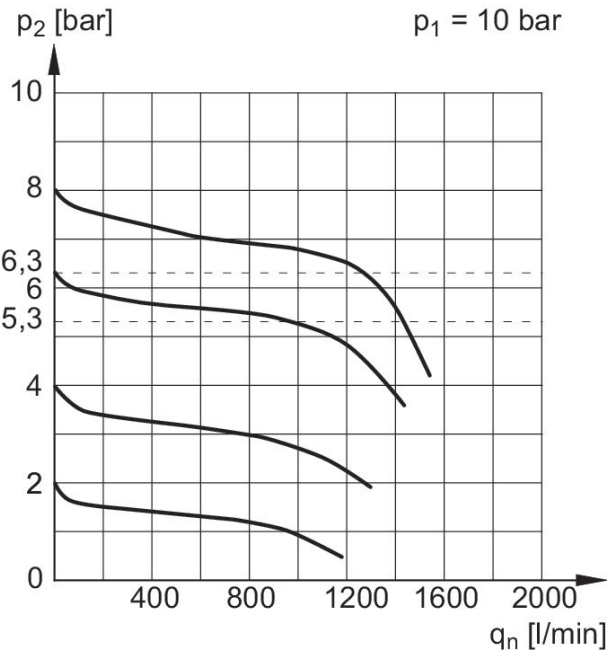
A1 = input
A2 = output
1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

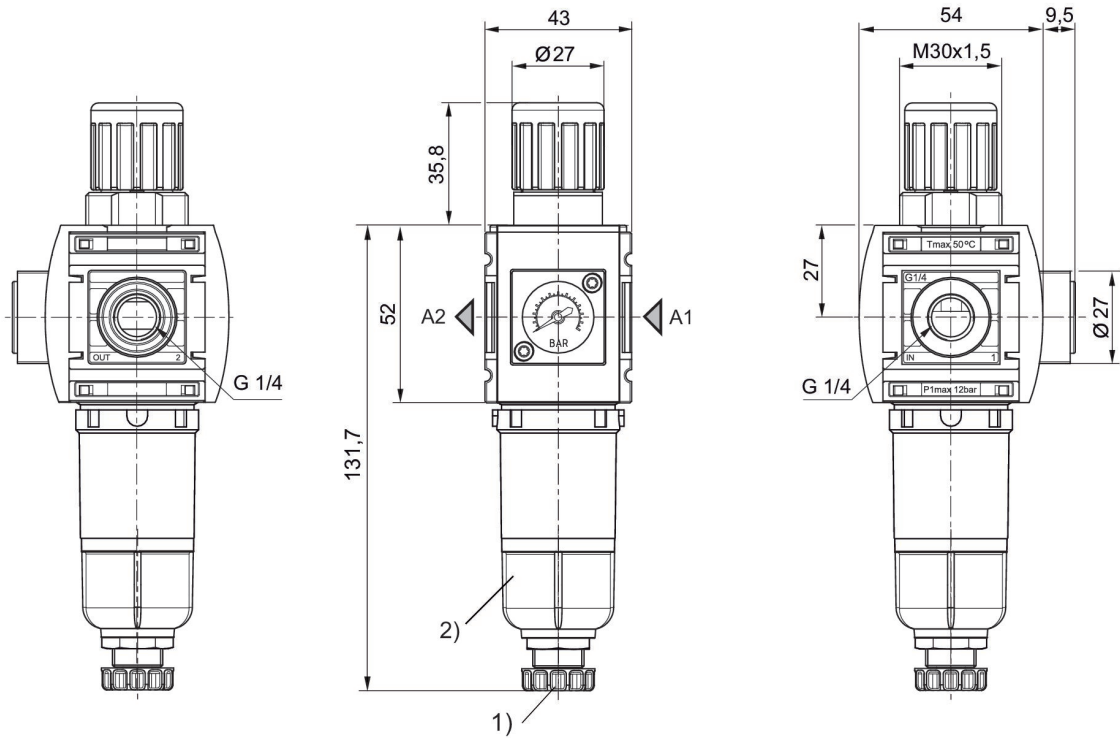
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



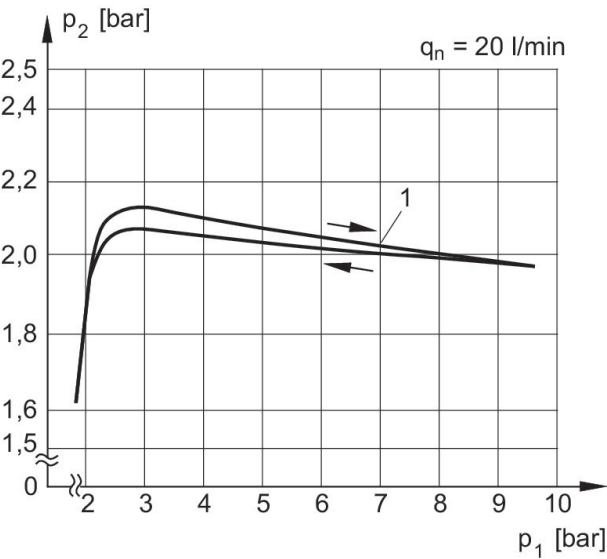
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	Metal reser- voir without window	0.5	8	R412014727

Dimensions in mm



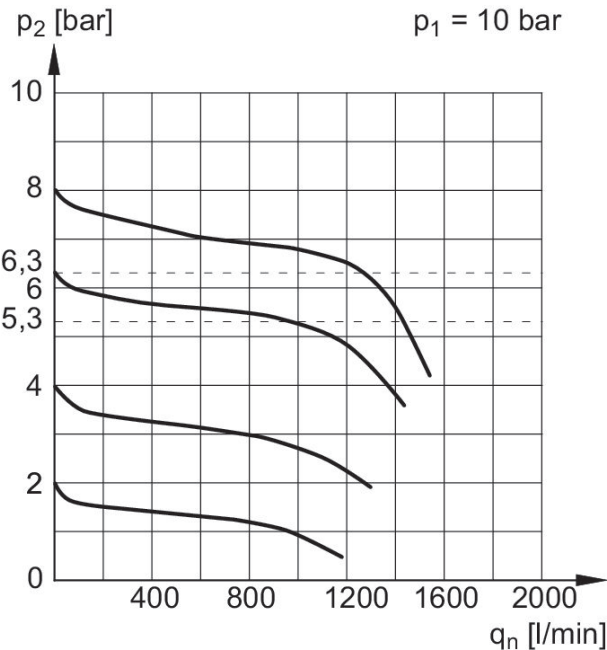
A1 = input
A2 = output
1) Semi-automatic condensate drain
2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

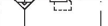
Flow rate characteristic, $p_2 = 0,05 - 7$ bar



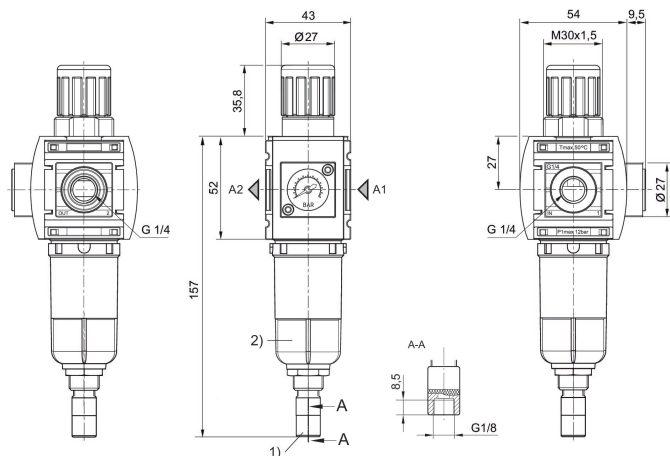
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



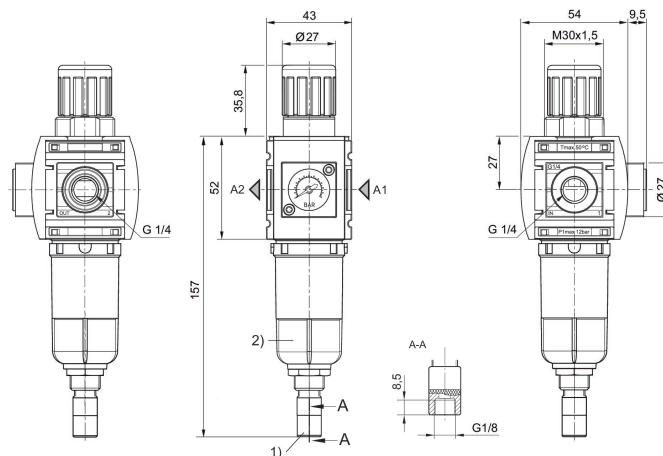
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	Metal reser- voir without window	0.5	8	R412014728
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	Metal reser- voir without window	0.5	8	R412014729

Dimensions in mm



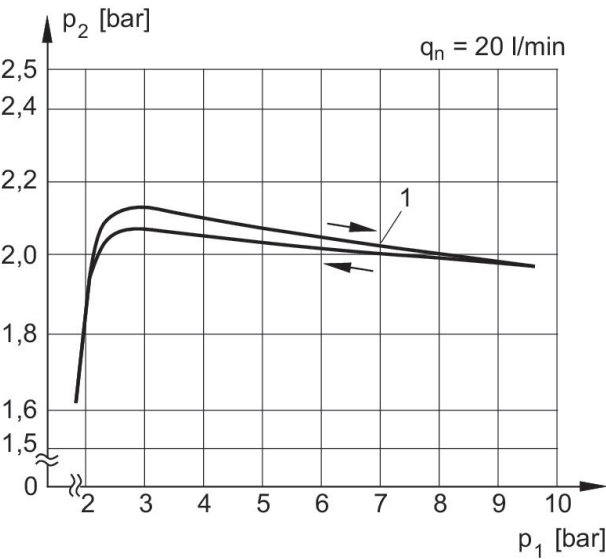
A1 = input
A2 = output
1) Fully automatic condensate drain
2) Reservoir: metal

Dimensions in mm



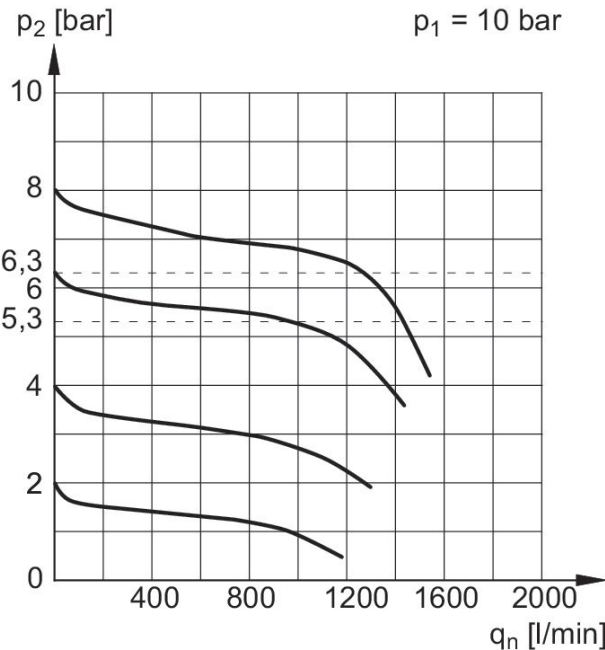
A1 = input
A2 = output
1) Fully automatic condensate drain
2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

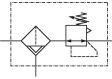


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

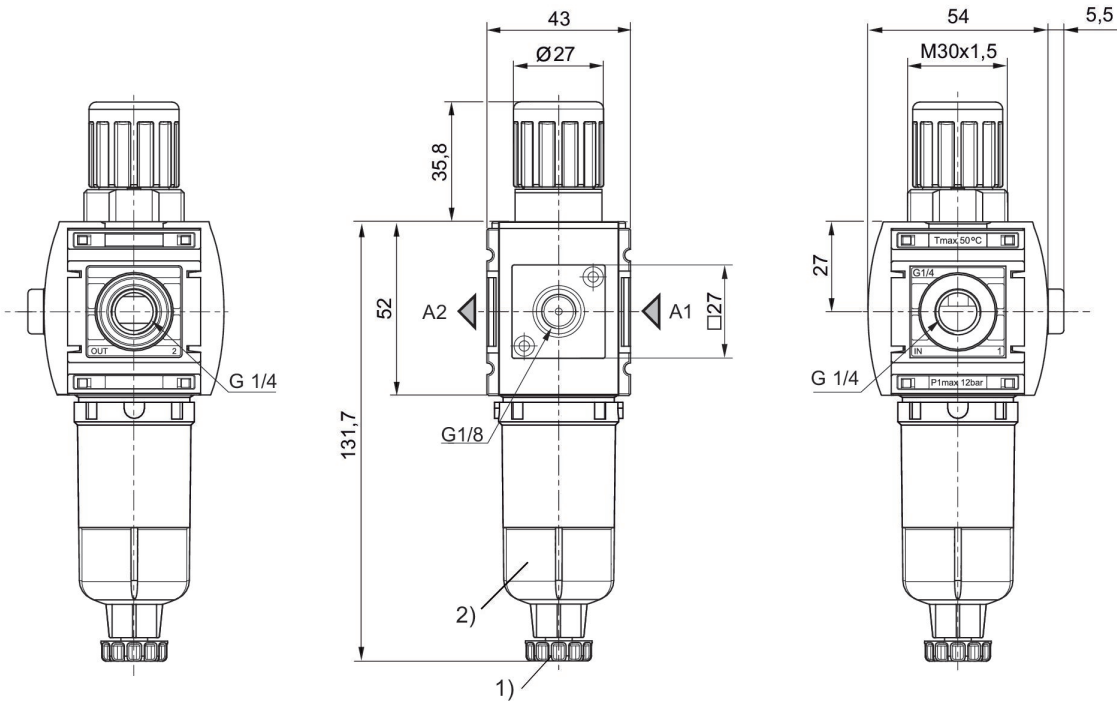
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



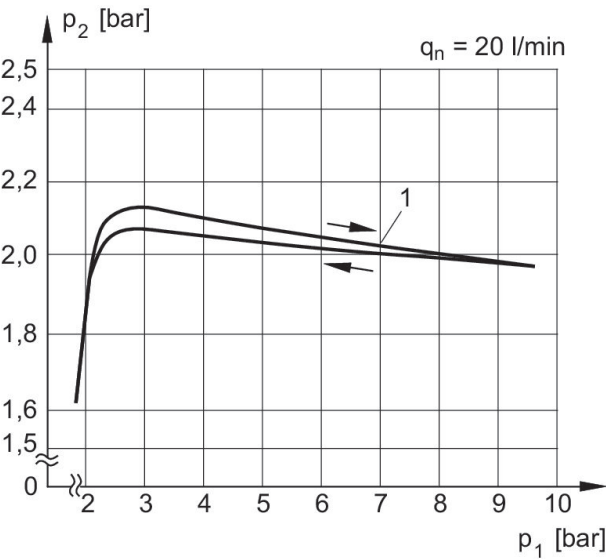
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	8	R412014730

Dimensions in mm



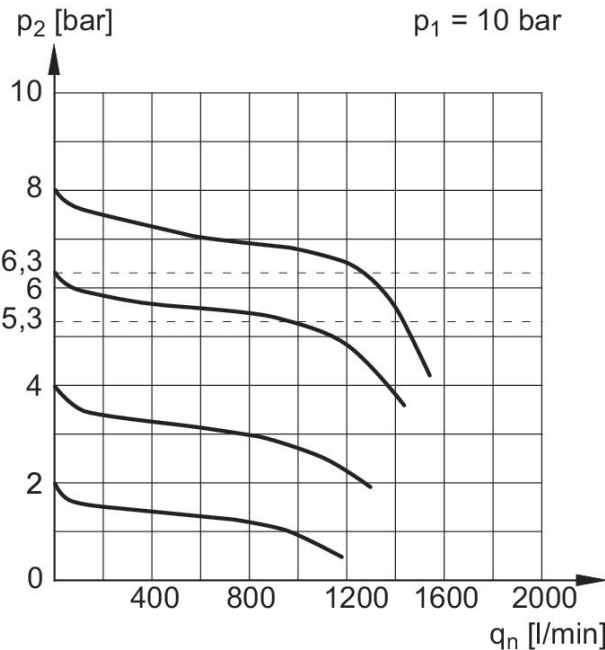
- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

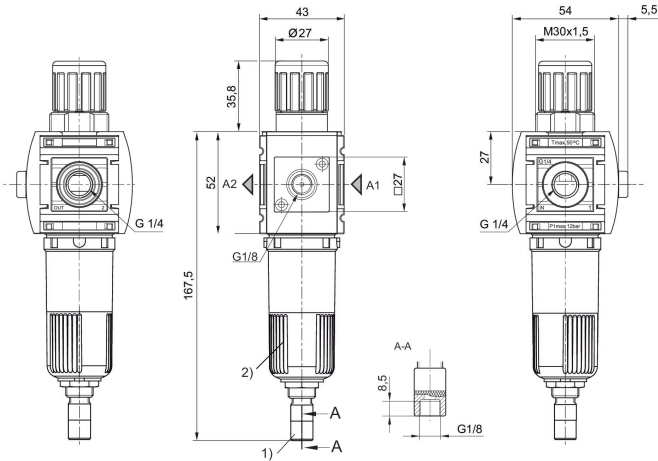
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014731
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	reservoir, polycarbon- ate, without protective guard	0.5	8	R412014732

R412014731

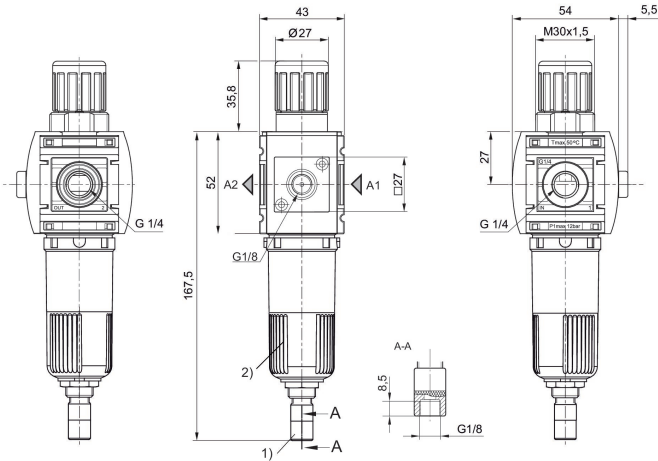
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

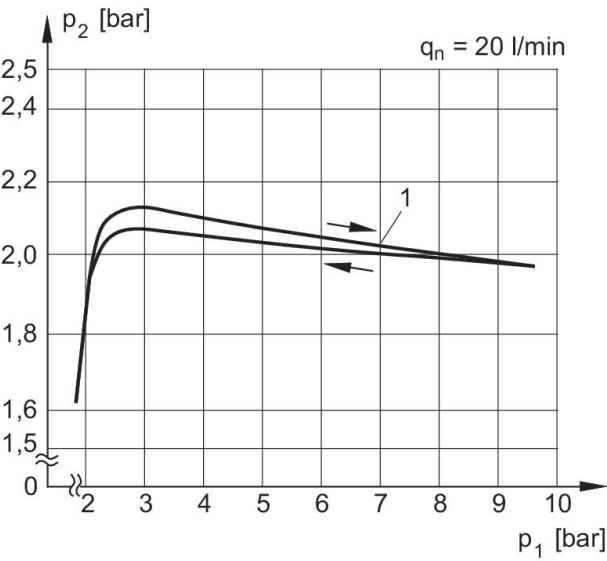
R412014732

Dimensions in mm



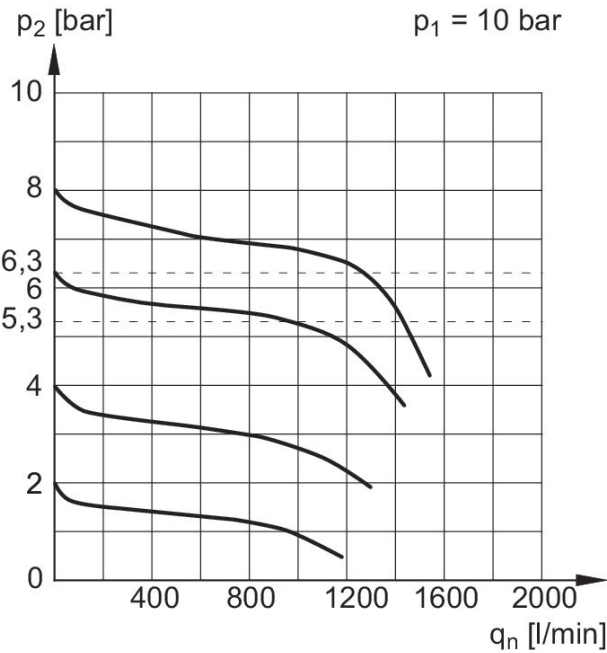
- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

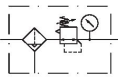


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

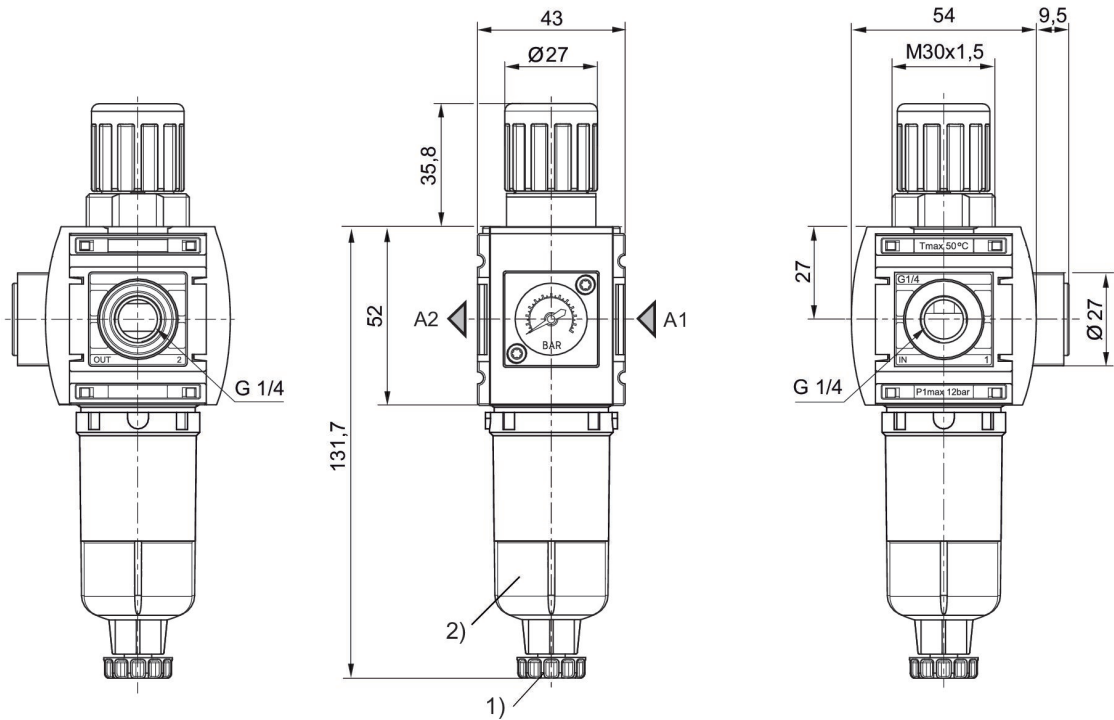
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



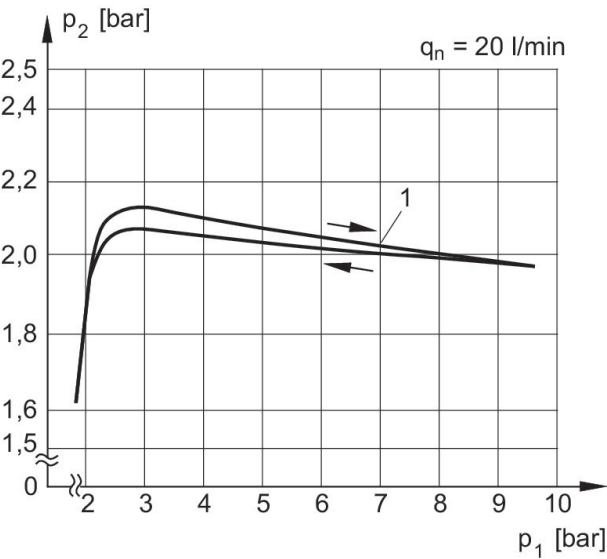
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	R412014733

Dimensions in mm



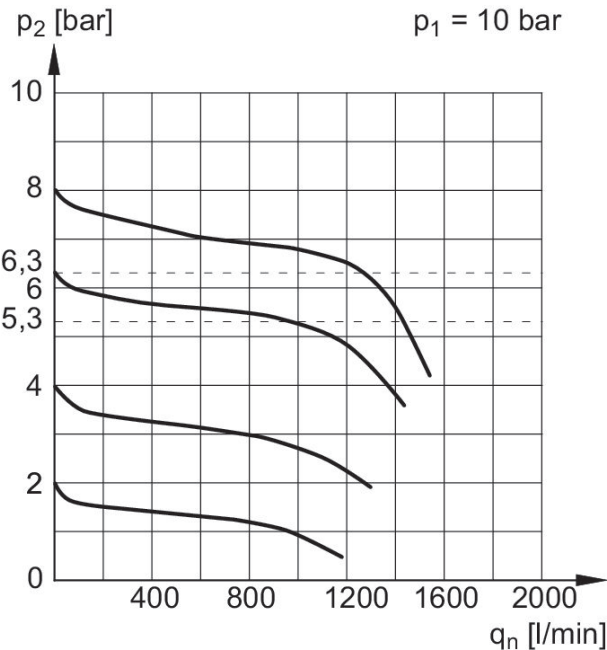
- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

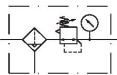
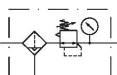


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

Filter pressure regulator, Series AS1-FRE

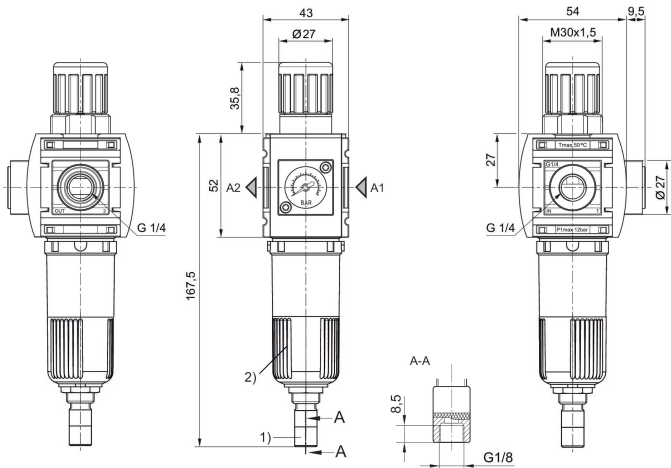
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Reservoir	Min. regulation range [bar]	Max. regulation range [bar]	Part No.
	G 1/4	1000	5	fully automatic, open without pressure	reservoir, polycarbonate, without protective guard	0.5	10	R412014734
	G 1/4	1000	5	fully automatic, closed without pressure	reservoir, polycarbonate, without protective guard	0.5	10	R412014735

R412014734

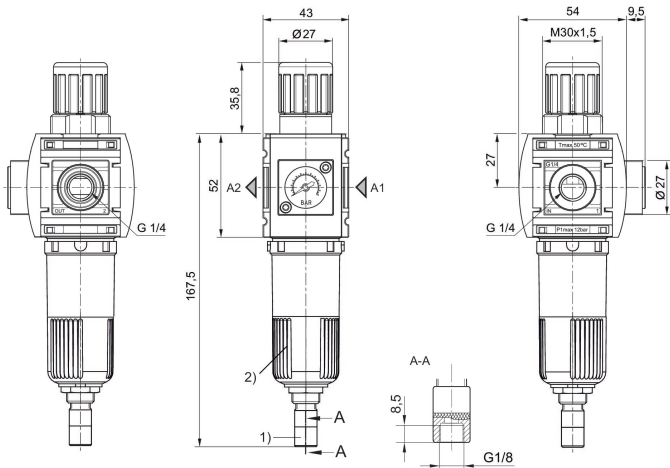
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

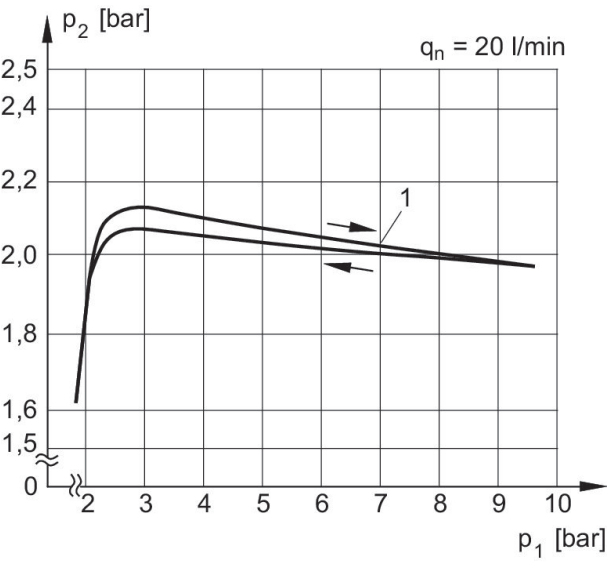
R412014735

Dimensions in mm



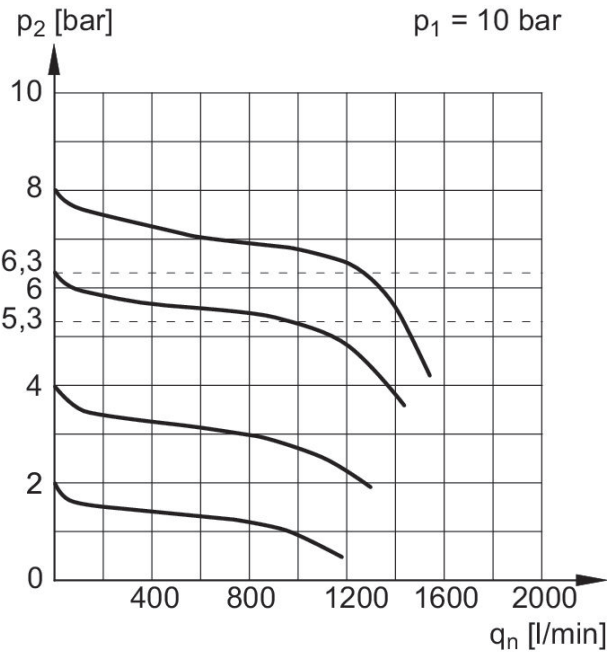
- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Filter pressure regulator, Series AS1-FRE

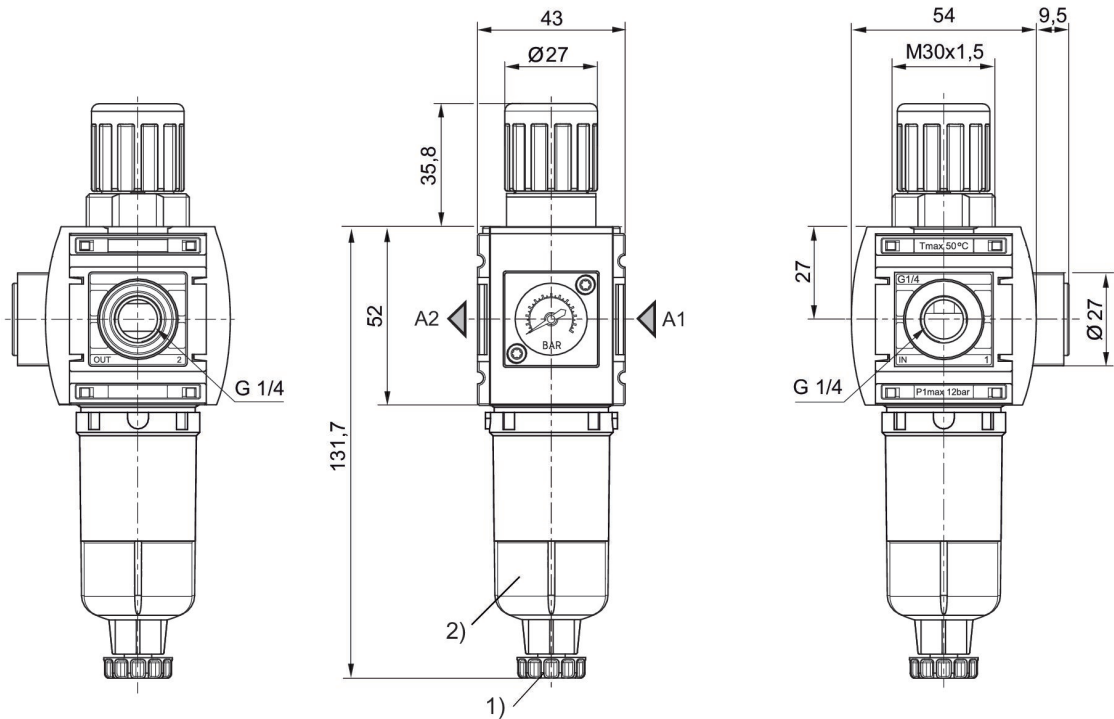
Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	reservoir, polycarbon- ate, with met- al protective guard	0.5	10	R412014736

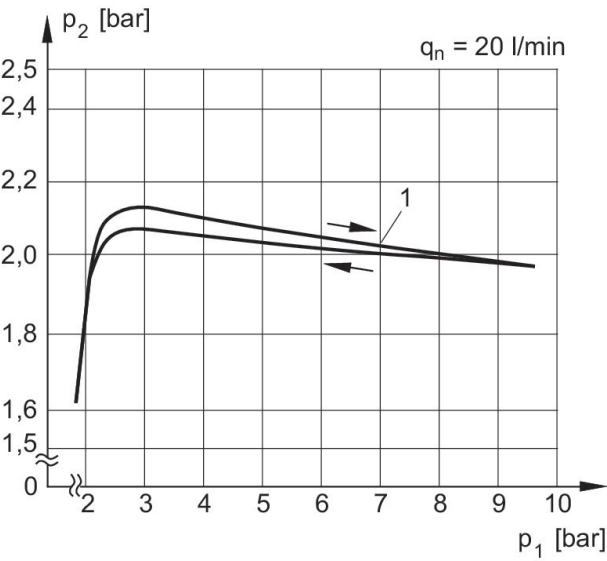
Protec- tive guard	Part No.
metal	R412014736

Dimensions in mm



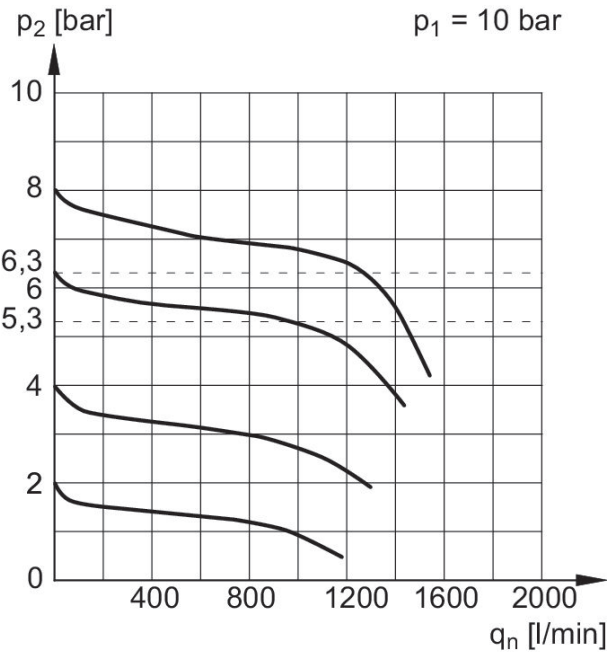
- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

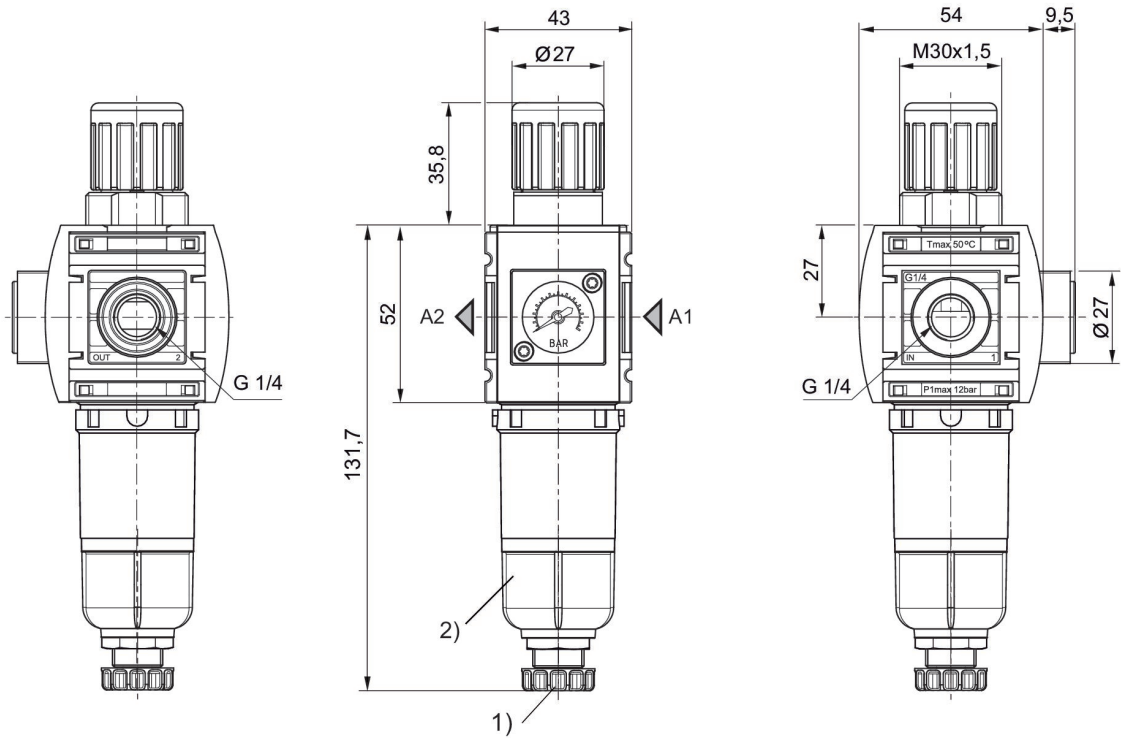
Filter pressure regulator, Series AS1-FRE

Condensate drain: semi-automatic, open without pressure
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



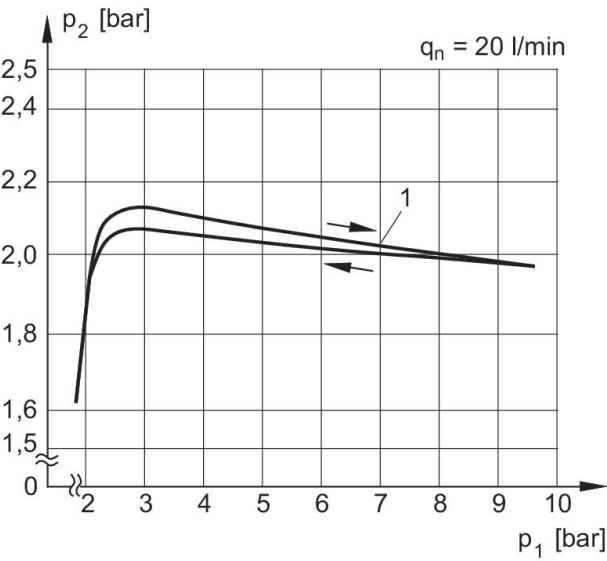
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	Metal reser- voir without window	0.5	10	R412014737

Dimensions in mm



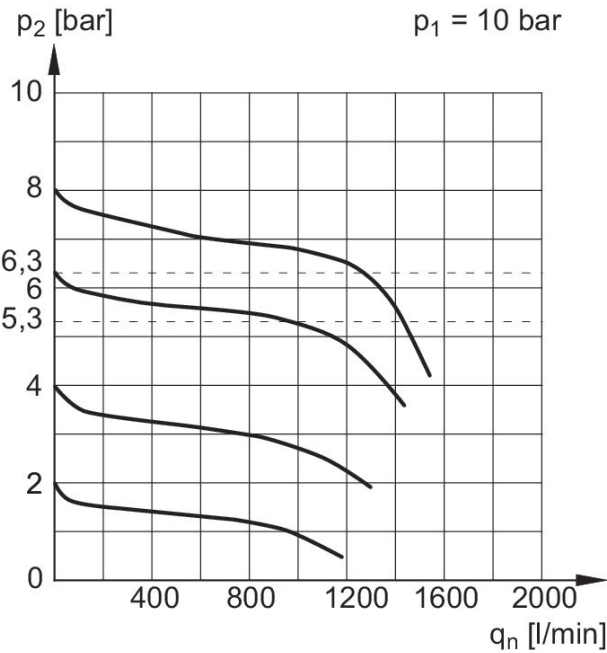
- 1) Semi-automatic condensate drain
2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

Filter pressure regulator, Series AS1-FRE

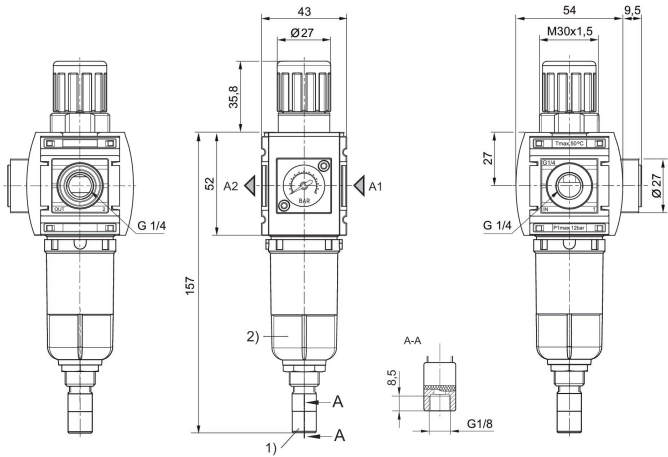
Parts: Filter pressure regulator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Reservoir	Min. regula- tion range [bar]	Max. regula- tion range [bar]	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	Metal reser- voir without window	0.5	10	R412014738
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	Metal reser- voir without window	0.5	10	R412014739

R412014738

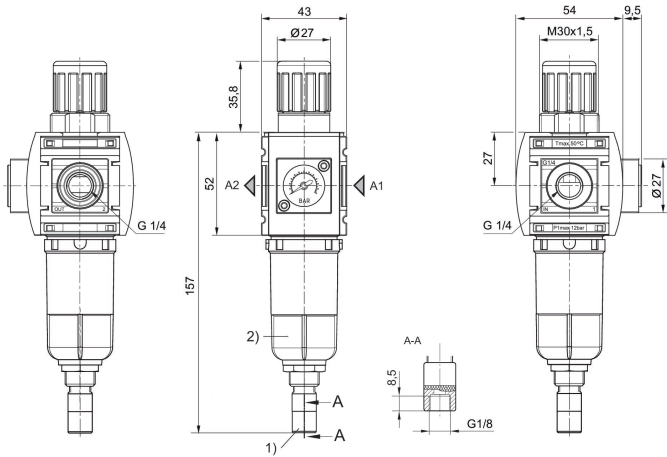
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

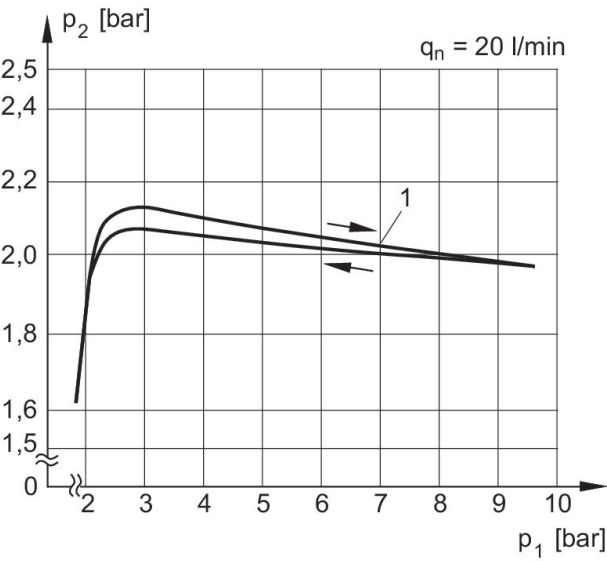
R412014739

Dimensions in mm



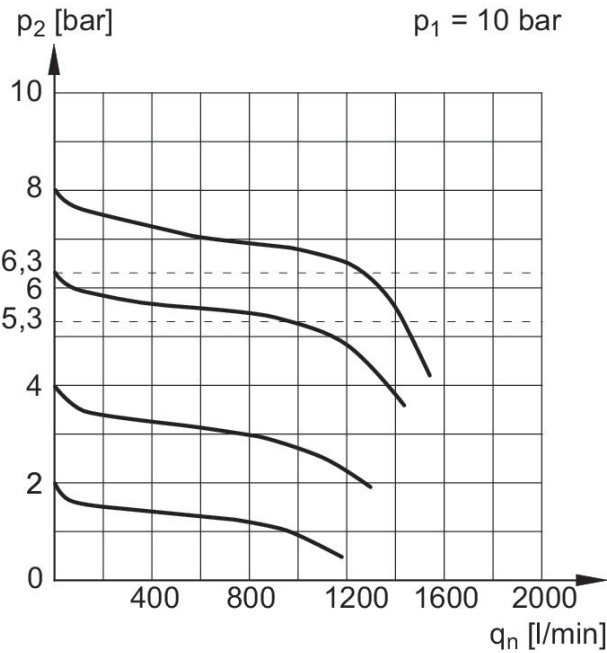
- 1) Fully automatic condensate drain
2) Reservoir: metal

Pressure characteristics curve



p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
1) = Starting point

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



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

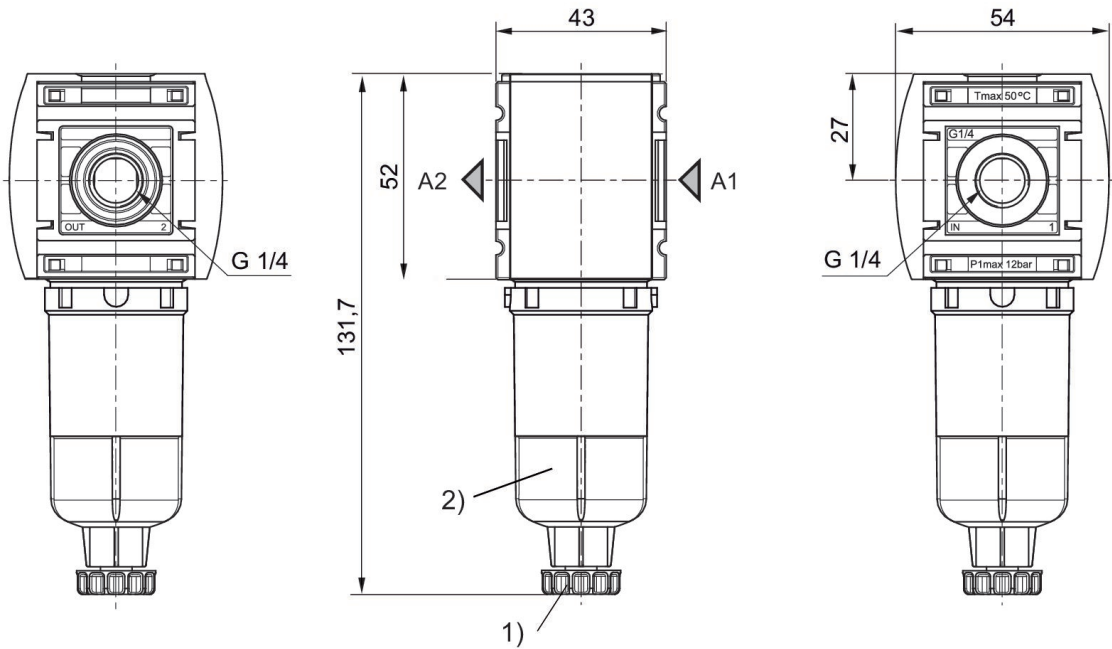
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



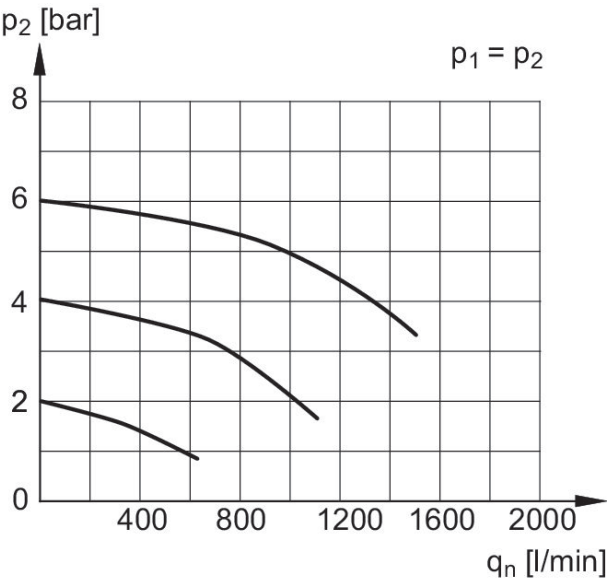
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	right	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014678

Dimensions in mm



- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

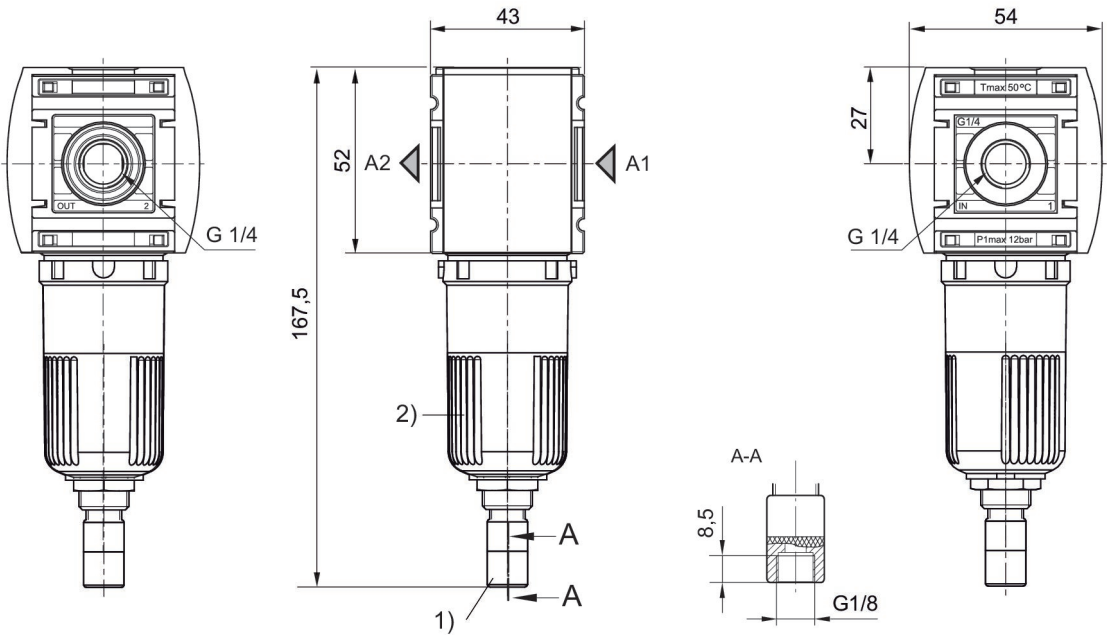
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: fully automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



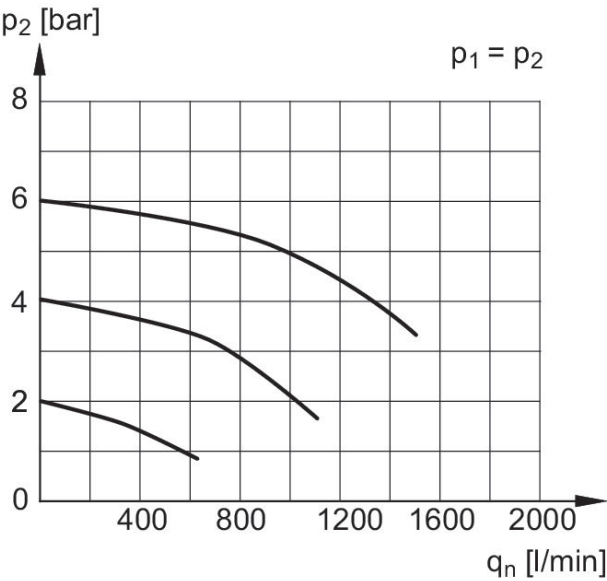
	Port	Nominal flow [l/min]	Filter porosity [μm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	fully automat- ic, open with- out pressure	right	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014679

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Standard filter, Series AS1-FLS

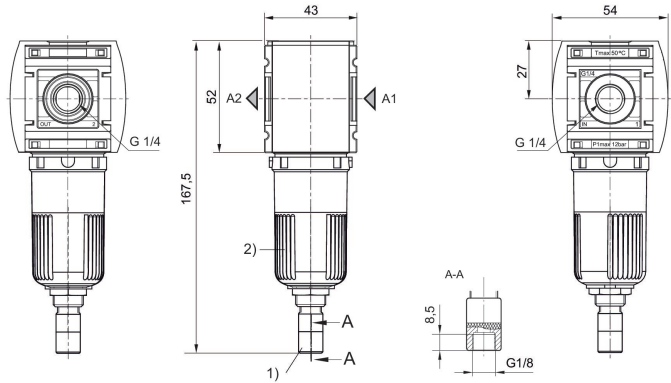
Flow Flow: 1000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	fully auto- matic, closed without pres- sure	right	reservoir, polycarbon- ate, without protective guard	Cellpor	R412014680
	G 1/4	1000	5	semi-auto- matic, open without pres- sure	right	reservoir, polycarbon- ate, with met- al protective guard	Cellpor	R412014681

R412014680

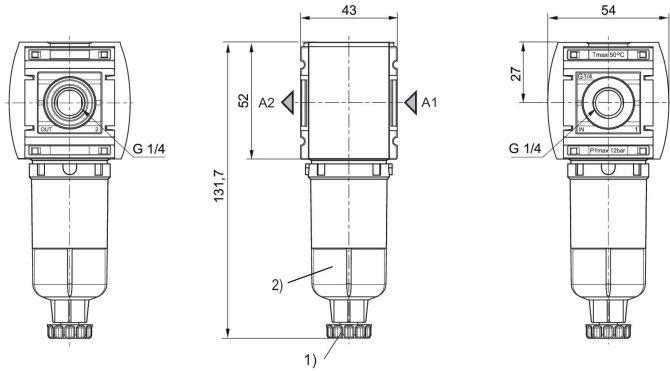
Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

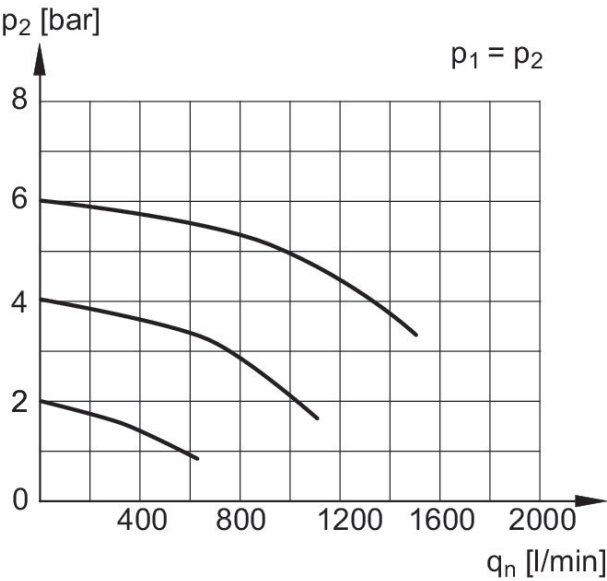
R412014681

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

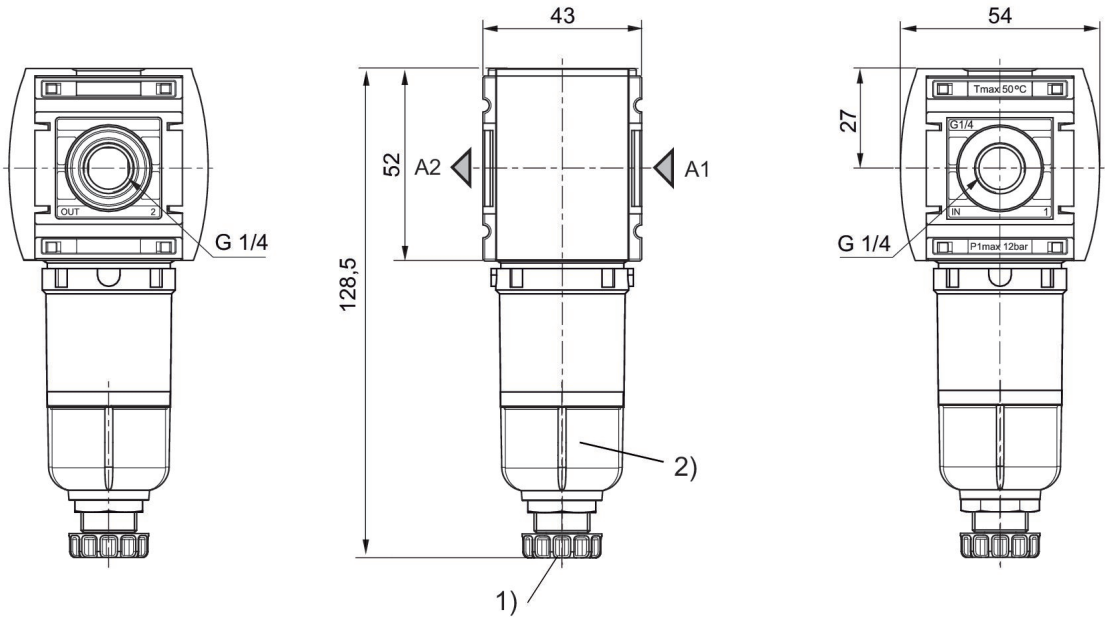
Standard filter, Series AS1-FLS

Flow Flow: 1000 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



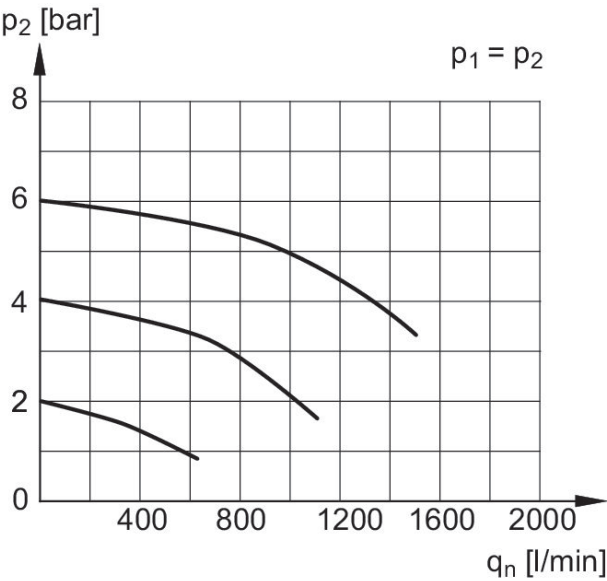
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	semi-automatic, open without pressure	right	Metal reservoir without window	Cellpor	R412014682

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Standard filter, Series AS1-FLS

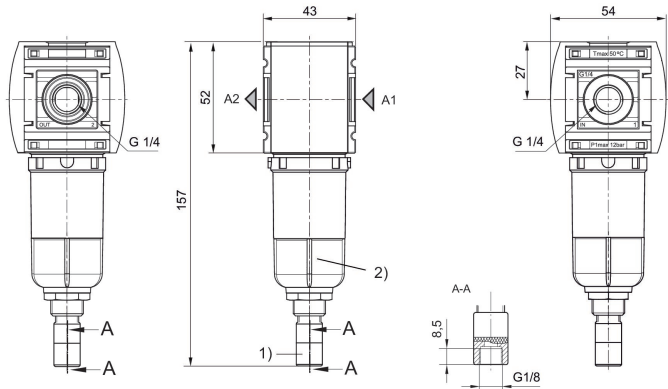
Flow Flow: 1000 l/min
Parts: Filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	1000	5	fully automatic, open without pressure	right	Metal reservoir without window	Cellpor	R412014683
	G 1/4	1000	5	fully automatic, closed without pressure	right	Metal reservoir without window	Cellpor	R412014684

R412014683

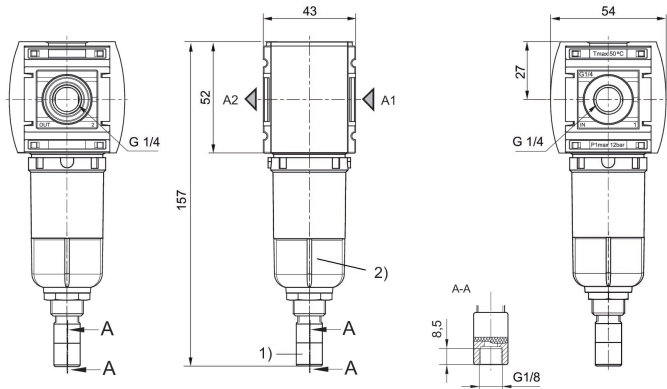
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

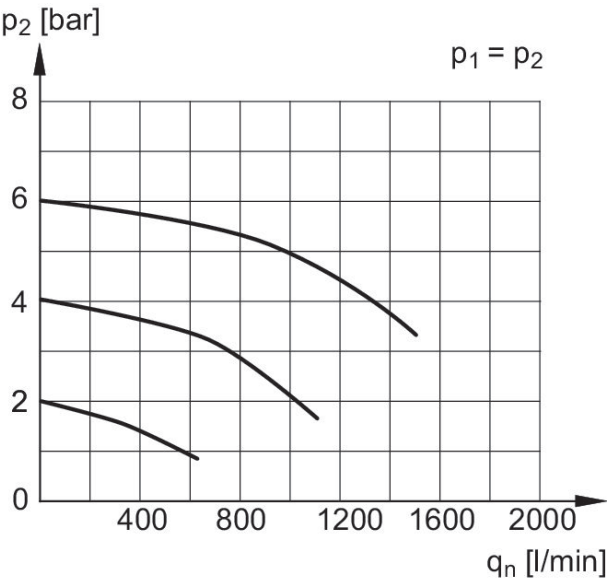
R412014684

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

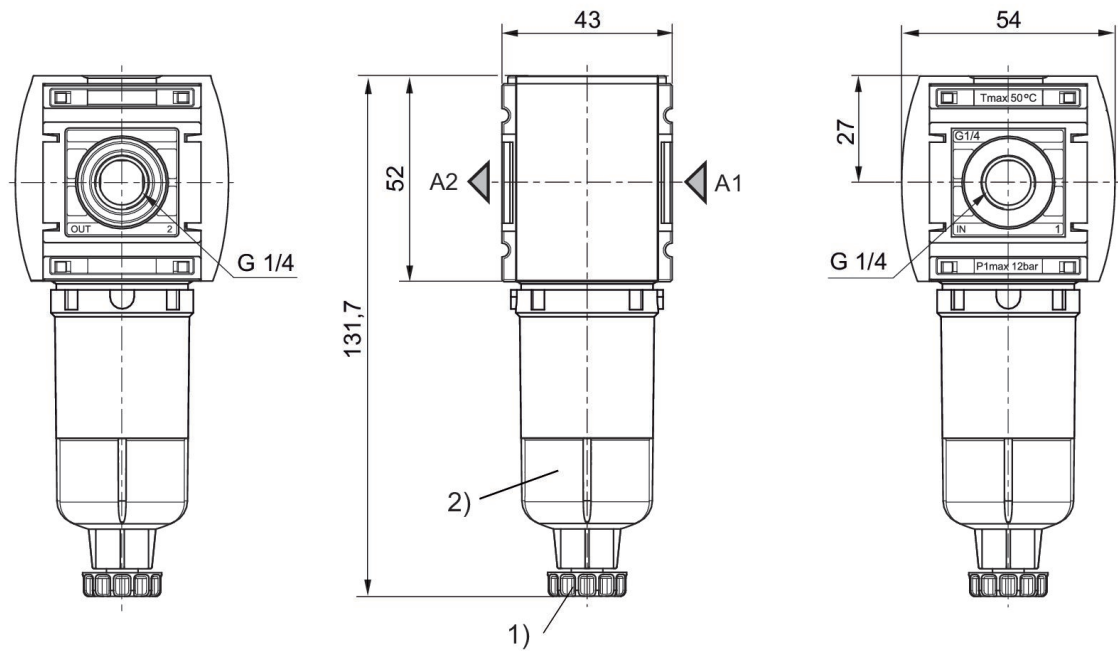
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



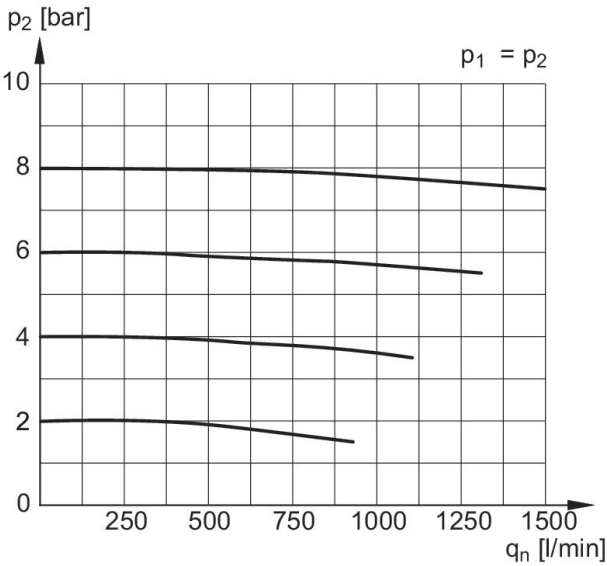
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-auto- matic, open without pres- sure	right	reservoir, polycarbon- ate, without protective guard	Impregnated paper	R412014685

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar



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

Pre-filter, Series AS1-FLP

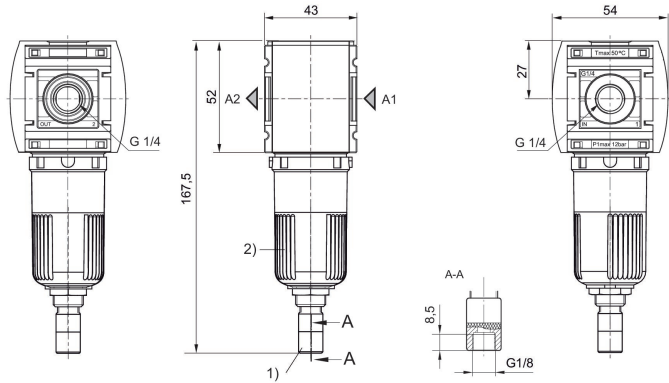
Flow Flow: 350 l/min
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully automatic, open without pressure	right	reservoir, polycarbonate, without protective guard	Impregnated paper	R412014686
	G 1/4	350	0.3	fully automatic, closed without pressure	right	reservoir, polycarbonate, without protective guard	Impregnated paper	R412014687

R412014686

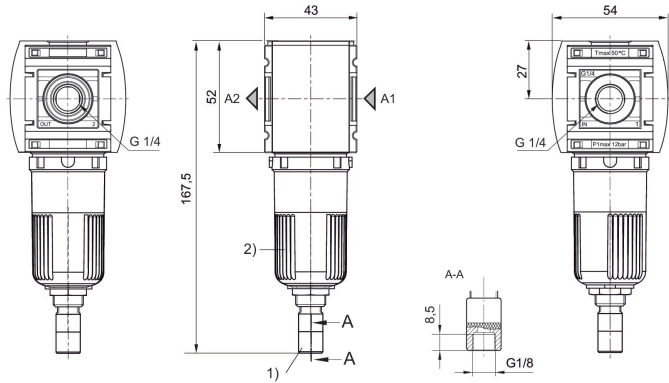
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

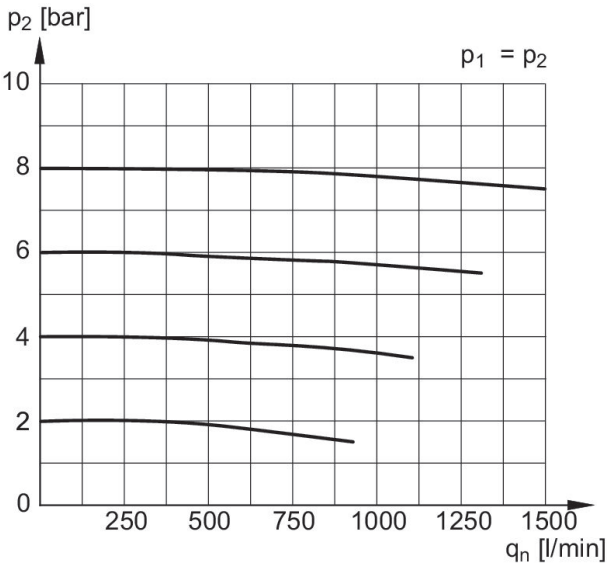
R412014687

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

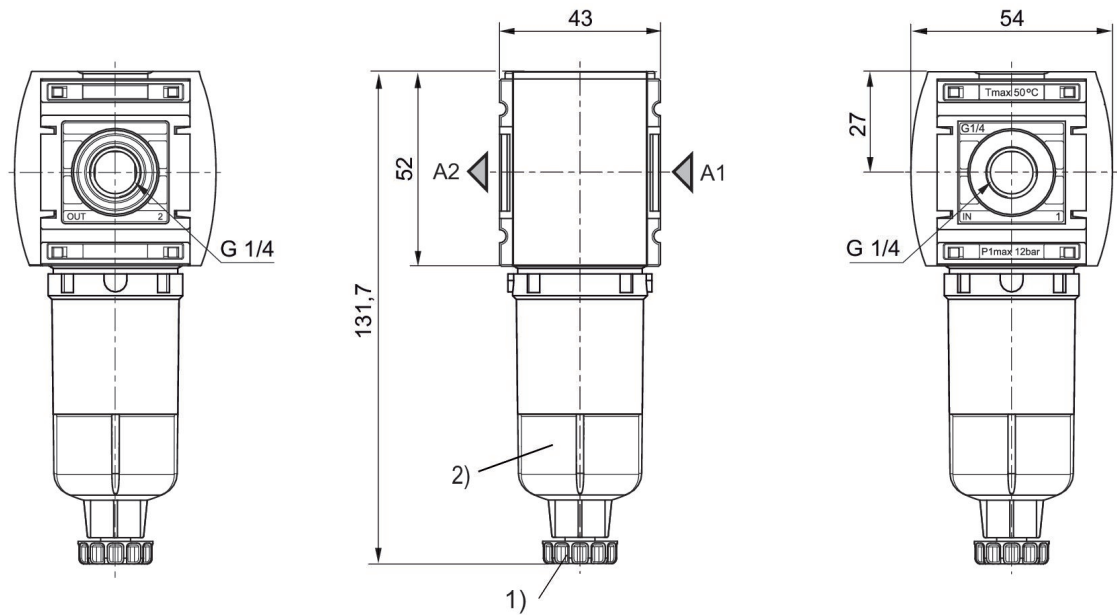
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



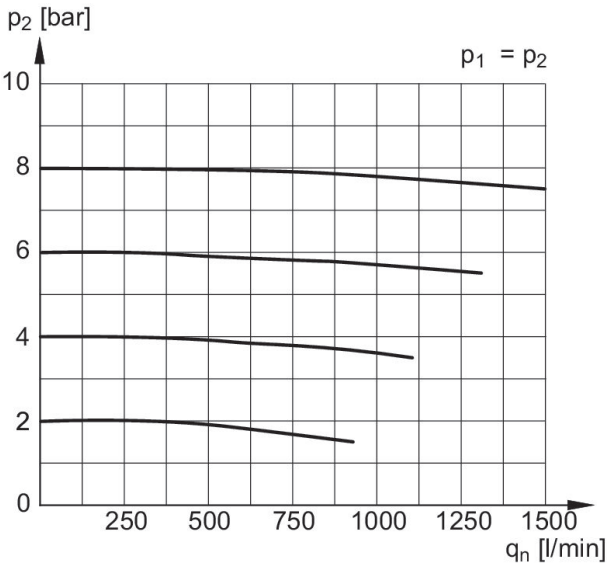
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-auto- matic, open without pres- sure	right	reservoir, polycarbon- ate, with met- al protective guard	Impregnated paper	R412014688

Dimensions in mm



- 1) Semi-automatic condensate drain
2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

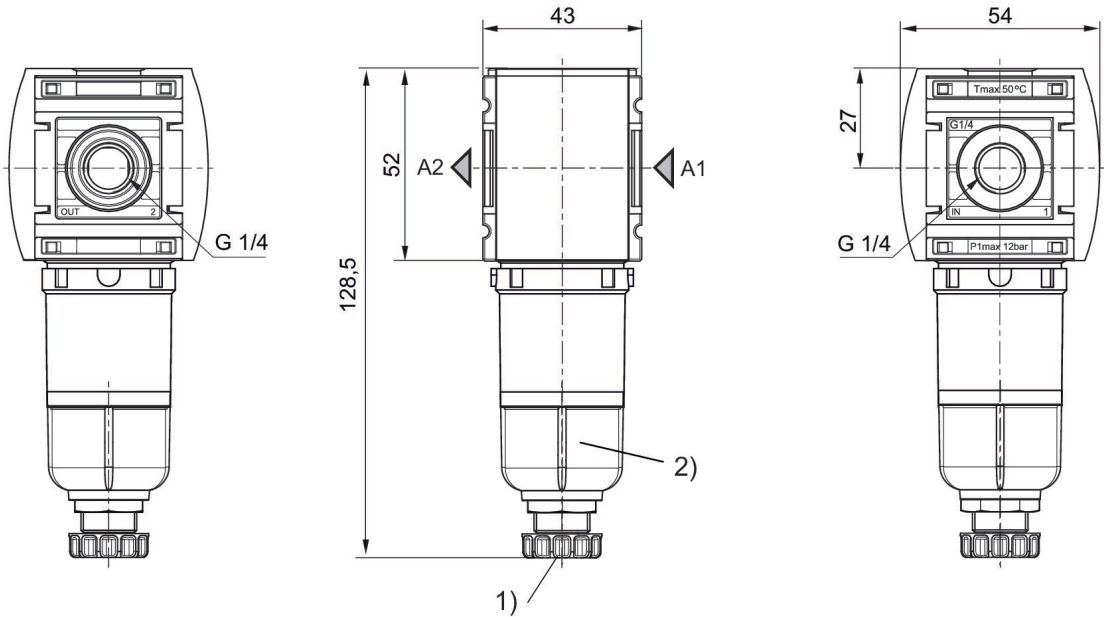
Pre-filter, Series AS1-FLP

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



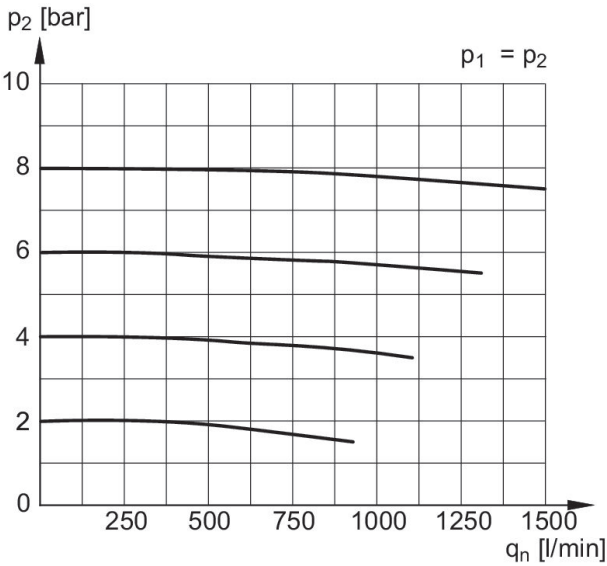
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	semi-automatic, open without pressure	right	Metal reservoir without window	Impregnated paper	R412014689

Dimensions in mm



- 1) Semi-automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

Pre-filter, Series AS1-FLP

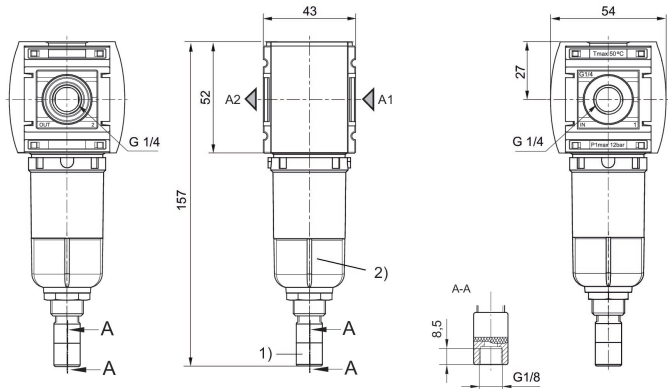
Flow Flow: 350 l/min
Parts: Pre-filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.3	fully automat- ic, open with- out pressure	right	Metal reser- voir without window	Impregnated paper	R412014690
	G 1/4	350	0.3	fully auto- matic, closed without pres- sure	right	Metal reser- voir without window	Impregnated paper	R412014691

R412014690

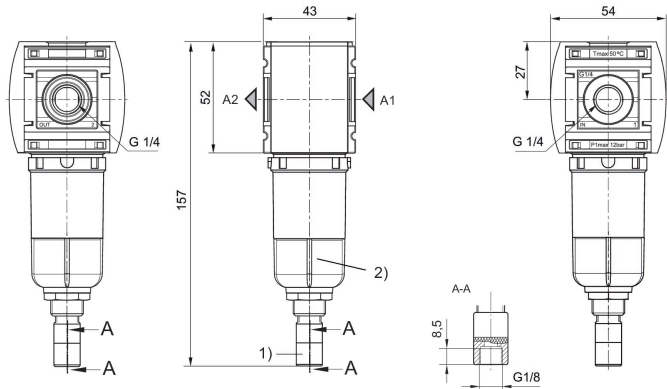
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

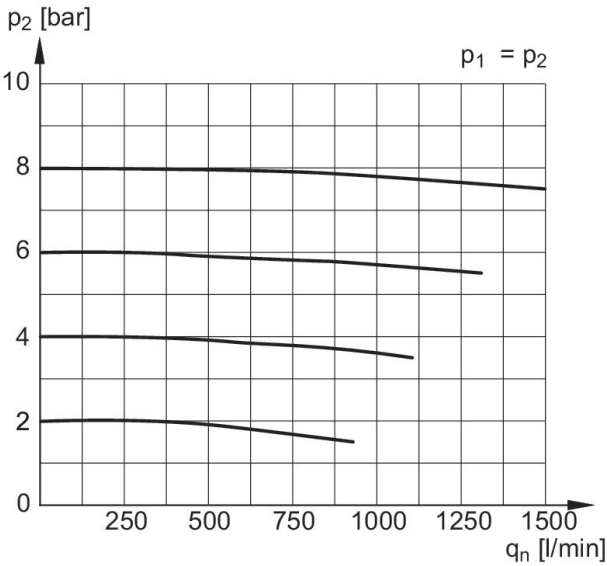
R412014691

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

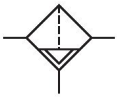


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

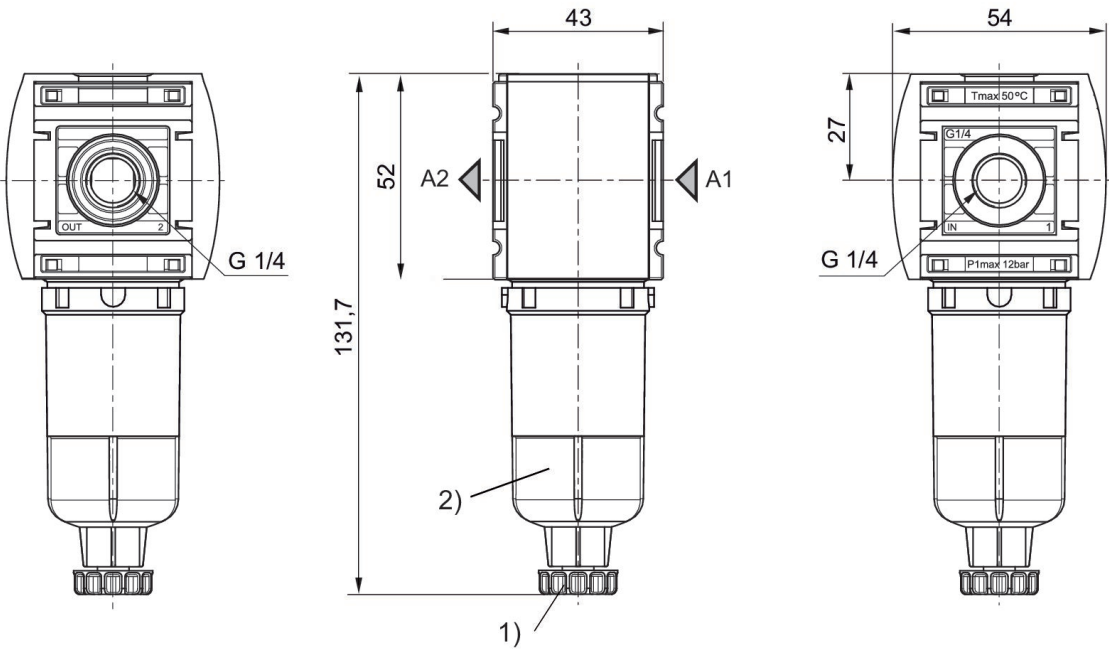
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



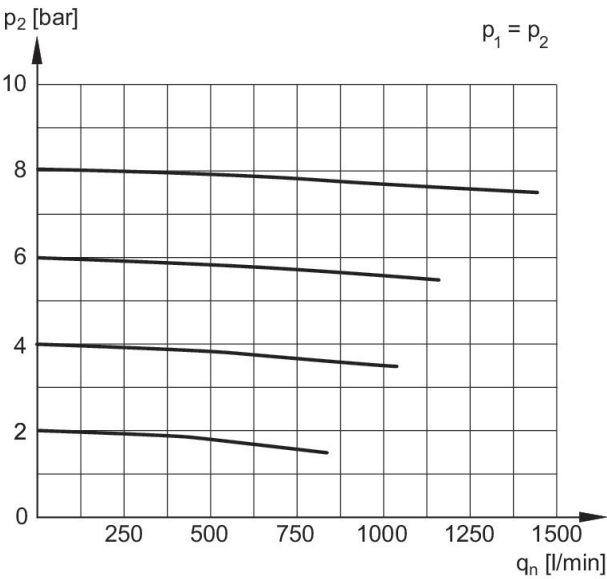
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-auto- matic, open without pres- sure	right	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014692

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar

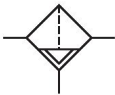


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

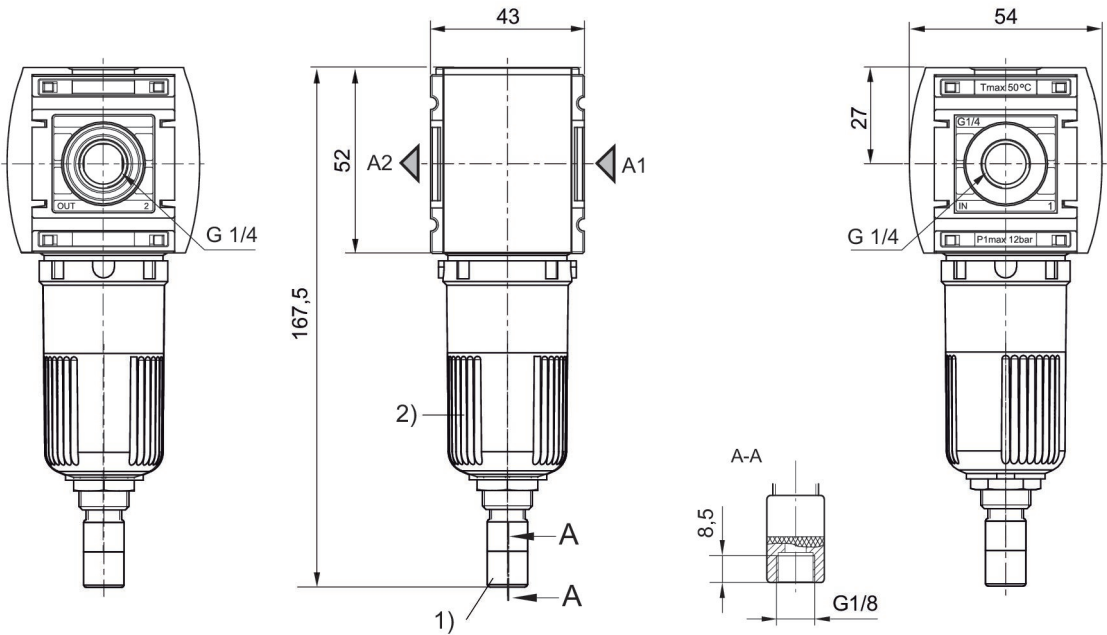
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: fully automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



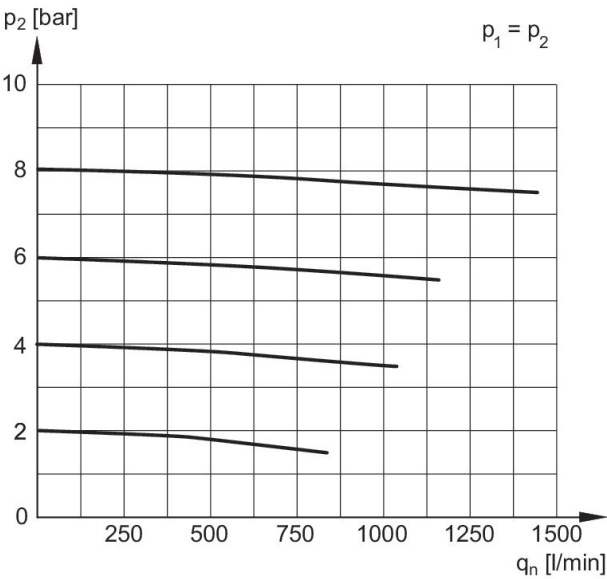
	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully automat- ic, open with- out pressure	right	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014693

Dimensions in mm



Fully automatic condensate drain
Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar

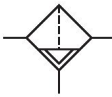


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

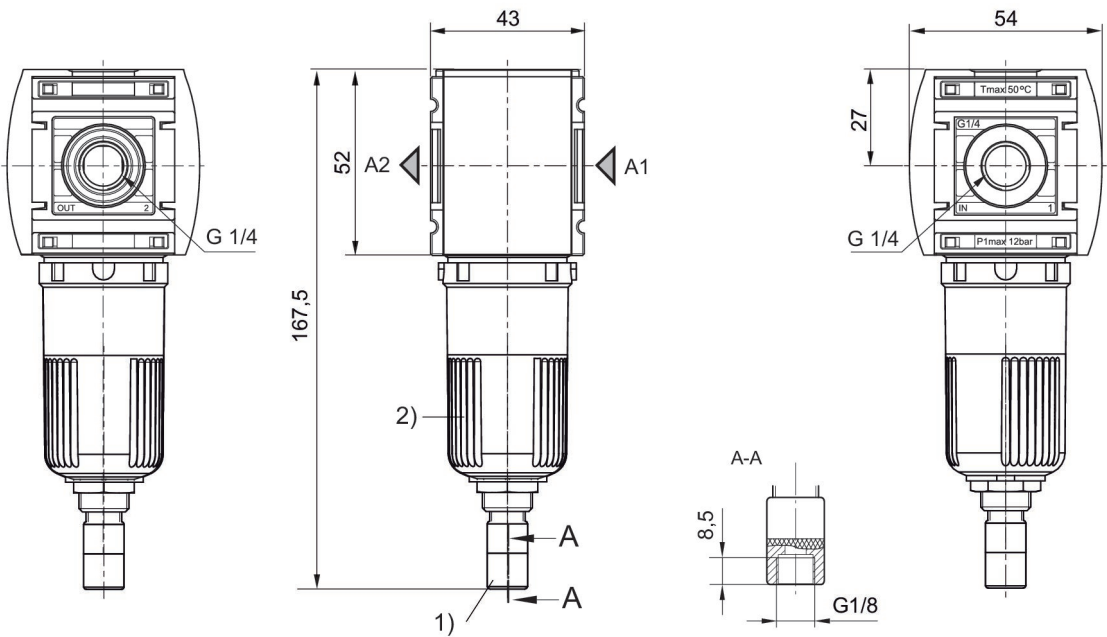
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: fully automatic, closed without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



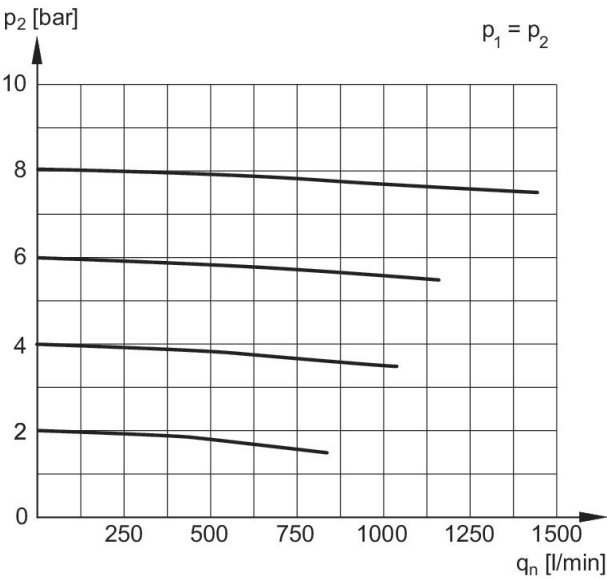
	Port	Nominal flow [l/min]	Filter porosity [μm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully auto- matic, closed without pres- sure	right	reservoir, polycarbon- ate, without protective guard	Borosilicate aluminum	R412014694

Dimensions in mm



- 1) Fully automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

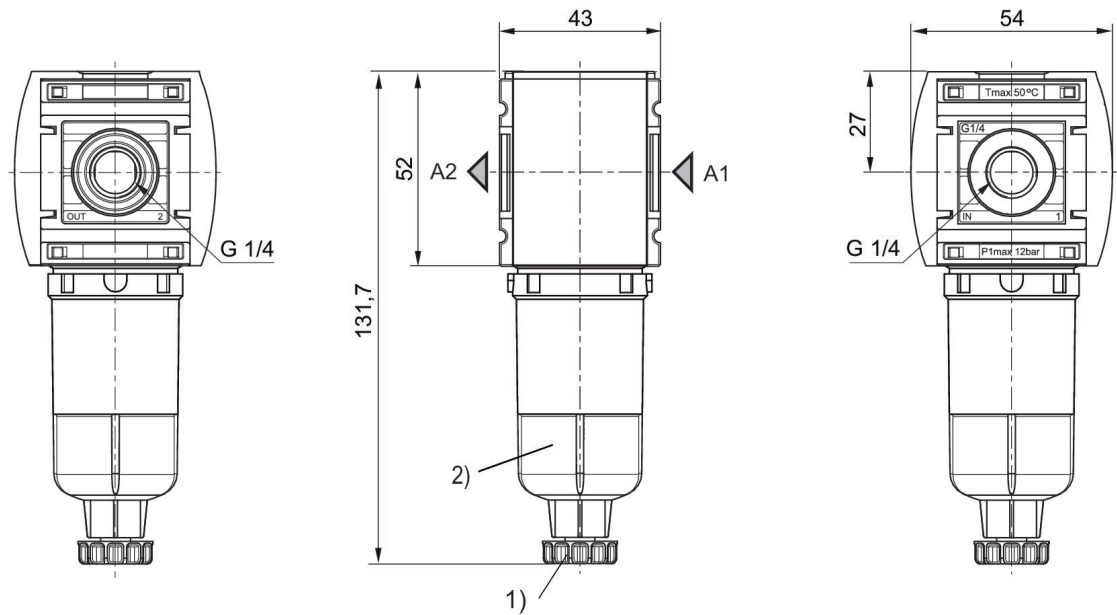
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



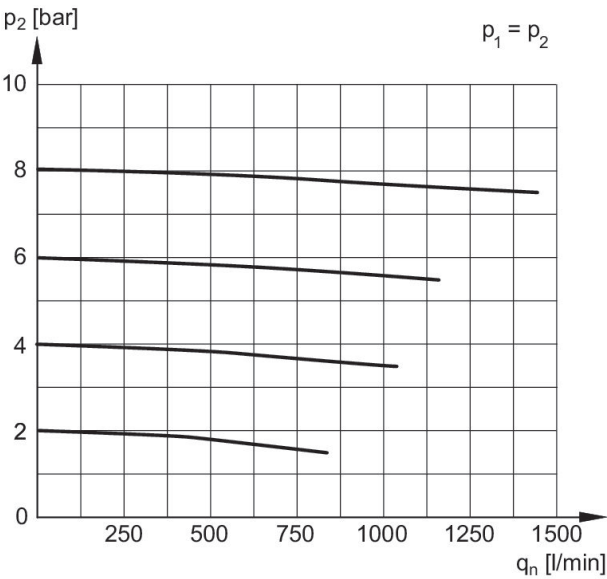
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-automatic, open without pressure	right	reservoir, polycarbonate, with metal protective guard	Borosilicate aluminum	R412014695

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: polycarbonate

Flow rate characteristic, p2 = 0,05 - 7 bar



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

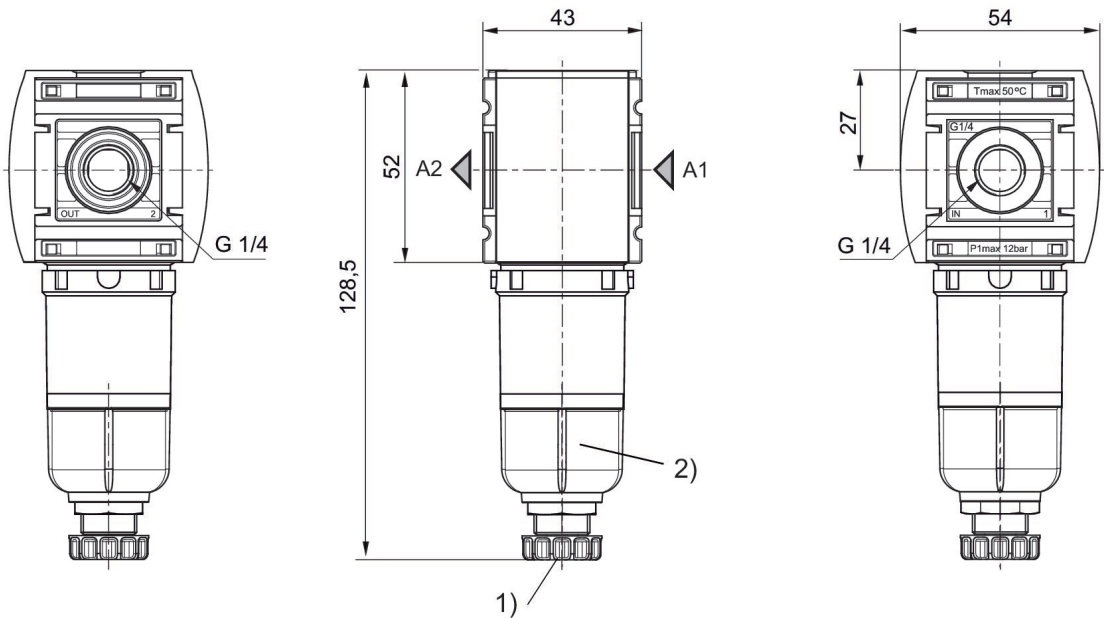
Microfilter, Series AS1-FLC

Flow Flow: 350 l/min
Condensate drain: semi-automatic, open without pressure
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



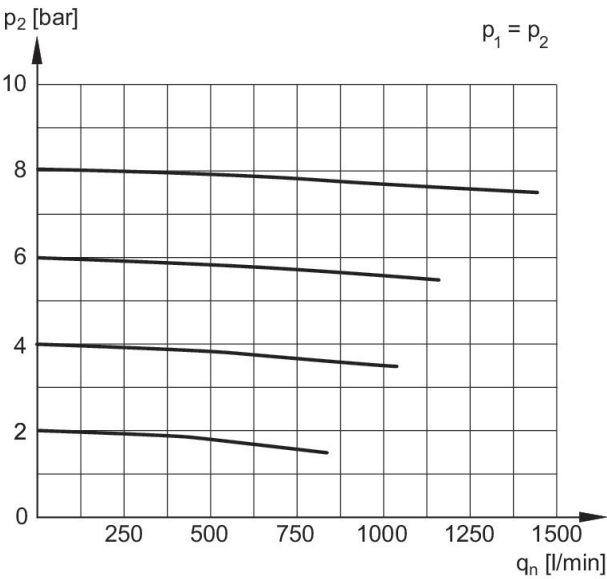
	Port	Nominal flow [l/min]	Filter porosity [µm]	Condensate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	semi-automatic, open without pressure	right	Metal reservoir without window	Borosilicate aluminum	R412014696

Dimensions in mm



- 1) Semi-automatic condensate drain
- 2) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar



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

Microfilter, Series AS1-FLC

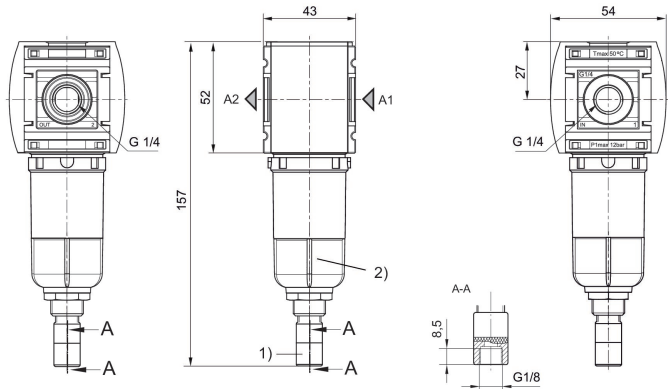
Flow Flow: 350 l/min
Parts: Microfilter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 1.5 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Filter porosity [µm]	Conden- sate drain	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	0.01	fully automat- ic, open with- out pressure	right	Metal reser- voir without window	Borosilicate aluminum	R412014697
	G 1/4	350	0.01	fully auto- matic, closed without pres- sure	right	Metal reser- voir without window	Borosilicate aluminum	R412014698

R412014697

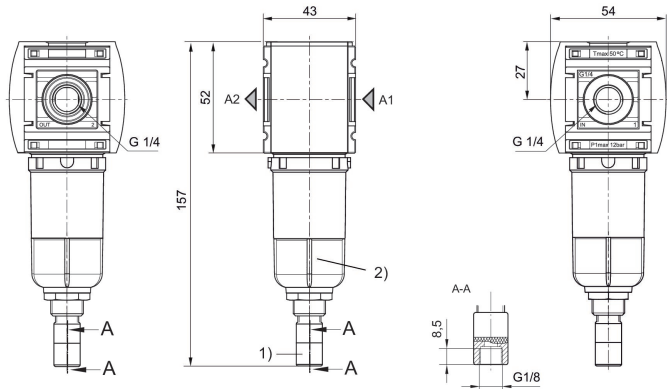
Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

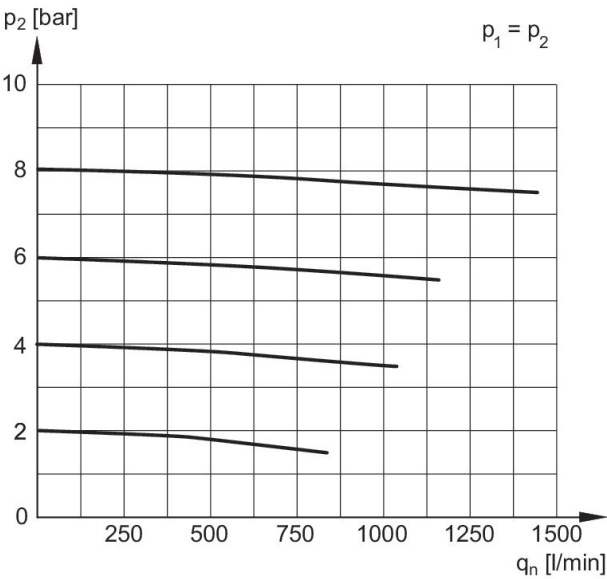
R412014698

Dimensions in mm



- 1) Fully automatic condensate drain
2) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar

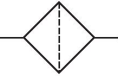


p1 = Working pressure
p2 = Secondary pressure
qn = Nominal flow

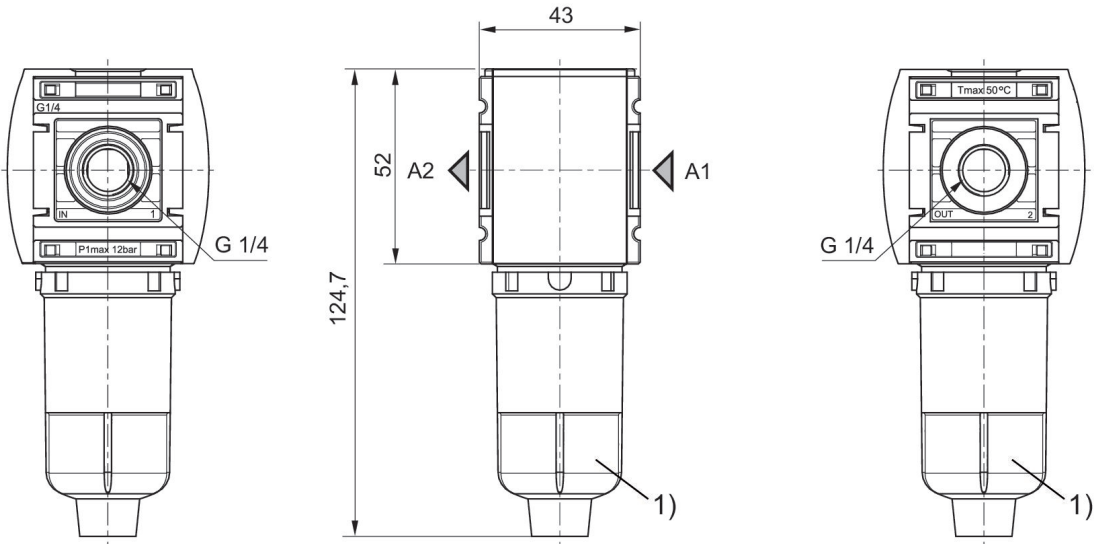
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



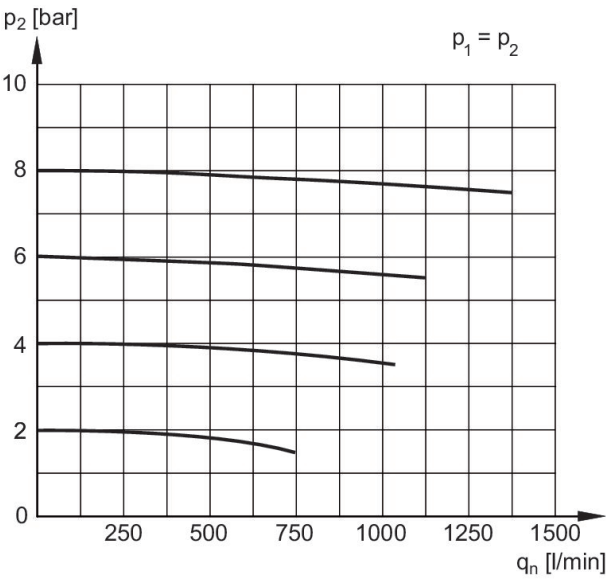
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	right	reservoir, polycarbonate, without protective guard	Active carbon	R412014699

Dimensions in mm



1) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$

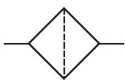


p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow

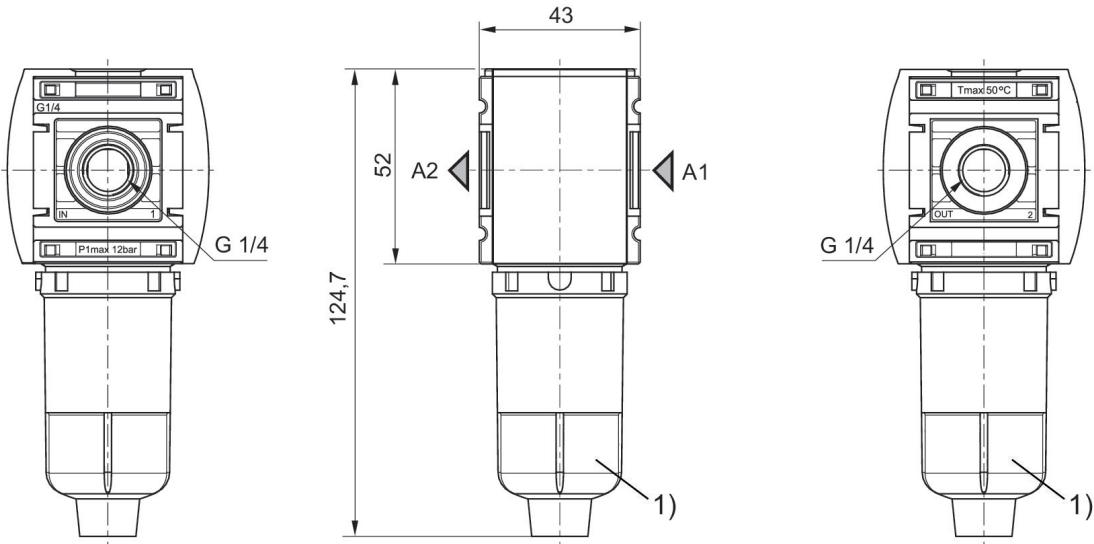
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



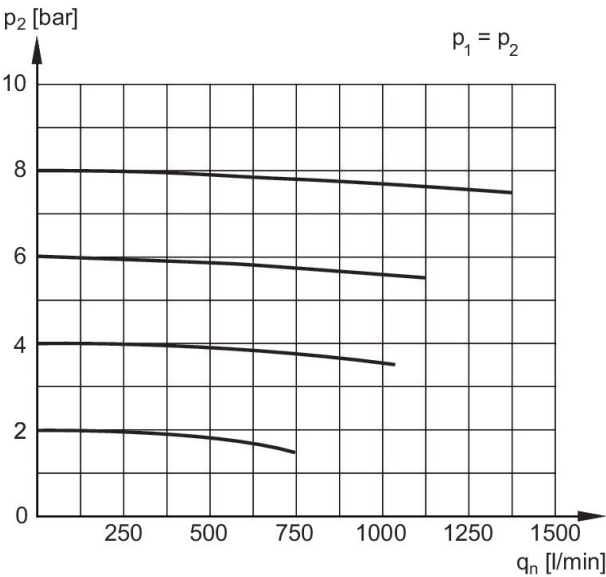
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	right	reservoir, polycarbonate, with metal protective guard	Active carbon	R412014700

Dimensions in mm



1) Reservoir: polycarbonate

Flow rate characteristic, $p_2 = 0,05 - 7 \text{ bar}$



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

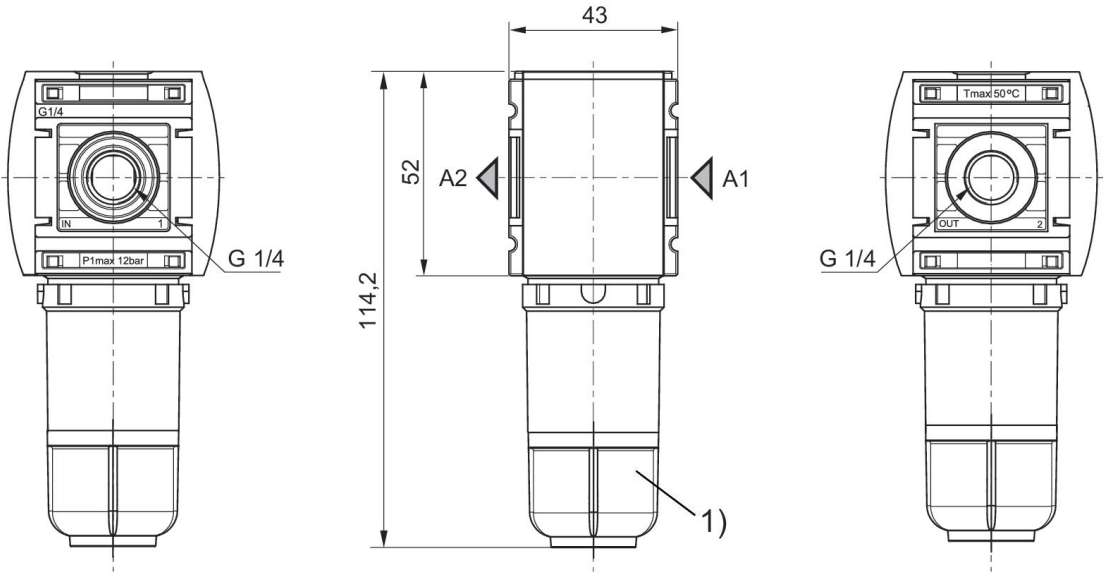
Active carbon filter, Series AS1-FLA

Flow Flow: 350 l/min
Parts: Active carbon filter
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



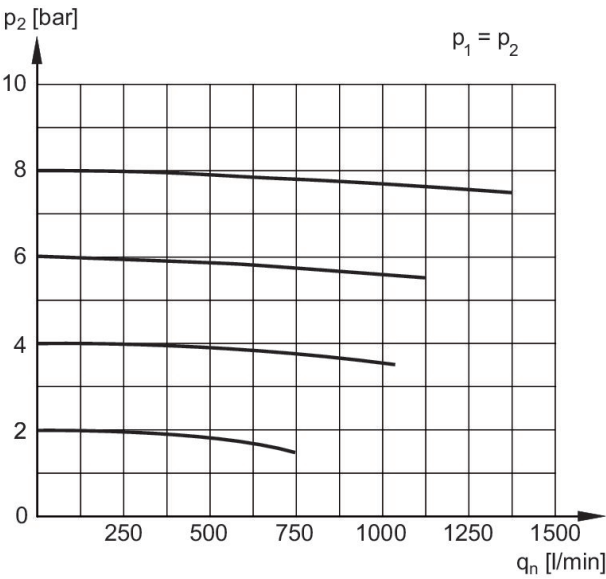
	Port	Nominal flow [l/min]	Air supply	Reservoir	Filter insert	Part No.
	G 1/4	350	right	Metal reser- voir without window	Active carbon	R412014701

Dimensions in mm



1) Reservoir: metal

Flow rate characteristic, p2 = 0,05 - 7 bar



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

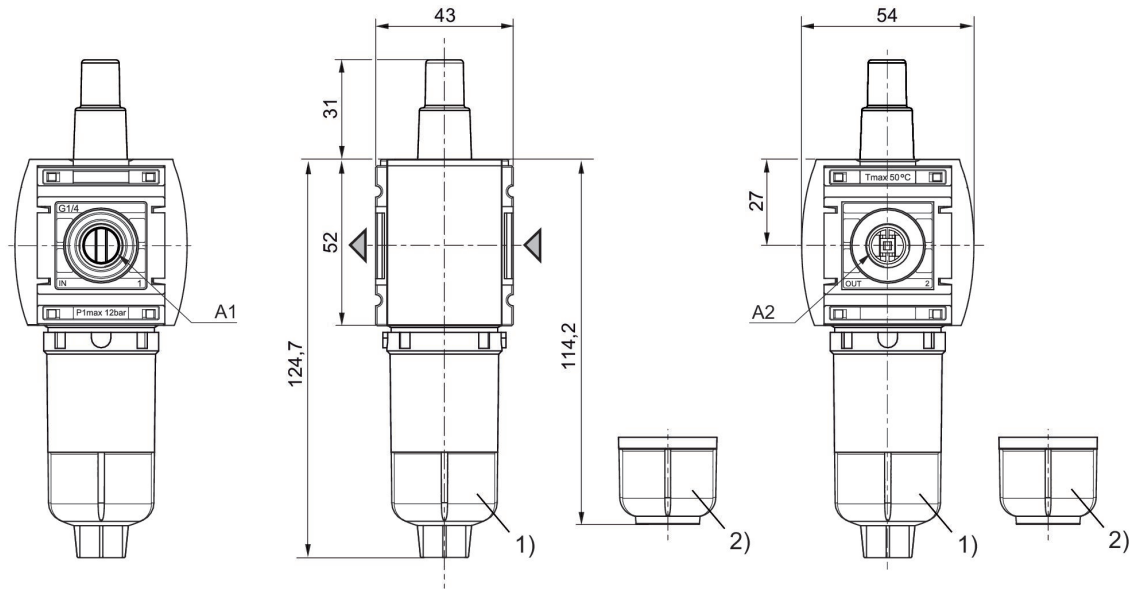
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



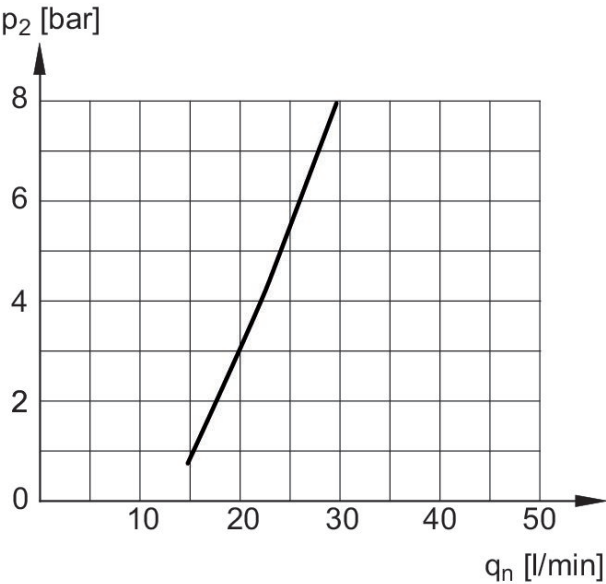
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	right	reservoir, polycarbon- ate, without protective guard	35	R412014702

Dimensions in mm



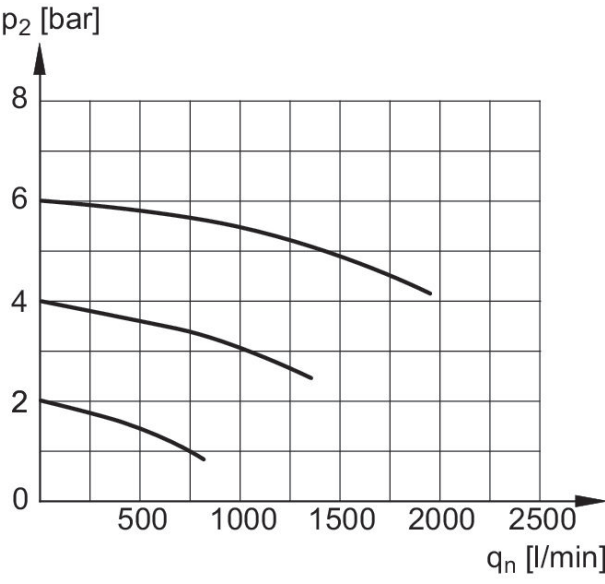
A1 = input
1) A2 = output
2) Reservoir: polycarbonate
Reservoir: metal

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 q_n = Nominal flow

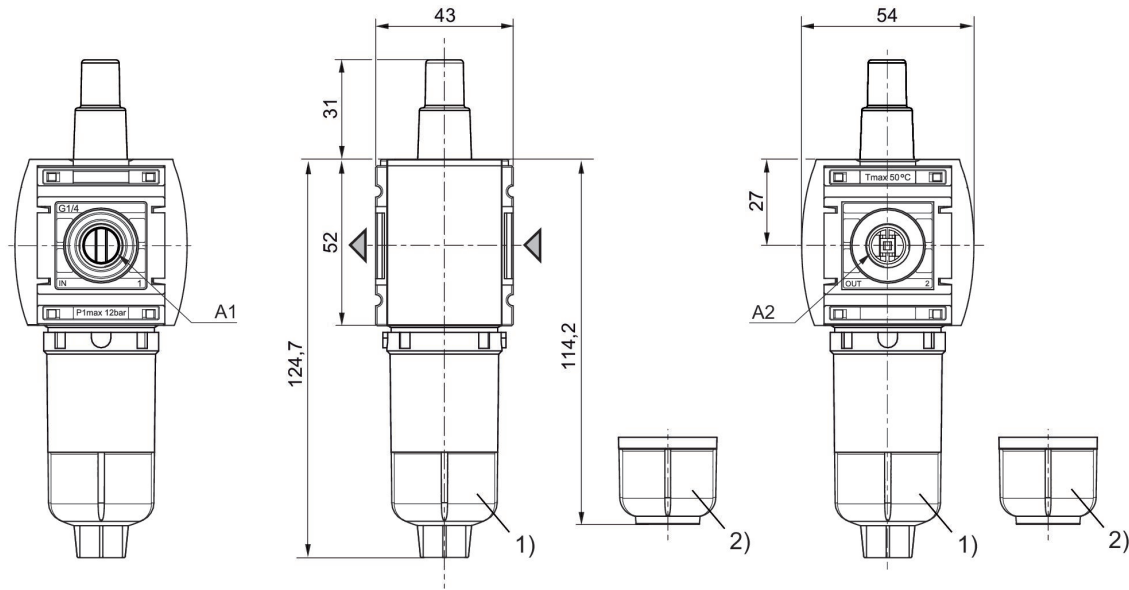
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



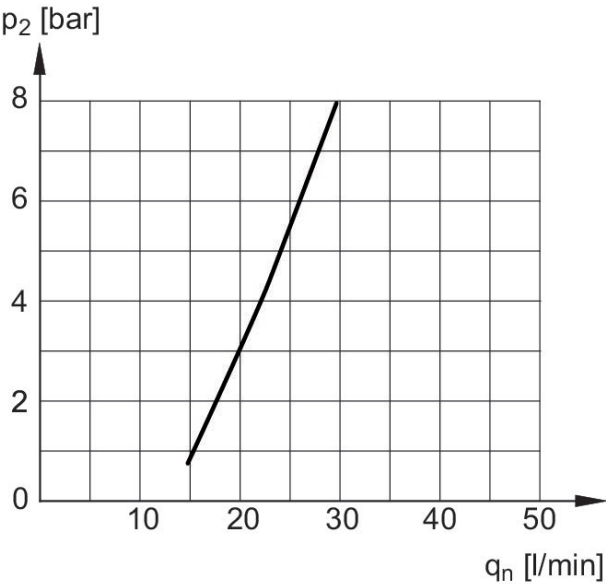
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	right	reservoir, polycarbon- ate, with met- al protective guard	35	R412014703

Dimensions in mm



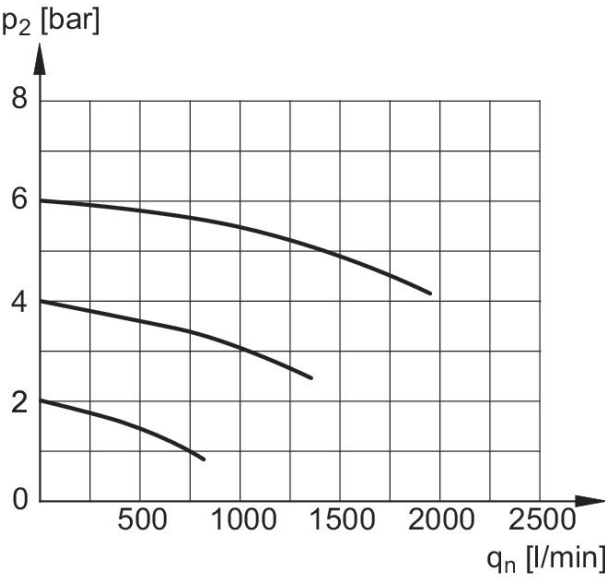
A1 = input
1) A2 = output
2) Reservoir: polycarbonate
Reservoir: metal

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar

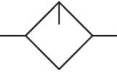


p_2 = Secondary pressure
 q_n = Nominal flow

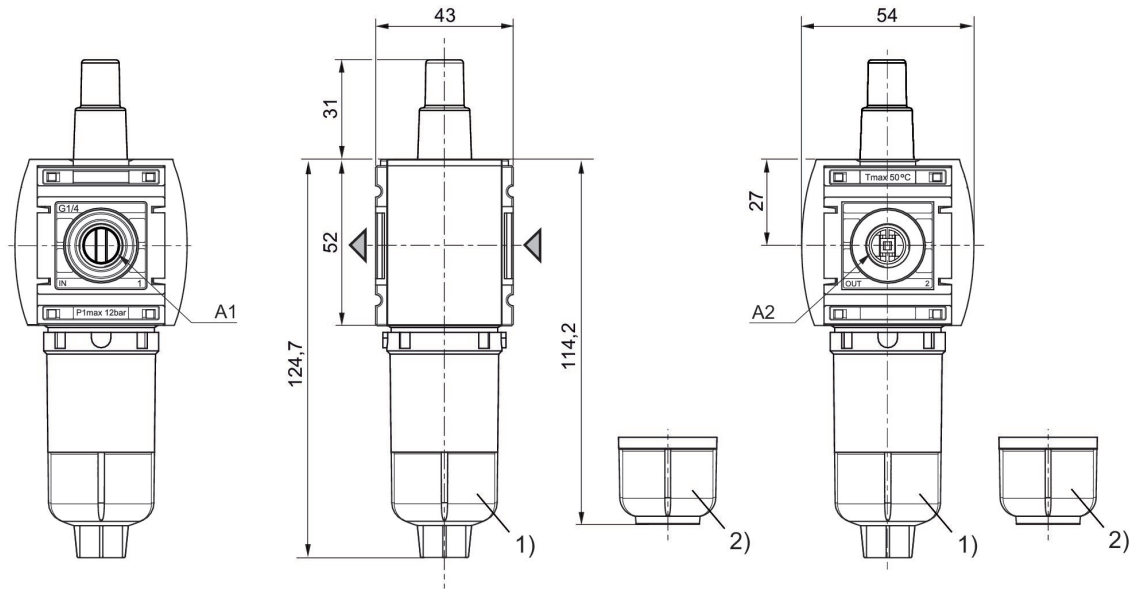
Micro oil-mist lubricator, Series AS1-LBM

Flow Flow: 1400 l/min
Parts: Lubricator
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0.8 bar
Max. working pressure: 12 bar



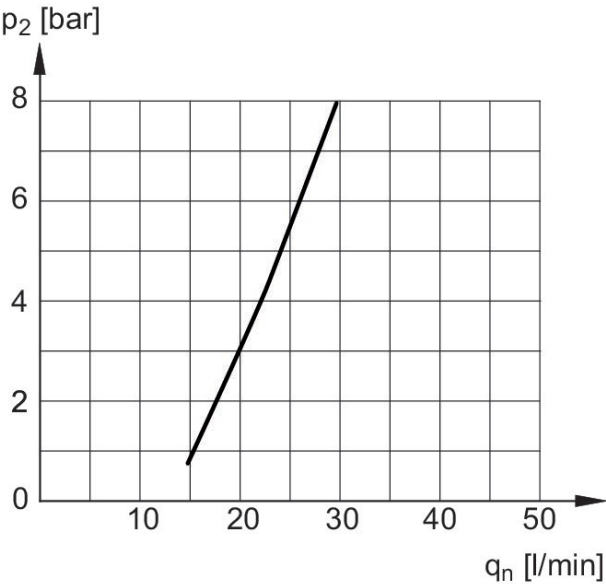
	Port	Nominal flow [l/min]	Air supply	Reservoir	Lubrica- tor reser- voir volume [cm³]	Part No.
	G 1/4	1400	right	Metal reser- voir without window	35	R412014704

Dimensions in mm



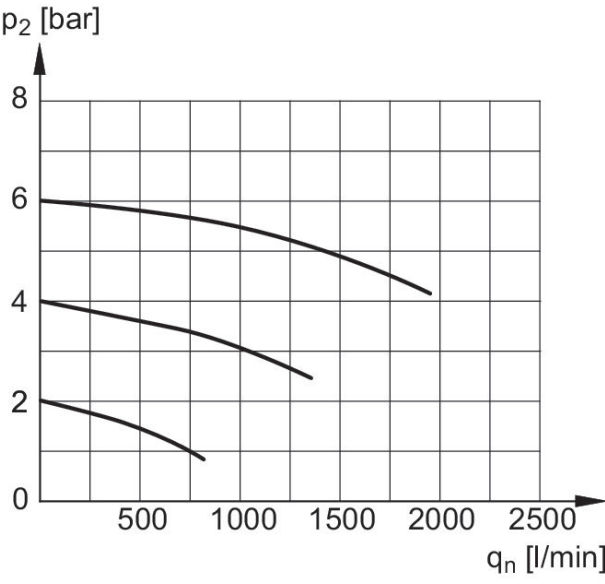
A1 = input
1) A2 = output
2) Reservoir: polycarbonate
Reservoir: metal

Lubricator activation margin



p_2 = Secondary pressure
 q_n = Nominal flow

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 q_n = Nominal flow

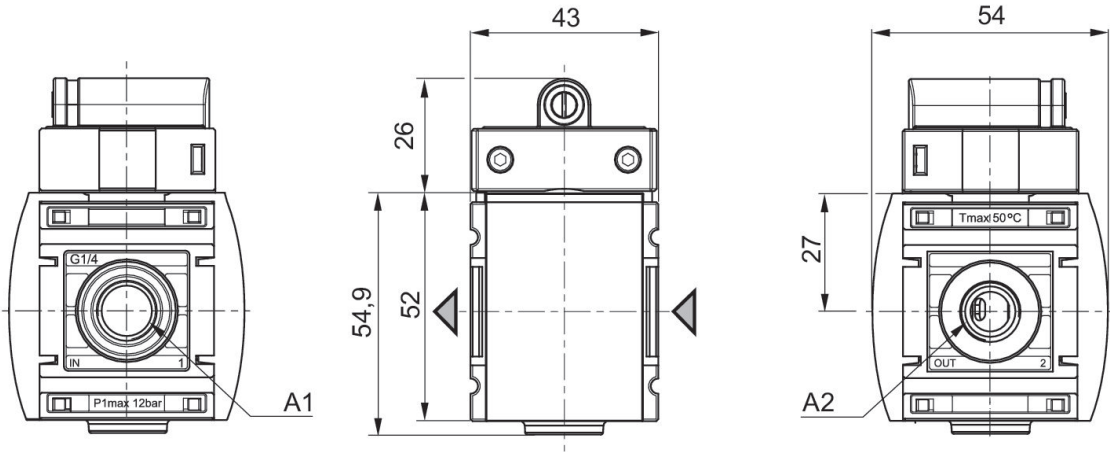
Filling valve, Series AS1-SSV

Flow Flow: 2000 l/min
Activation: Pneumatically
Parts: Filling valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Min. control pressure: 2.5 bar
Max. control pressure: 12 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



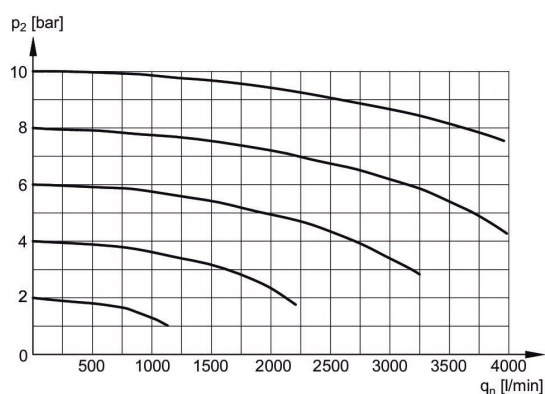
	Port	Nominal flow [l/min]	Part No.
	G 1/4	2000	R412014749

Dimensions in mm



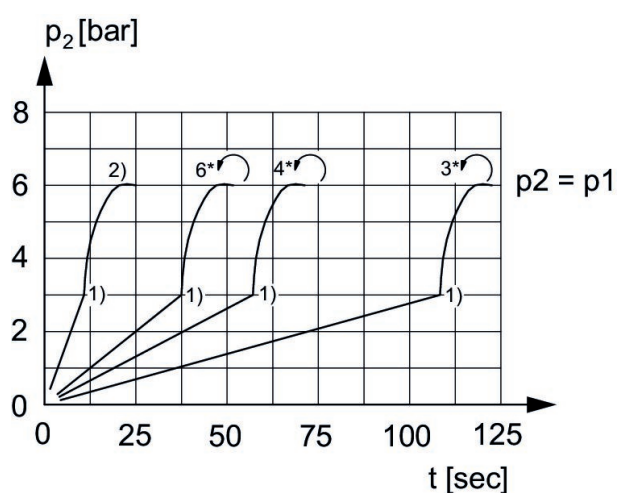
A1 = input
A2 = output

Flow rate characteristic, $p_2 = 0,05 - 7$ bar



p_2 = Secondary pressure
 q_n = Nominal flow

Secondary pressure while filling



p_1 = Working pressure
 p_2 = Secondary pressure
 t = filling time, adjustable via adjustment screw (throttle)
1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)
2) Throttle fully opened
* Adjustment screw rotations

Flow Flow: 2000 l/min
Activation: Pneumatically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Min. control pressure: 2.5 bar
Max. control pressure: 12 bar
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar

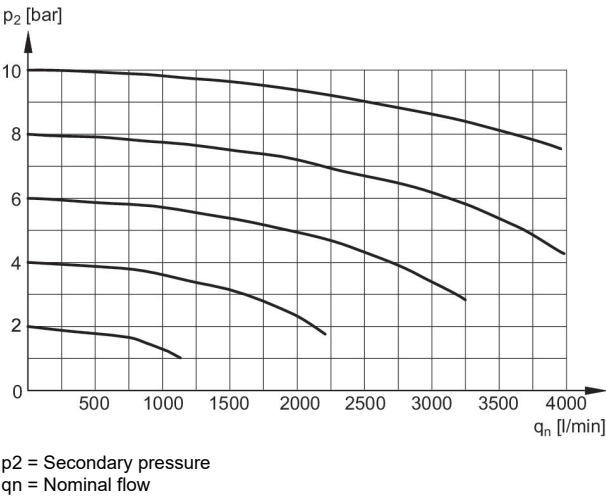


	Port	Nominal flow [l/min]	Part No.
	G 1/4	2000	R412014743

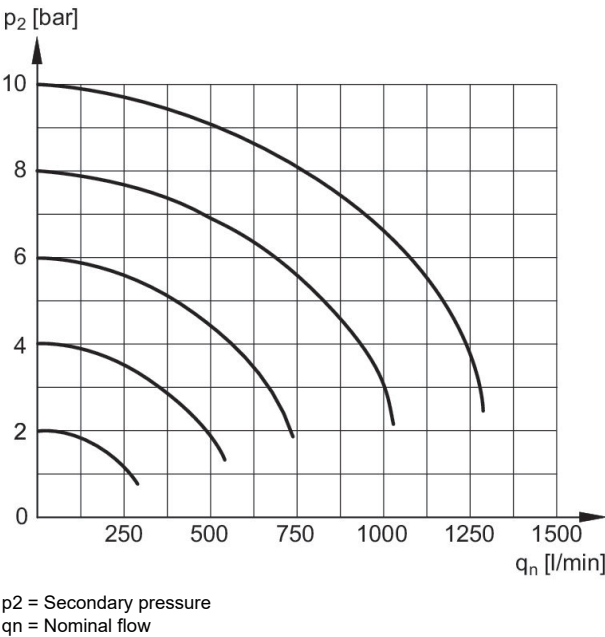
[illegible]

A1 = input
A2 = output
A3 = ventilation port
A4 = control pressure connection

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



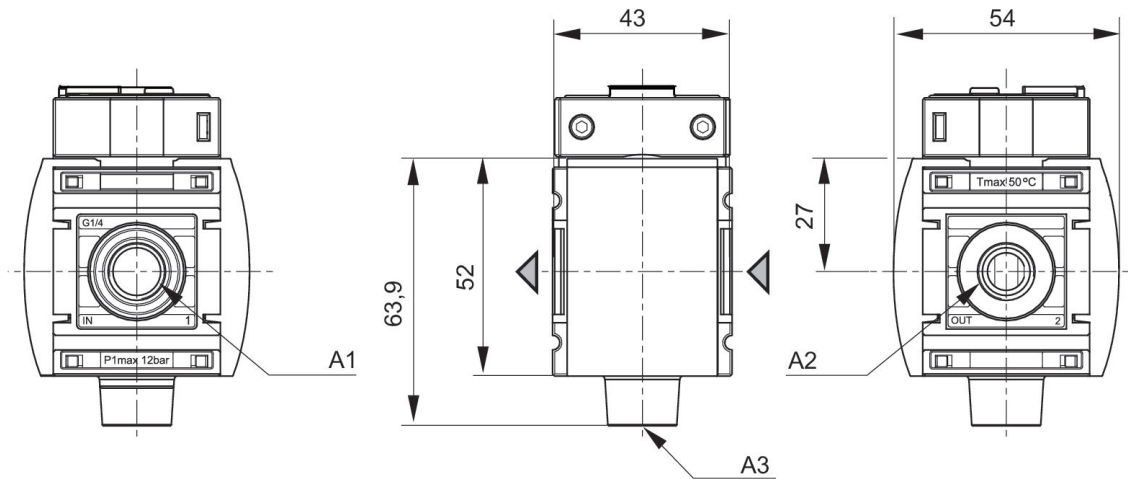
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



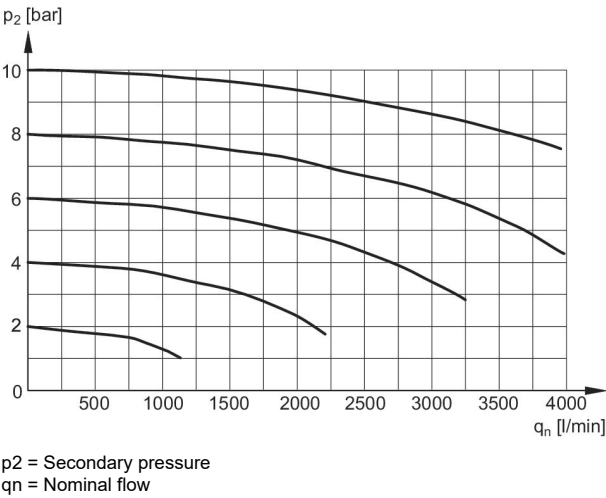
	Port	Nominal flow [l/min]	Basic valve equipment	Part No.
	G 1/4	2000	Basic valve without pilot valve	R412014747

Dimensions in mm

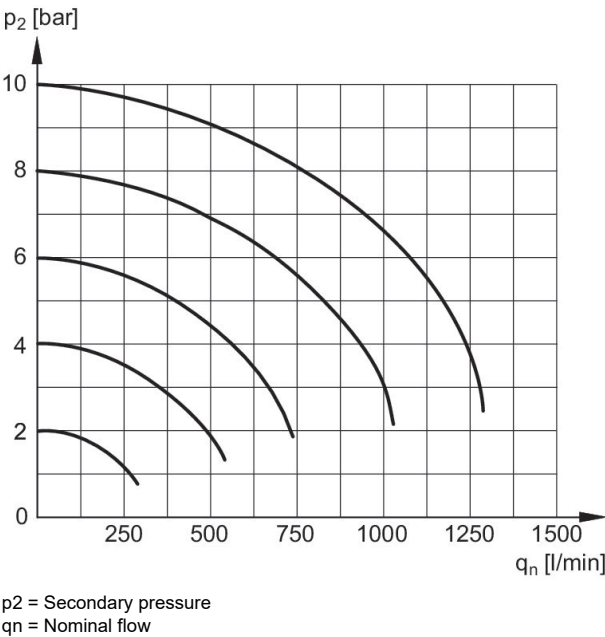


A1 = input
A2 = output
A3 = ventilation port

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



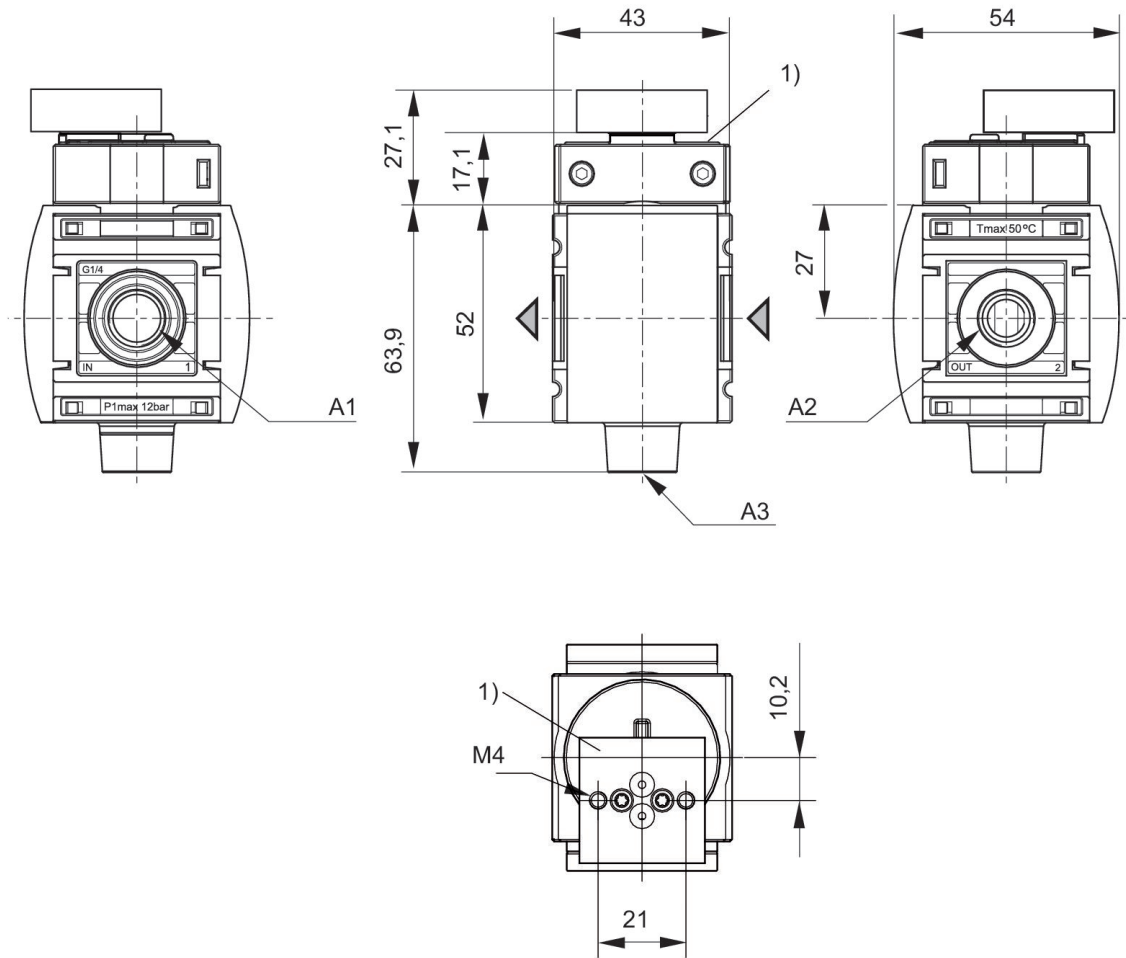
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



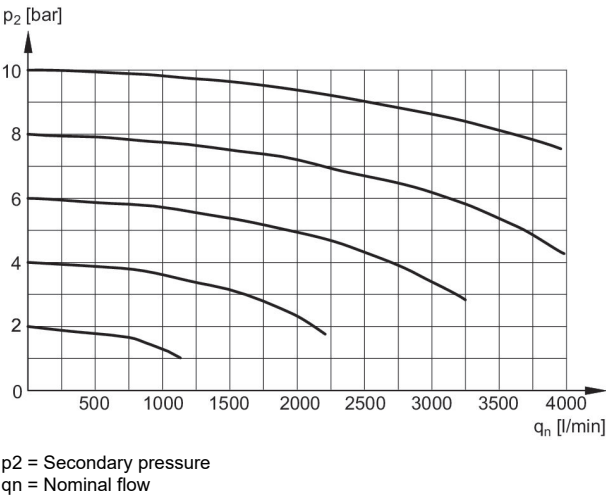
	Port	Nominal flow [l/min]	Basic valve equipment	Part No.
	G 1/4	2000	Basic valve without pilot valve, with CNOMO sub- base	R412014748

Dimensions in mm

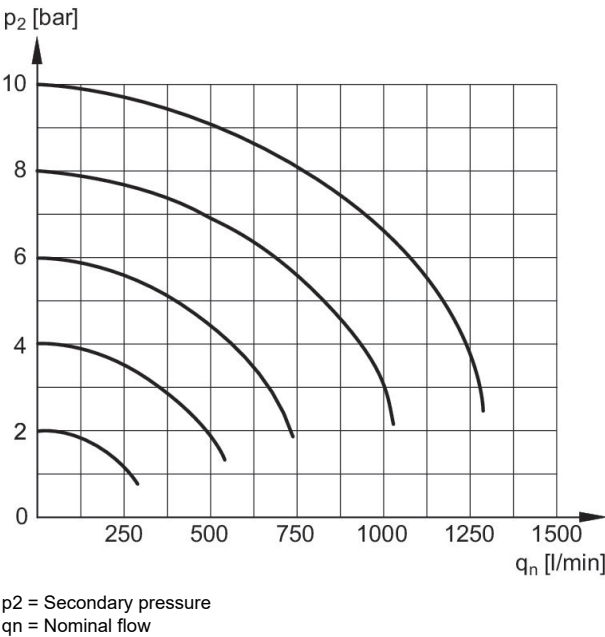


A1 = input
A2 = output
A3 = ventilation port
1) Transition plate with CNOMO porting configuration for pilot valve DO30

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



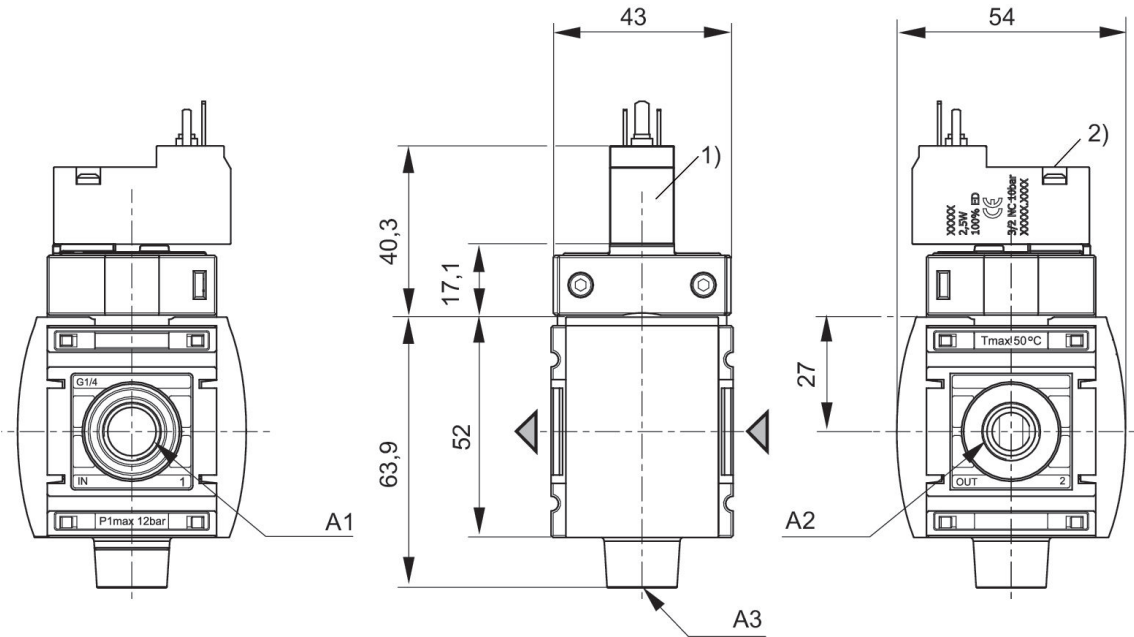
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



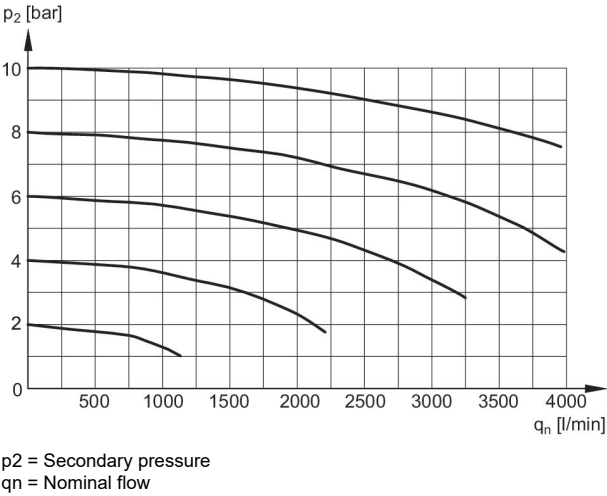
	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	24 V DC	Basic valve with pilot valve	R412014744

Dimensions in mm

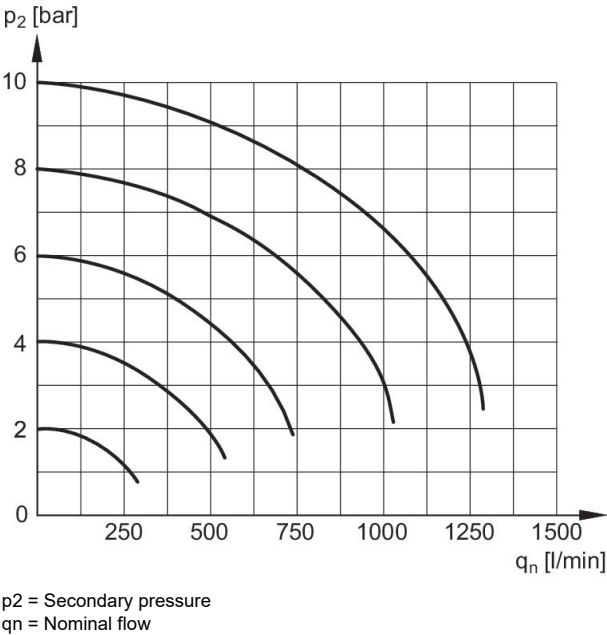


A1 = input
A2 = output
A3 = ventilation port
1) For valve plug connectors according to ISO 15217 (form C)
2) Manual override

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



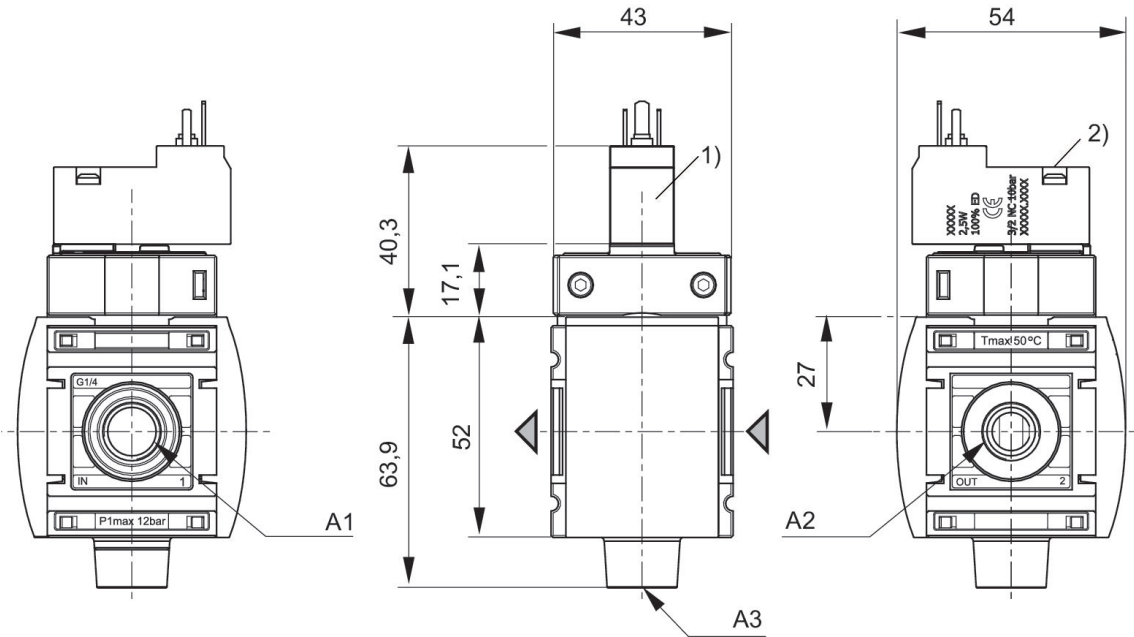
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



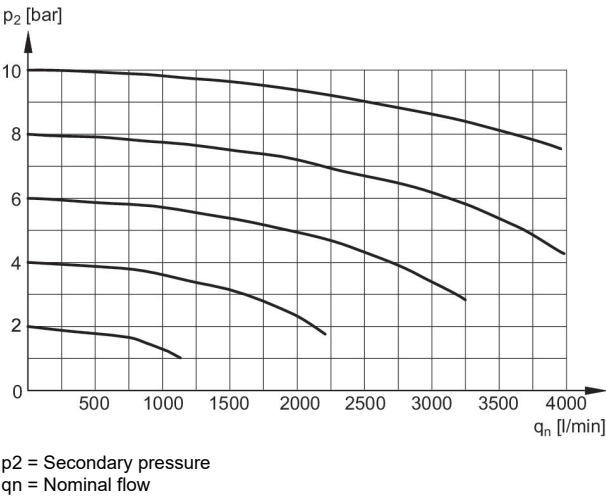
	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	220-230 V AC	Basic valve with pilot valve	R412014746

Dimensions in mm

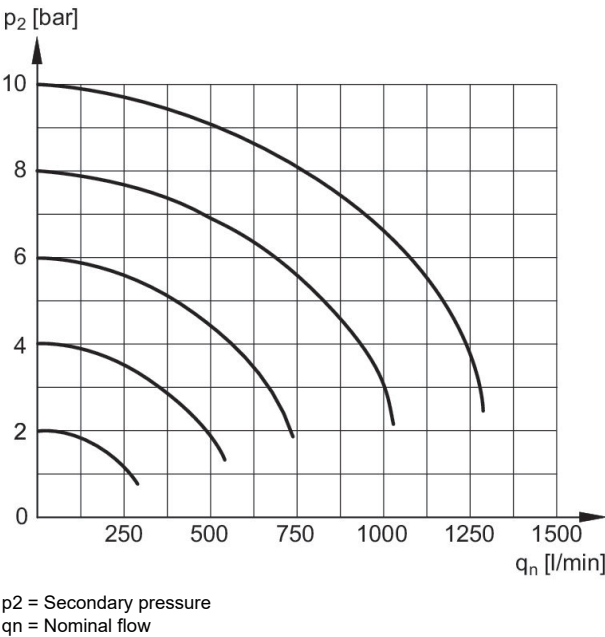


A1 = input
A2 = output
A3 = ventilation port
1) For valve plug connectors according to ISO 15217 (form C)
2) Manual override

Flow rate characteristic, p2 = 0,05 - 7 bar



Rear exhaust



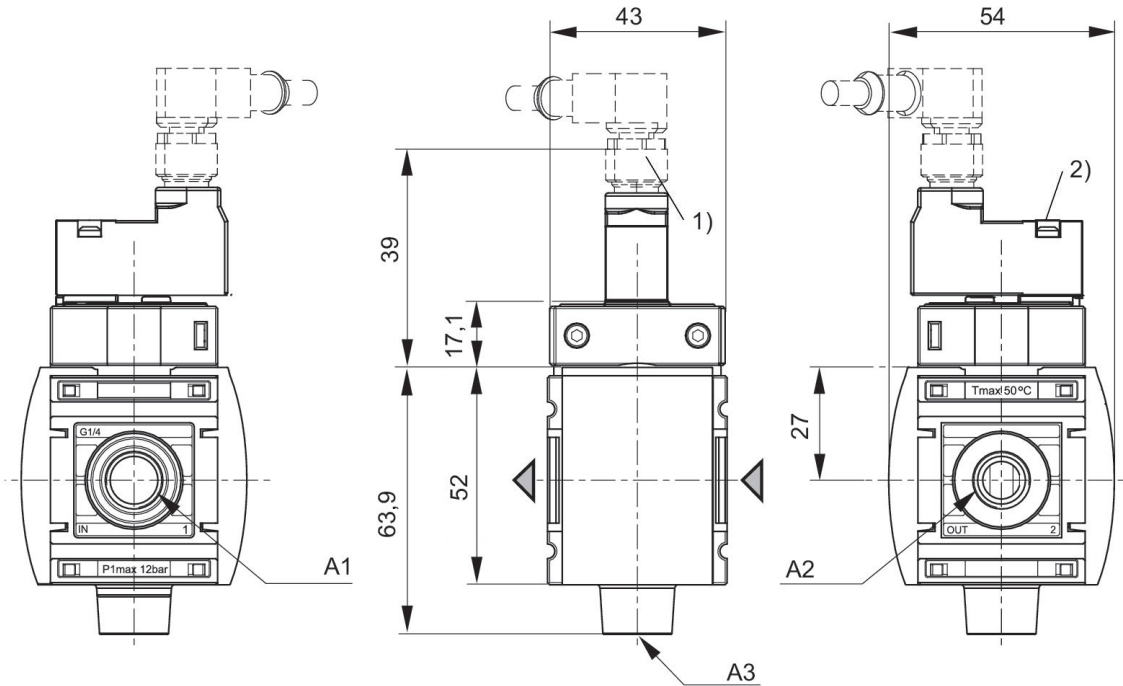
3/2-directional valve, electrically operated, Series AS1-SOV

Flow Flow: 2000 l/min
Activation: Electrically
Parts: 3/2-directional valve
Qn 1 > 2: 2000 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 10 bar



	Port	Nominal flow [l/min]	Operational voltage	Basic valve equipment	Part No.
	G 1/4	2000	24 V DC	Basic valve with pilot valve	R412010681

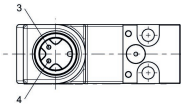
Dimensions in mm



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

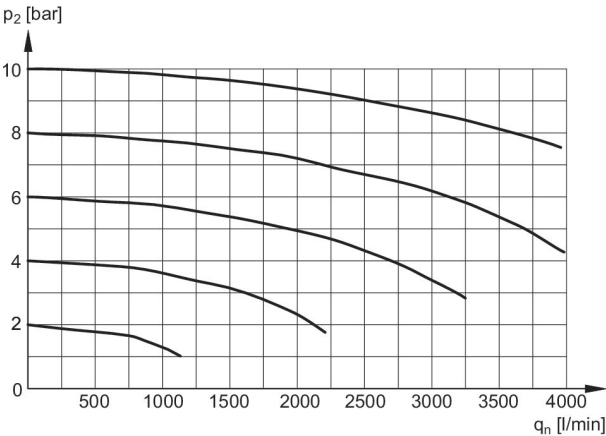
R412010681

Pin assignment M12x1



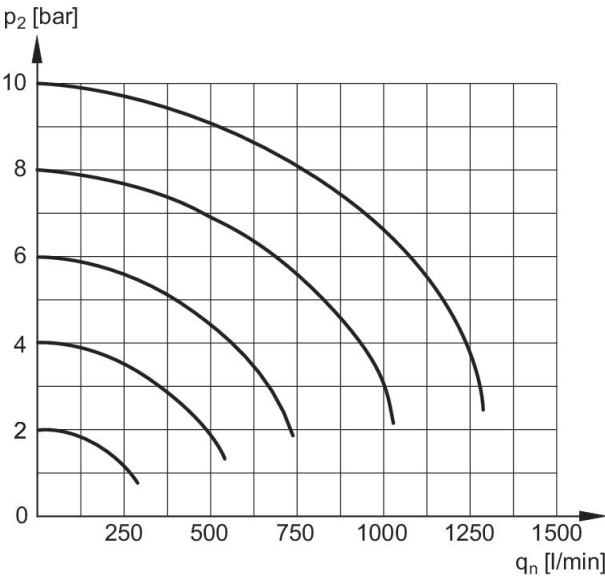
3: +/-
4: +/-

Flow rate characteristic, p2 = 0,05 - 7 bar



p_2 = Secondary pressure
 q_n = Nominal flow

Rear exhaust



p_2 = Secondary pressure
 q_n = Nominal flow

3/2-shut-off valve, mechanically operated, Series AS1-BAV

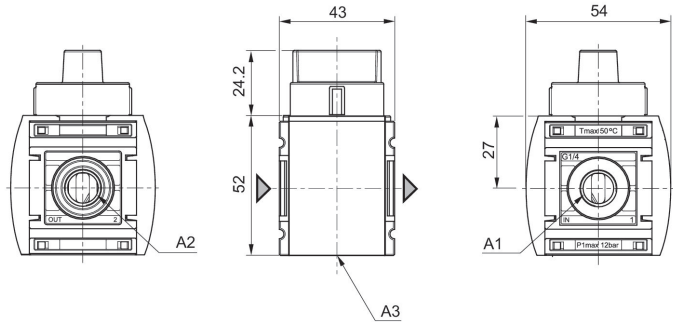
Activation: Mechanical
Parts: Shut-off valve
Qn 1 > 2: 2600 l/min
Compressed air connection type: Internal thread
Compressed air connection input: G 1/4
Compressed air connection output: G 1/4
Compressed air connection, exhaust: G 1/4
Type: Ball Valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Part No.
	G 1/4	2600	R412014664
	G 1/4	2600	R412014742

R412014664

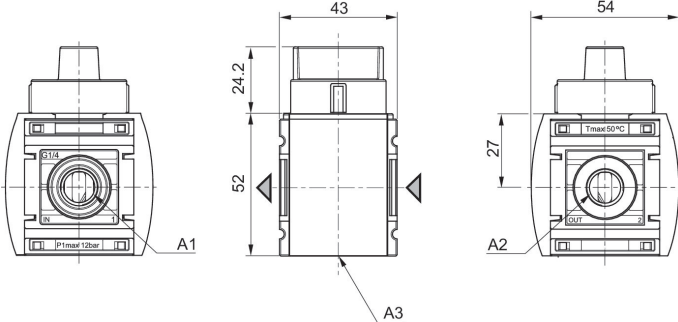
Dimensions in mm



A1 = input
A2 = output
A3 = ventilation port

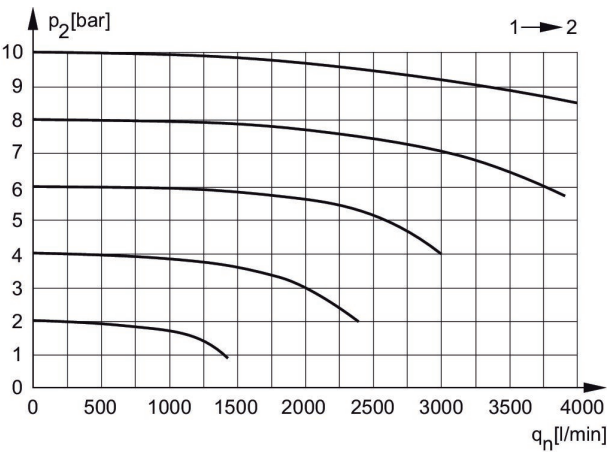
R412014742

Dimensions in mm



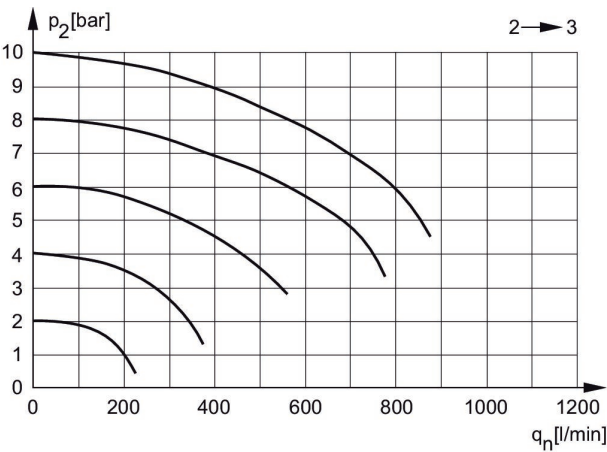
A1 = input
A2 = output
A3 = ventilation port

Flow rate characteristic, p2 = 0,05 - 7 bar



p2 = Secondary pressure
qn = Nominal flow

Rear exhaust

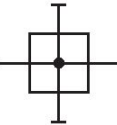


p2 = Secondary pressure
qn = Nominal flow

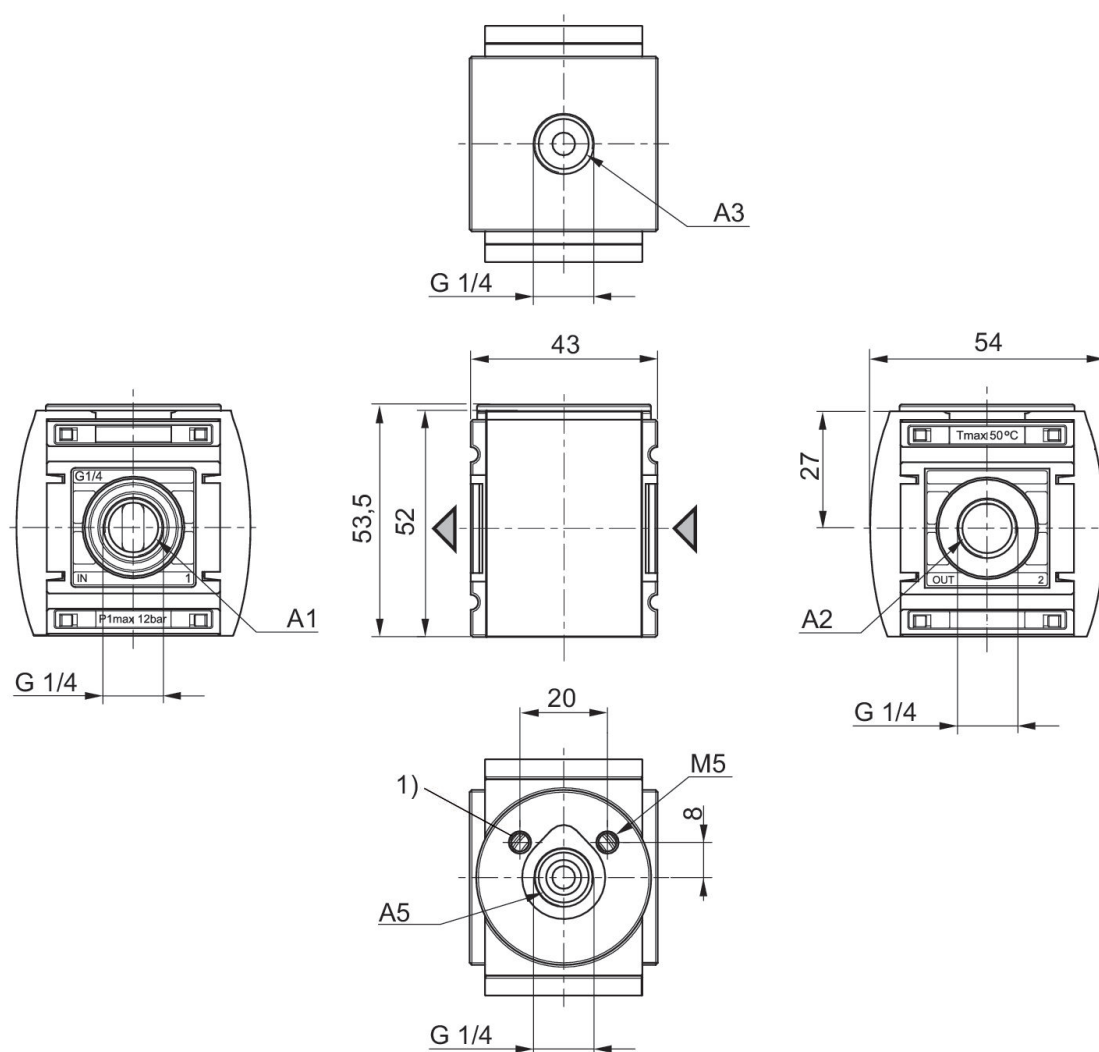
Distributor, Series AS1-DIS

Flow Flow: 2700 l/min
Parts: Distributor
Qn 1 > 2: 2700 l/min
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



	Port	Nominal flow [l/min]	Air supply	Part No.
	G 1/4	2700	right	R412014740

Dimensions in mm



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

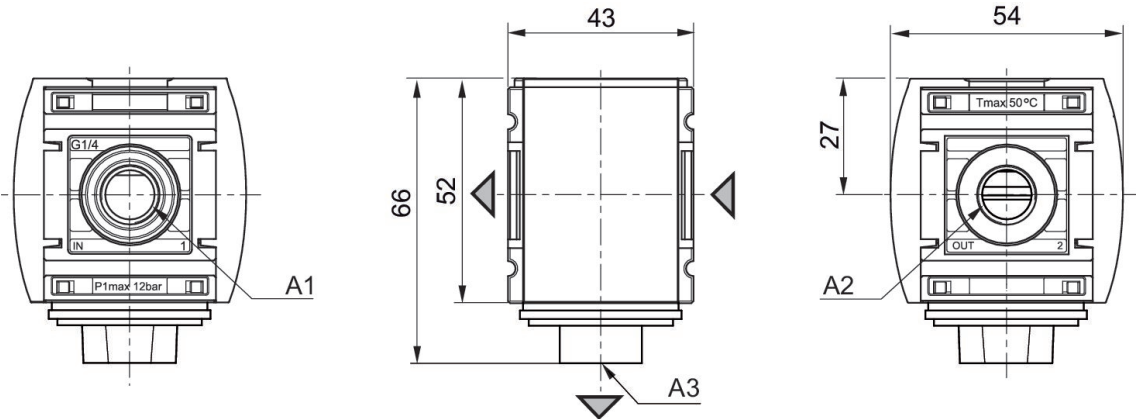
Distributor, Series AS1-DIN

Flow Flow: 800 l/min
Parts: Distributor Non-return valve
Qn 1 > 2: 800 l/min
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



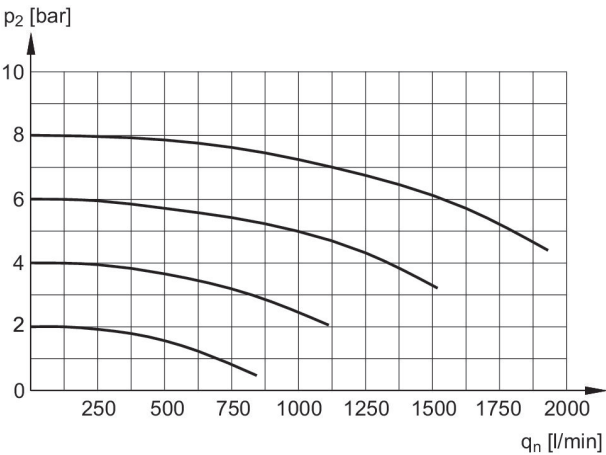
	Port	Nominal flow [l/min]	Air supply	Part No.
	G 1/4	800	right	R412014741

Dimensions in mm

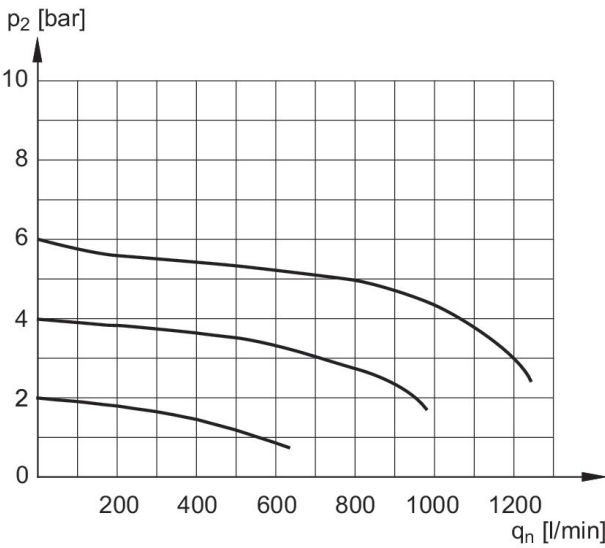


A1 = input
A2 = output
A3 = output

Flow rate characteristic, p2 = 0,05 - 7 bar



Nominal flow Qn 1 to 2
p2 = Secondary pressure
qn = Nominal flow



Nominal flow 1 > 3
p2 = Secondary pressure
qn = Nominal flow

Reservoir, Series AS1-CLS

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



Conden-sate drain	Reservoir	Filter reser-voir volume [cm³]	Fig.	Version	Part No.
fully automat-ic, open with-out pressure	Metal reser-voir without window	16	Fig. 1	Metal reser-voir without window	R412014751
semi-auto-matic, open without pres-sure	Metal reser-voir without window	16	Fig. 2	Metal reser-voir without window	1827009640
semi-auto-matic, open without pres-sure	reservoir, polycarbon-ate, without protective guard	16	Fig. 3	reservoir, polycarbon-ate, without protective guard	1827009639

Fig. 1

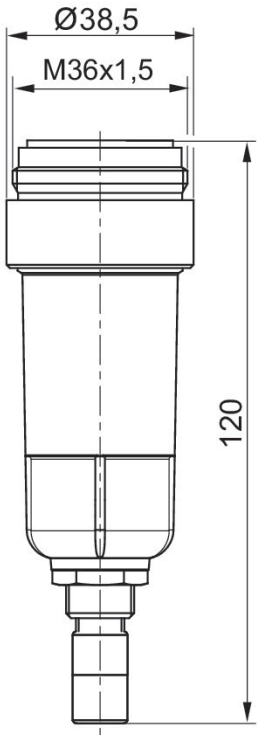


Fig. 2

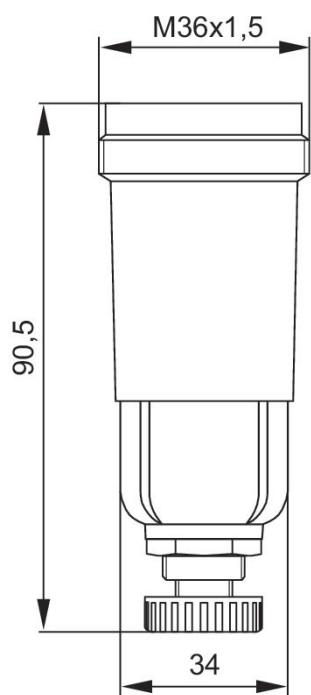
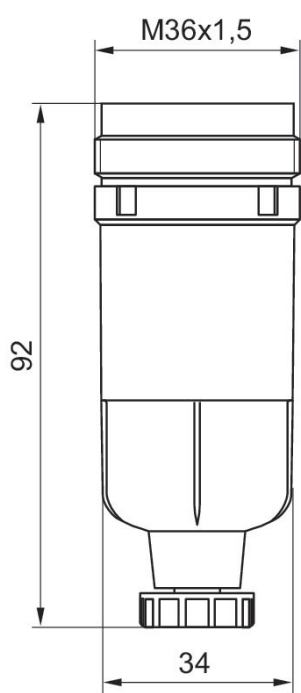


Fig. 3



Reservoir, Series NL2-CLS

Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 2 bar
Max. working pressure: 16 bar



Conden- sate drain	Filter reser- voir volume [cm³]	Fig.	Version	Part No.
fully automat- ic, open with- out pressure	25	Fig. 3	reservoir, polycarbon- ate, without protective guard	1827009335

Fig. 1

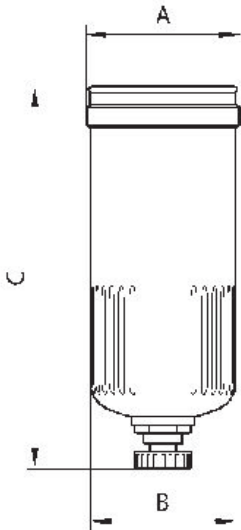


Fig. 2

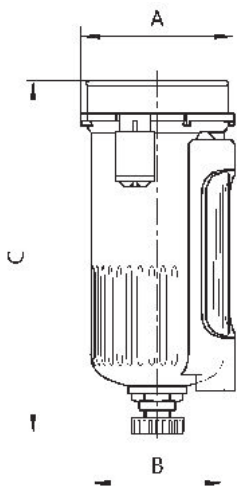


Fig. 3

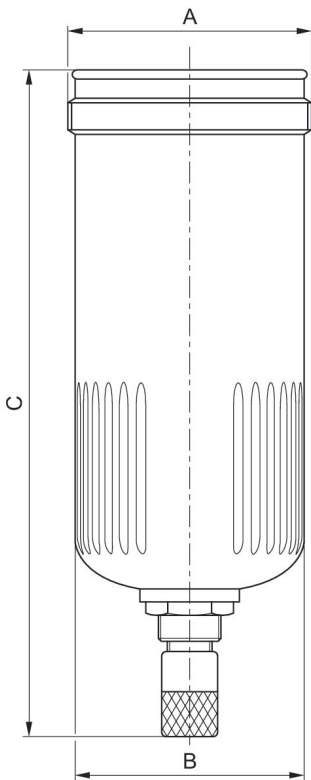
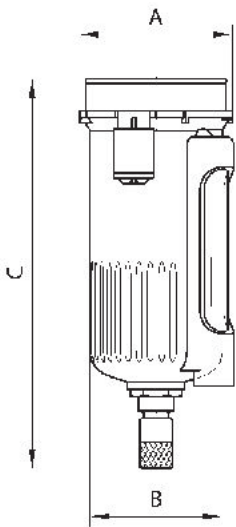


Fig. 4



Part No.	A	B	C
1827009334	M36x1,5	33.2	116
1827009335	M36x1,5	33.2	129
1827009340	42.5	33.2	116
1827009341	42.5	33.2	129

Reservoir, Series NL1/AS1-CBM/-CLA

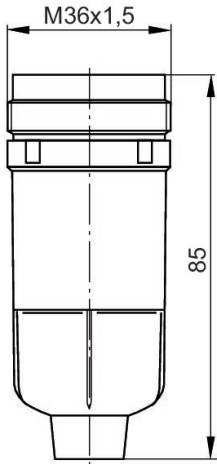
Parts: Reservoir
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Max. working pressure: 16 bar



Filter reservoir volume [cm³]	Fig.	Version	Part No.
16	Fig. 1	reservoir, polycarbonate, without protective guard	1827009637
16	Fig. 2	Metal reservoir without window	1827009638

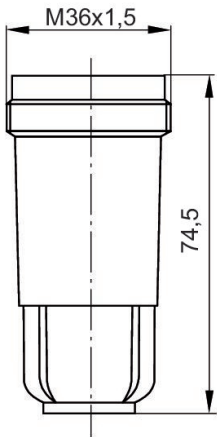
1827009637

Dimensions in mm



1827009638

Dimensions in mm



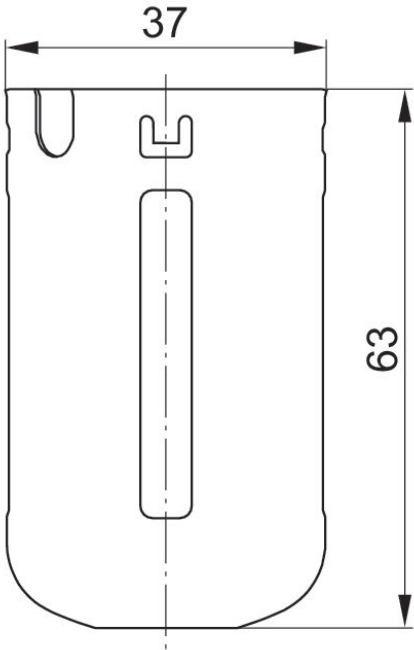
Protective guard

For series: NL1



Material	Weight [kg]	Part No.
Steel, chrome-plated	0.03	1820507004

Dimensions in mm



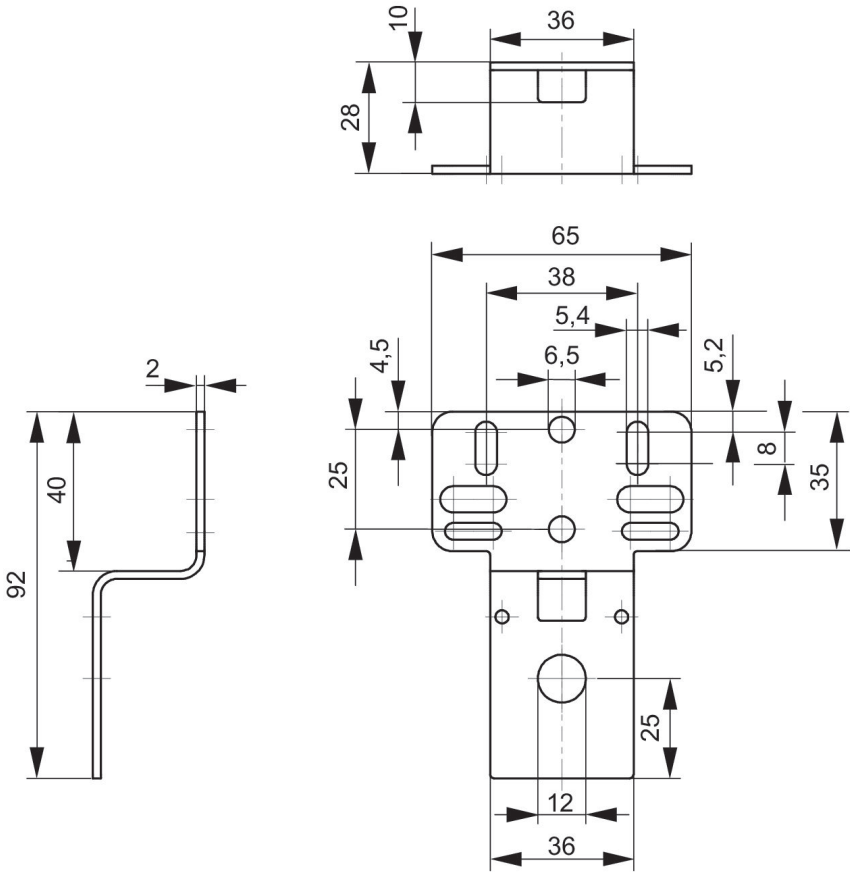
Mounting plate, Series AS1-MBR-...-W01

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



Material	Part No.
Steel, chrome-plat- ed	R412014755

Dimensions in mm



For assembly of the W01 mounting plate, the rear cover of the air preparation unit must be removed.

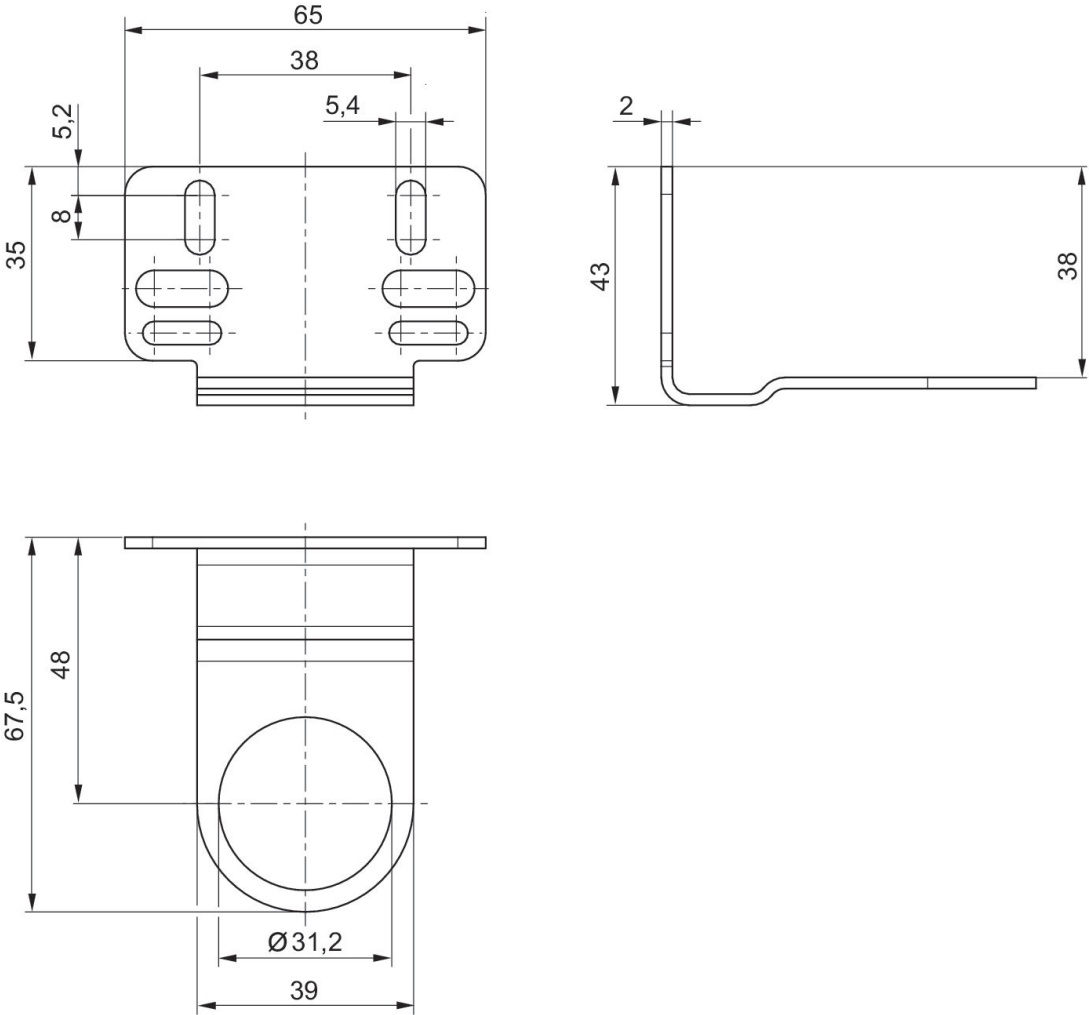
Mounting bracket, Series AS1-MBR-...-W02

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



Material	Part No.
Steel, chrome-plat- ed	R412014756

Dimensions in mm



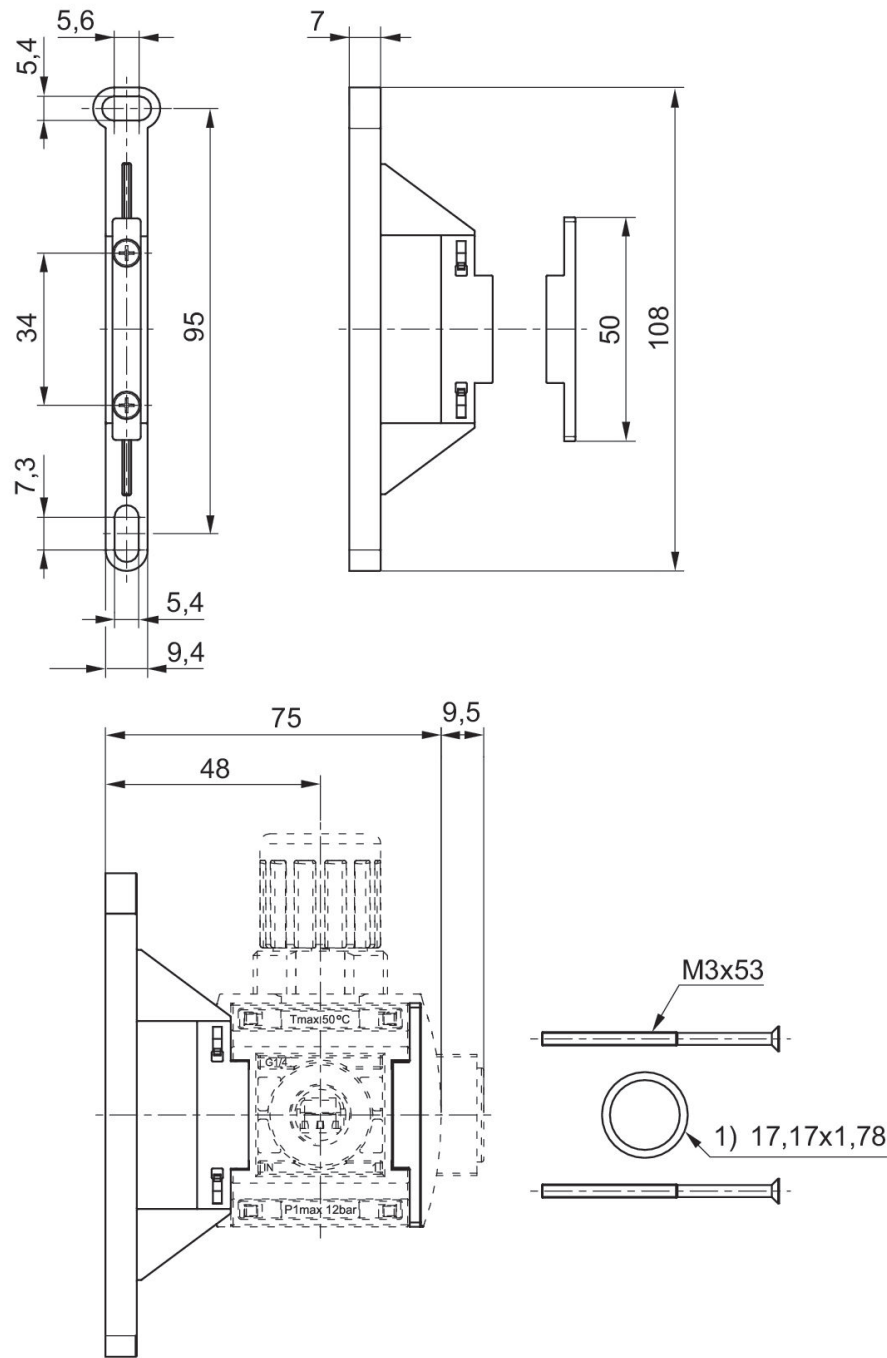
Mounting clip, Series AS1-MBR-...-W03

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



Material	Part No.
Polyamide	R412014757

Dimensions in mm

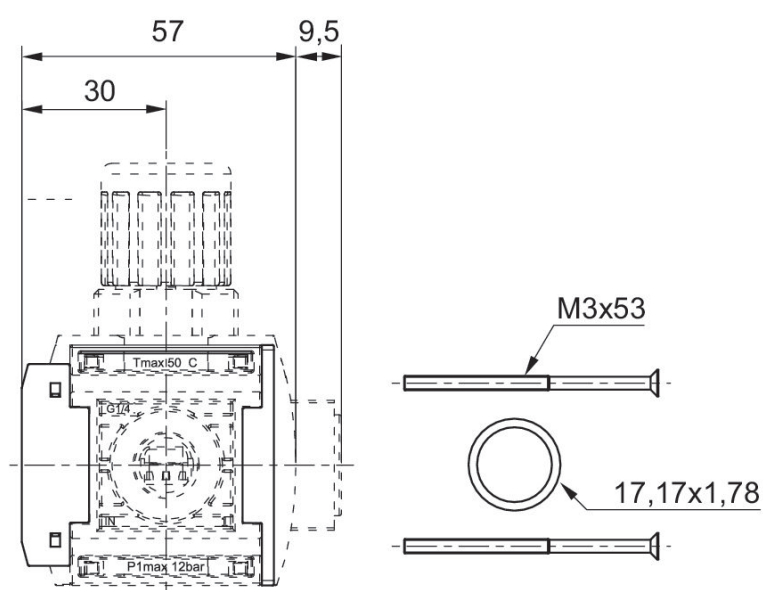


Block assembly kit, Series AS1-MBR-...-W04

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



Material	Part No.
Polyamide	R412014758

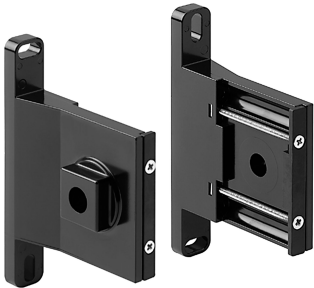


Part No.	A	B	C	D	E	F	G	H	I
R412014758	50	42	10	34	57	30	9.5	M3x53	17,17x1,78

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

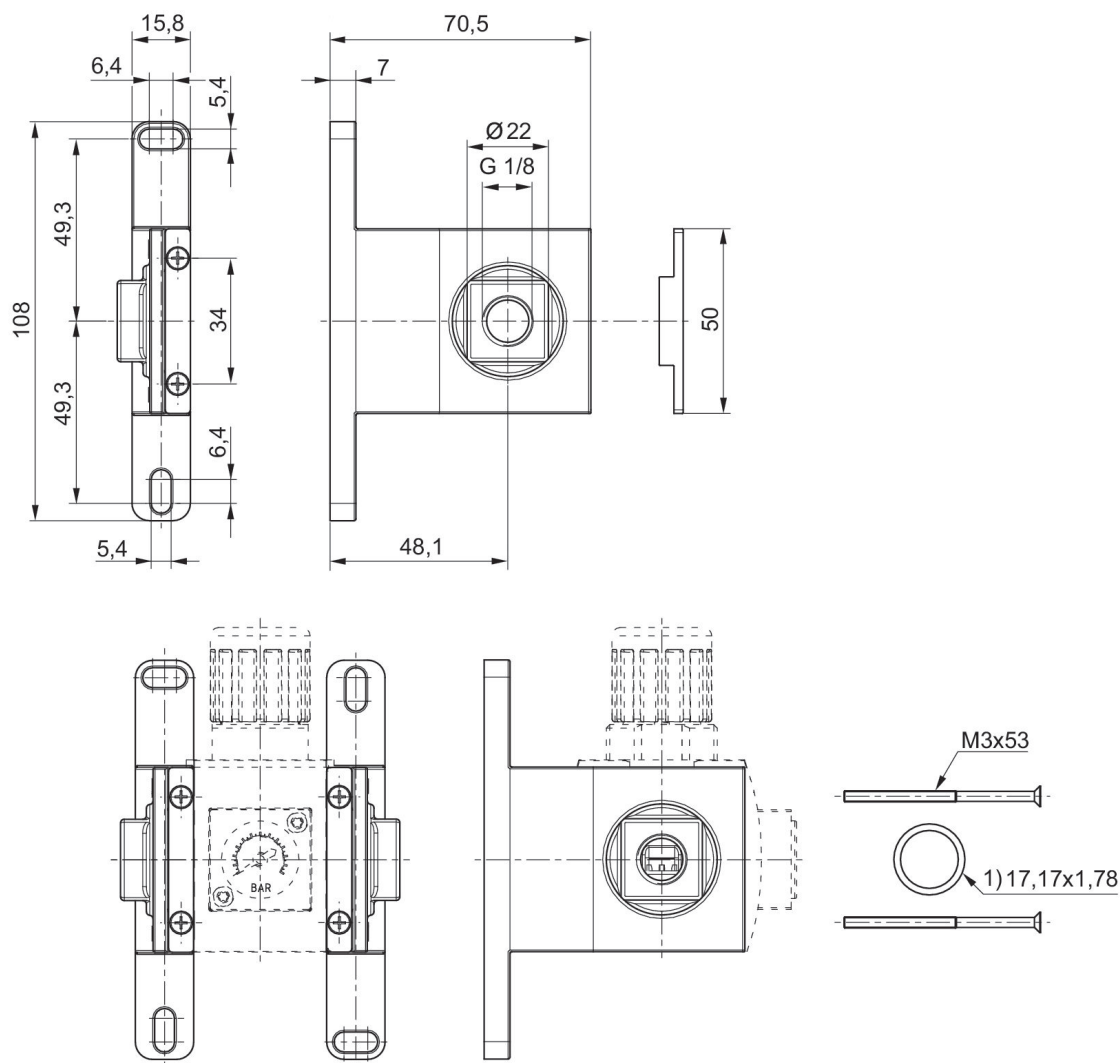
Block assembly kit, Series AS1-MBR-...-W05

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C



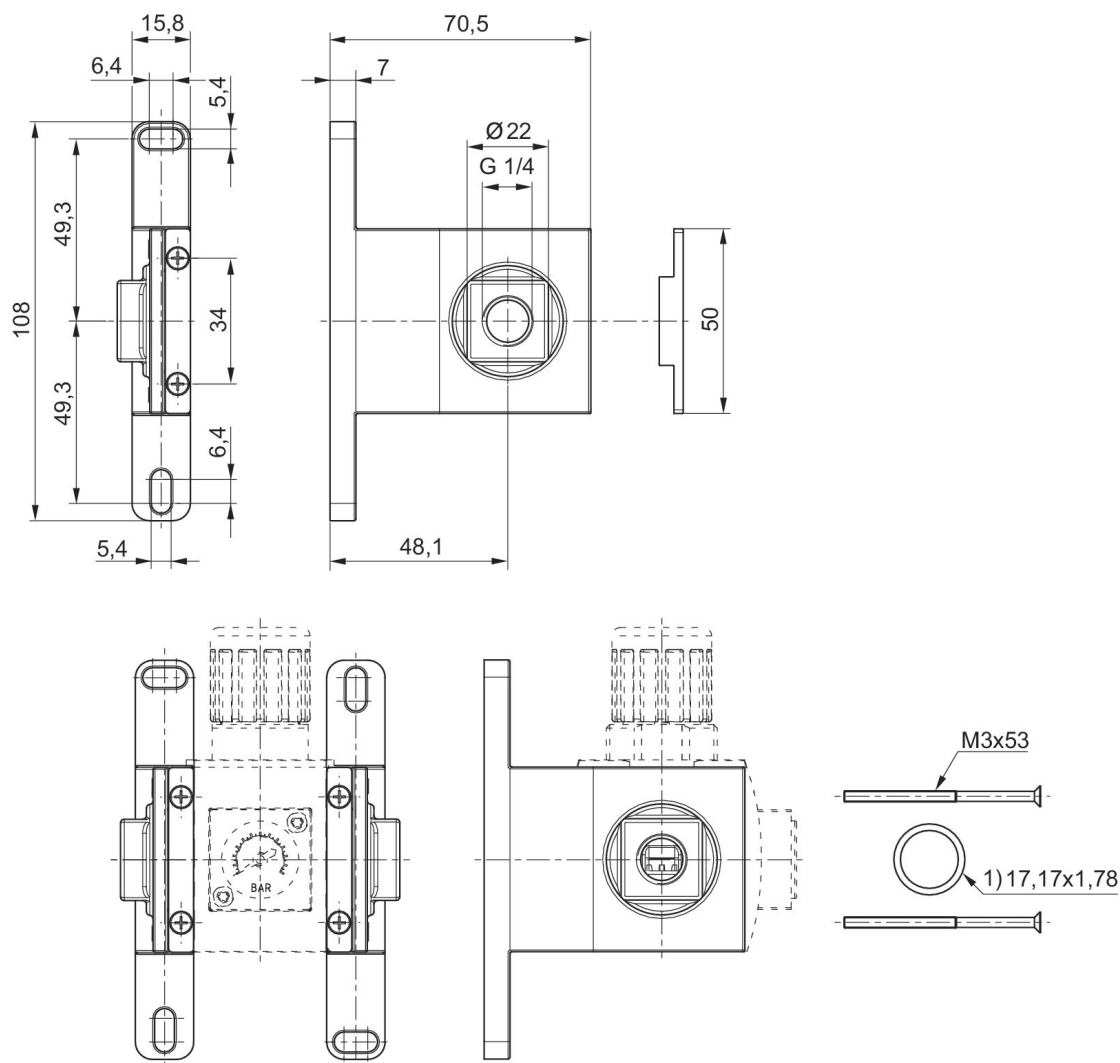
Port	Material	Part No.
G 1/8	Die cast zinc	R412014753
G 1/4	Die cast zinc	R412014754

Dimensions in mm



1) 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

Dimensions in mm



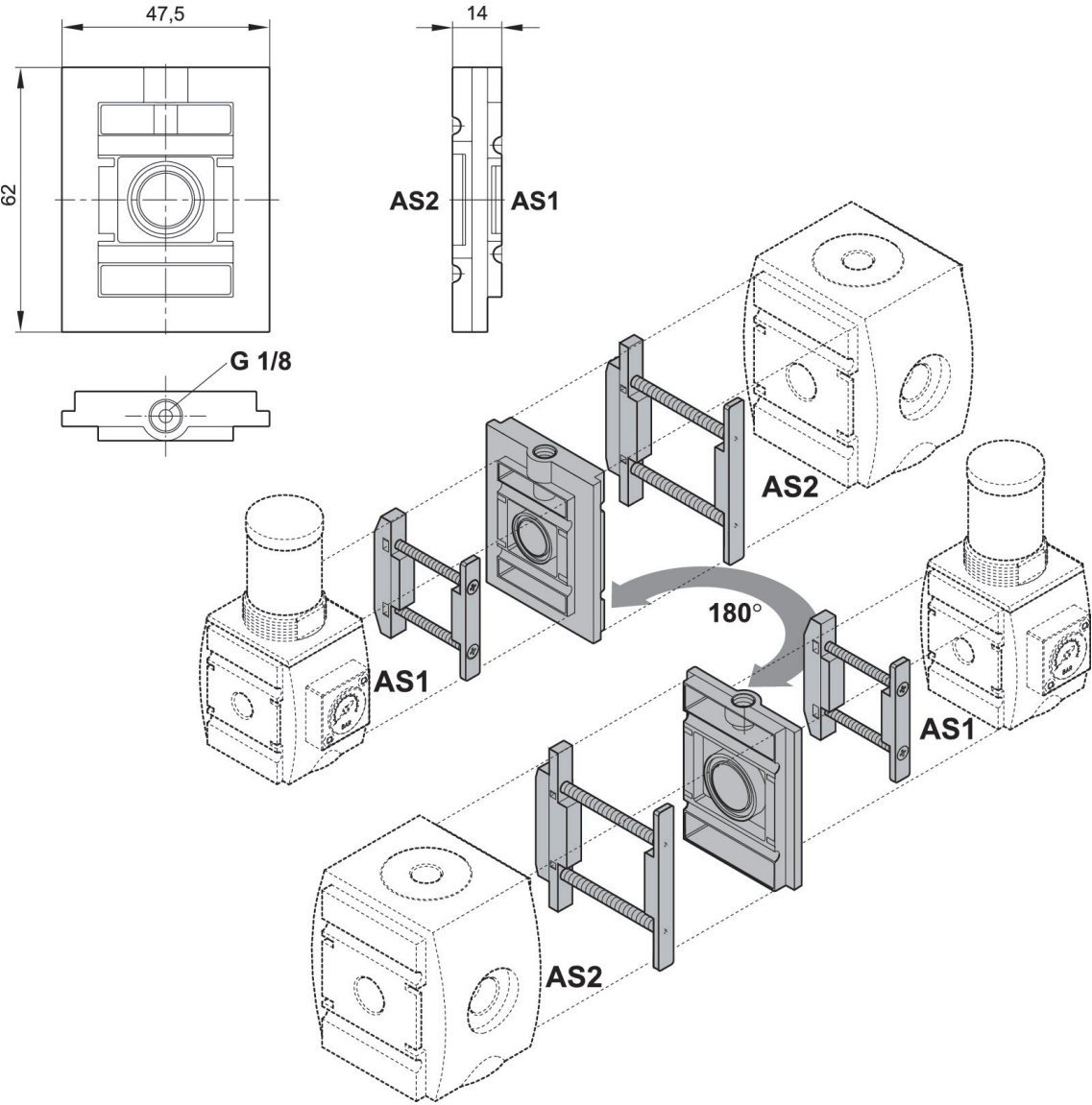
1) Scope of delivery incl. 4 mounting screws M3x53-4.8-A2R according to EN ISO 7046-1 (countersunk screw with type H X-slot), 2x O-ring

Block assembly kit, Series AS1/AS2-MBR-...-W07

Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C

Material	Part No.
Polyamide	R412014759

Dimensions in mm

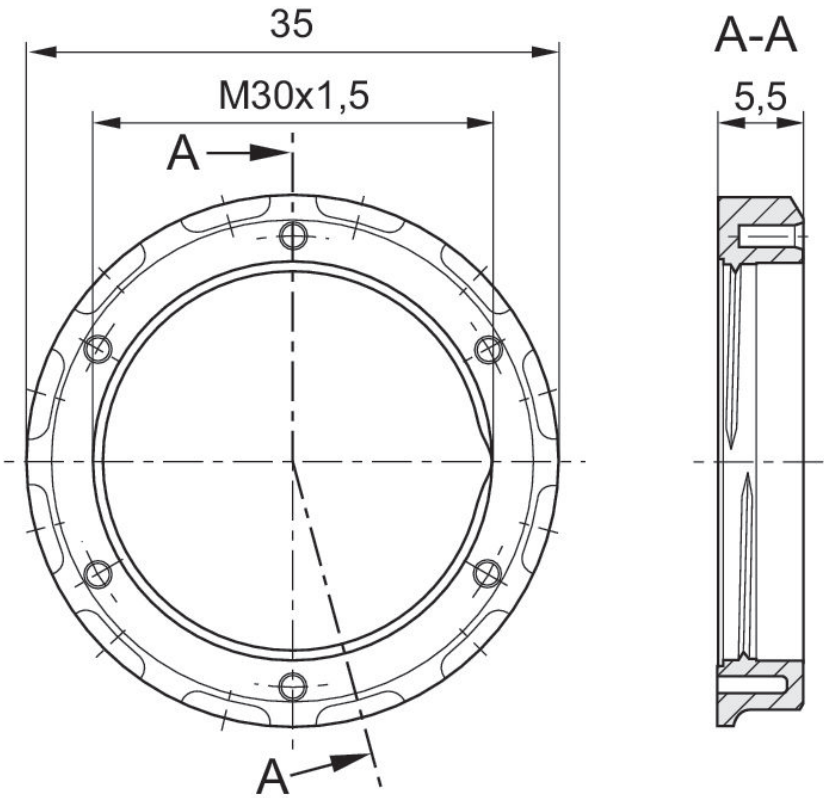


Panel nut, Series AS-MBR-...-W06



Port	Material	Scope of delivery [piece]	Part No.
M30x1,5	Brass	5	1829234070

Dimensions in mm

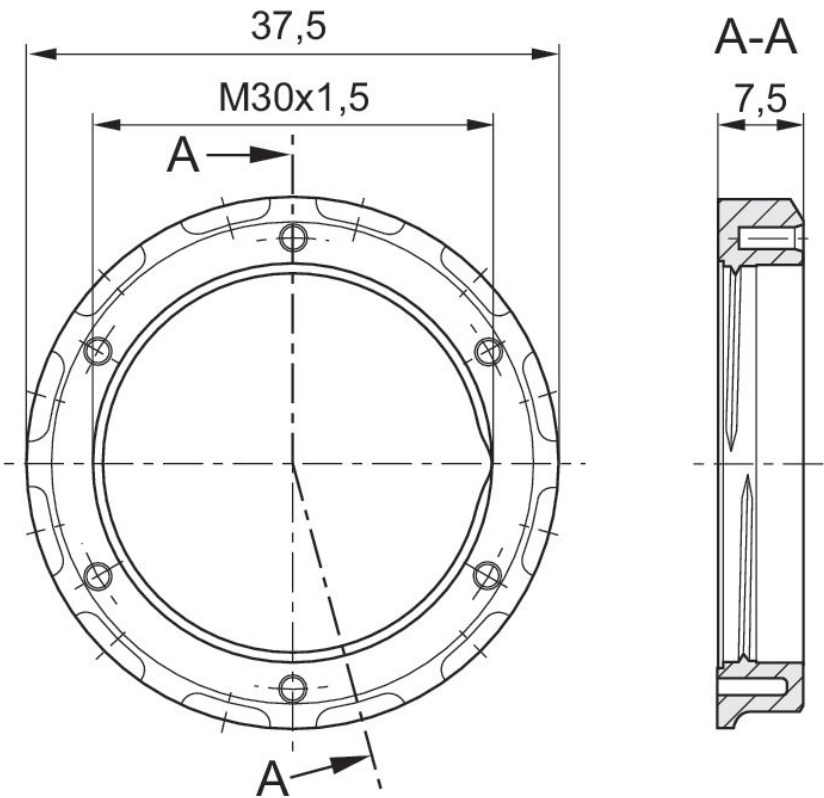


Panel nut, Series AS-MBR-...-W06



Port	Material	Scope of delivery [piece]	Part No.
M30x1,5	Plastic	5	1829234073

Dimensions



Pressure gauge, Series PG1-SAS

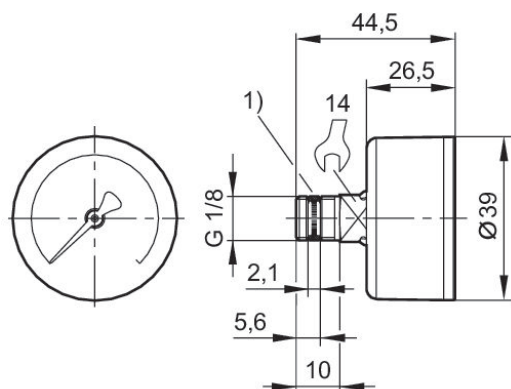
Min. ambient temperature: -40 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar



	Type	Nominal diameter [mm]	Port	Min. main scale display range [bar]	Max. main scale display range [bar]	Min. main scale display range [bar]	Max. main scale display range [bar]	Part No.
	Bourdon tube pressure gauge	40	G 1/8	0	1.2	0	1.6	R412003853
	Bourdon tube pressure gauge	40	G 1/8	0	2	0	2.5	R412003854
	Bourdon tube pressure gauge	40	G 1/8	0	3.2	0	4	R412003855
	Bourdon tube pressure gauge	40	G 1/8	0	4	0	6	R412003856
	Bourdon tube pressure gauge	40	G 1/8	0	8	0	10	R412003857
	Bourdon tube pressure gauge	40	G 1/8	0	12	0	16	R412003858

R412003853, R412003854, R412003855, R412003856, R412003857, R412003858

Dimensions in mm



1) Gasket thread

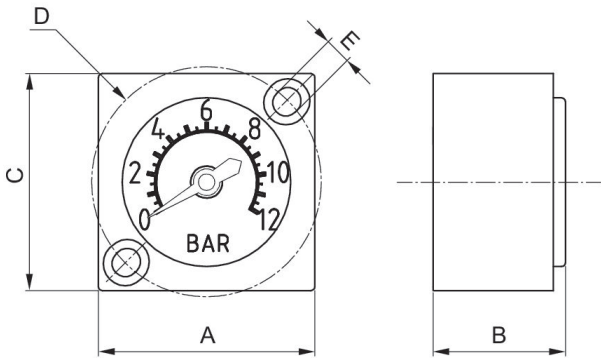
Pressure gauge, Series PG1-INT

Min. ambient temperature: 0 °C
Max. ambient temperature: 60 °C
Min. working pressure: 0 bar
Max. working pressure: 12 bar



	Type	Min. main scale display range [bar]	Max. main scale display range [bar]	Min. main scale display range [bar]	Max. main scale display range [bar]	Part No.
	Diaphragm pressure gauge	0	6	0	6	R412014760
	Diaphragm pressure gauge	0	12	0	12	R412014761

Dimensions

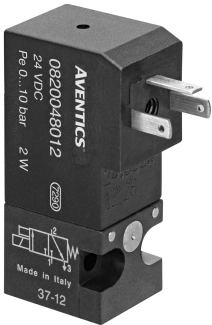


Dimensions in mm

Part No.	A	B	C	D	E
R412014760	27	16.5	27	28.3	3.3
R412014761	27	16.5	27	28.3	3.3
R412010518	27	16.5	27	28.3	3.3

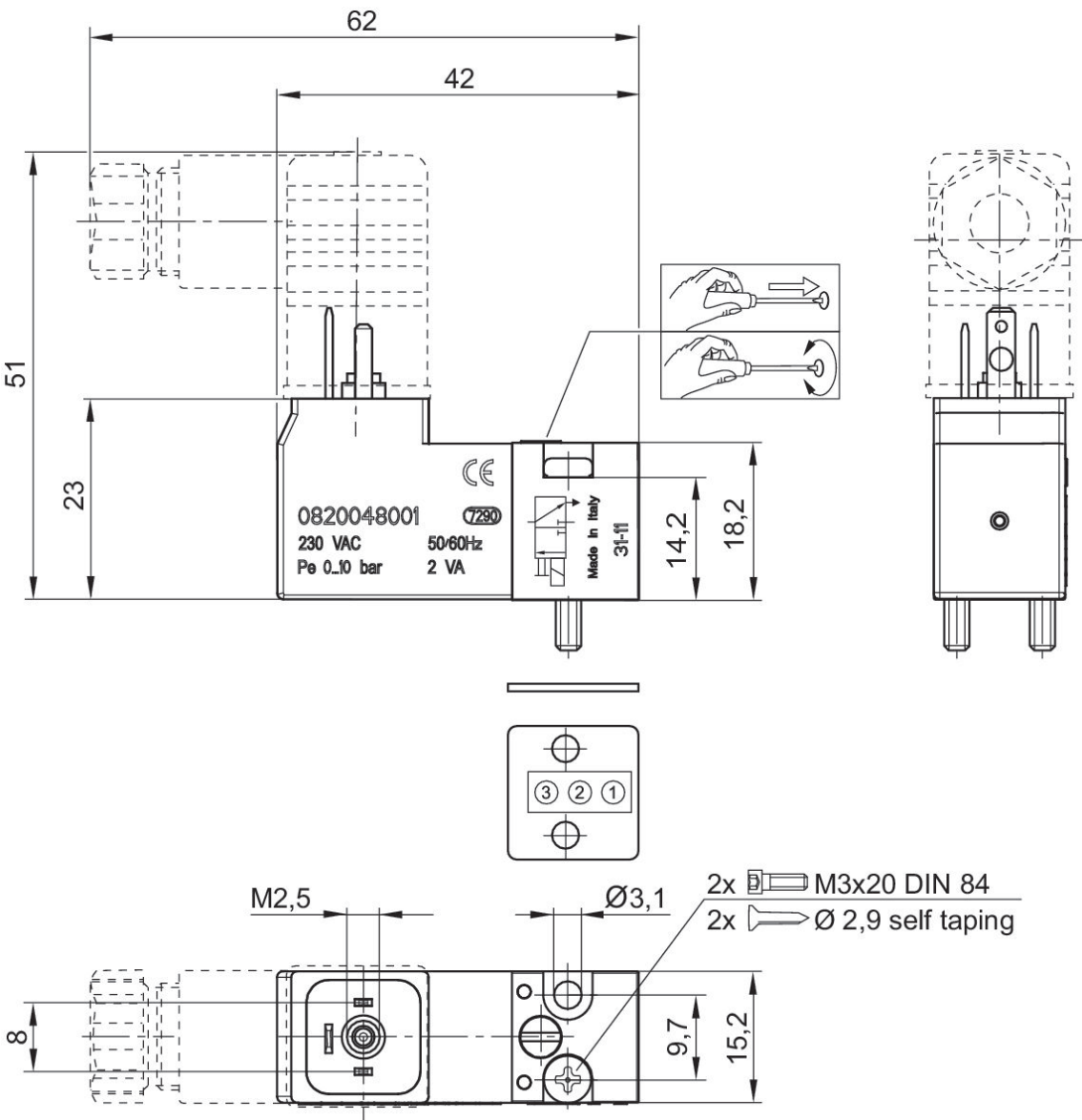
3/2-directional valve, Series DO16, 8 mm

Activation: Electrically
Coil width: 16 mm
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar



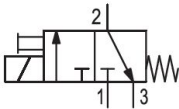
	Valve function	Switching principle	Operational voltage	Power consumption DC [W]	Manual override	Nominal flow Qn 1 to 2 [l/min]	Part No.
	NC	3/2, with spring return	24 V DC	2	without detent	25	0820048002
	NC	3/2, with spring return	24 V AC		without detent	25	0820048004
	NC	3/2, with spring return	110 V AC		without detent	25	0820048005
	NC	3/2, with spring return	230 V AC		without detent	25	0820048001
	NC	3/2, with spring return	24 V DC	2	with detent	25	0820048026
	NC	3/2, with spring return	24 V AC		with detent	25	0820048028
	NO	3/2, with spring return	230 V AC		without detent	16	0820048101
	NC	3/2, with spring return	110 V AC		with detent	25	0820048029
	NC	3/2, with spring return	230 V AC		with detent	25	0820048025
	NO	3/2, with spring return	24 V DC	2	without detent	20	0820048102
	NO	3/2, with spring return	24 V DC	2	with detent	20	0820048126

Dimensions



3/2-directional valve, Series DO16, Pilot valve only

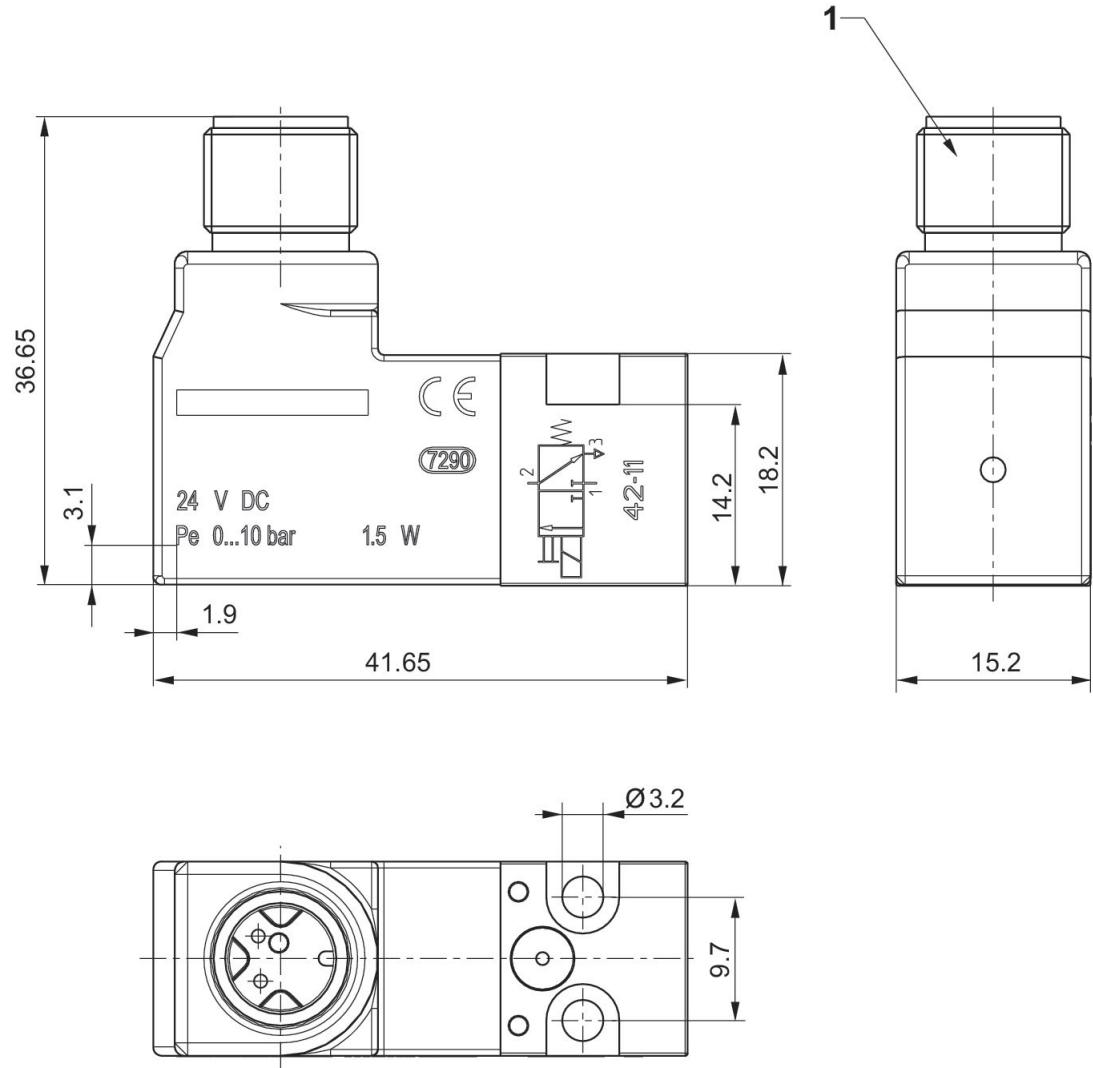
Activation: Electrically
Coil width: 16 mm
Electrical connection 2, thread size: M12
Qn 1 > 2: 18 l/min
Electrical connection 2, number of poles: 3-pin
Duty cycle: 100 %
Type: Poppet valve
Min. ambient temperature: -10 °C
Max. ambient temperature: 50 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar



Valve function	Switching principle	port pneumatic input 1	Compressed air connection output	Compressed air connection	Operational voltage	Power consumption DC [W]	Manual override	Part No.
NC	3/2, with spring return	Base plate	Base plate	Base plate	24 V DC	1.5	without detent	R412013391
NC	3/2, with spring return	Base plate	Base plate	Base plate	24 V DC	1.5	without detent	R412019226

Nominal flow Qn 1 to 2 [l/min]	Part No.
18	R412013391
18	R412019226

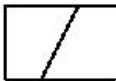
Dimensions in mm



1) Port for plug M12x1

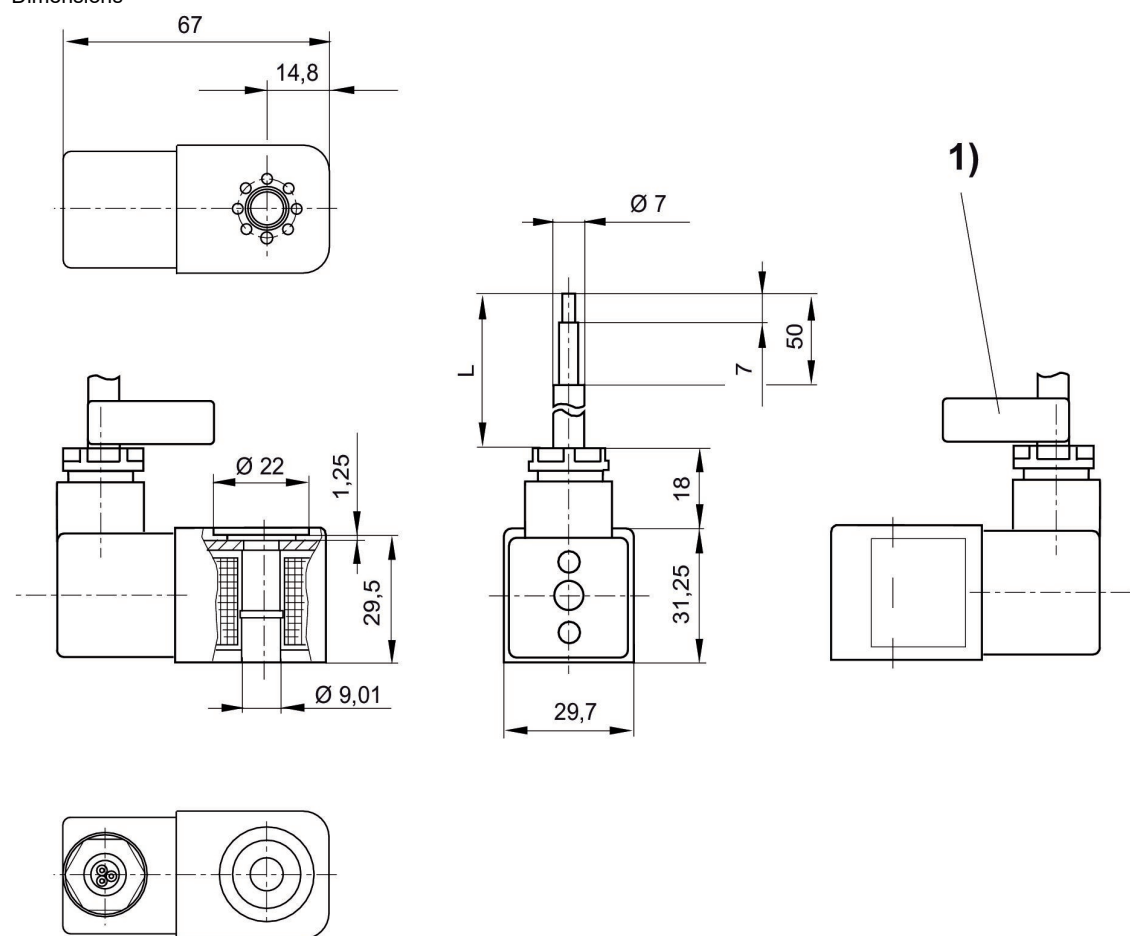
Coil, Series CO1, with cable, ATEX

Coil width: 30 mm
Duty cycle: 100 %
Min. ambient temperature: -20 °C
Max. ambient temperature: 50 °C



Operational voltage AC at 50 Hz	Operational voltage AC at 60 Hz	Voltage tolerance AC 50 Hz	Holding power AC 50 Hz [VA]	Switch-on power AC 50 Hz [VA]	Cable length [m]	Compatibil-ity index	Part No.
230 V	230 V	-10 % / +10 %	3	3.1	3	14	1827414297

Dimensions

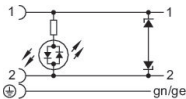


L = cable length

1) Cable ID band with serial number

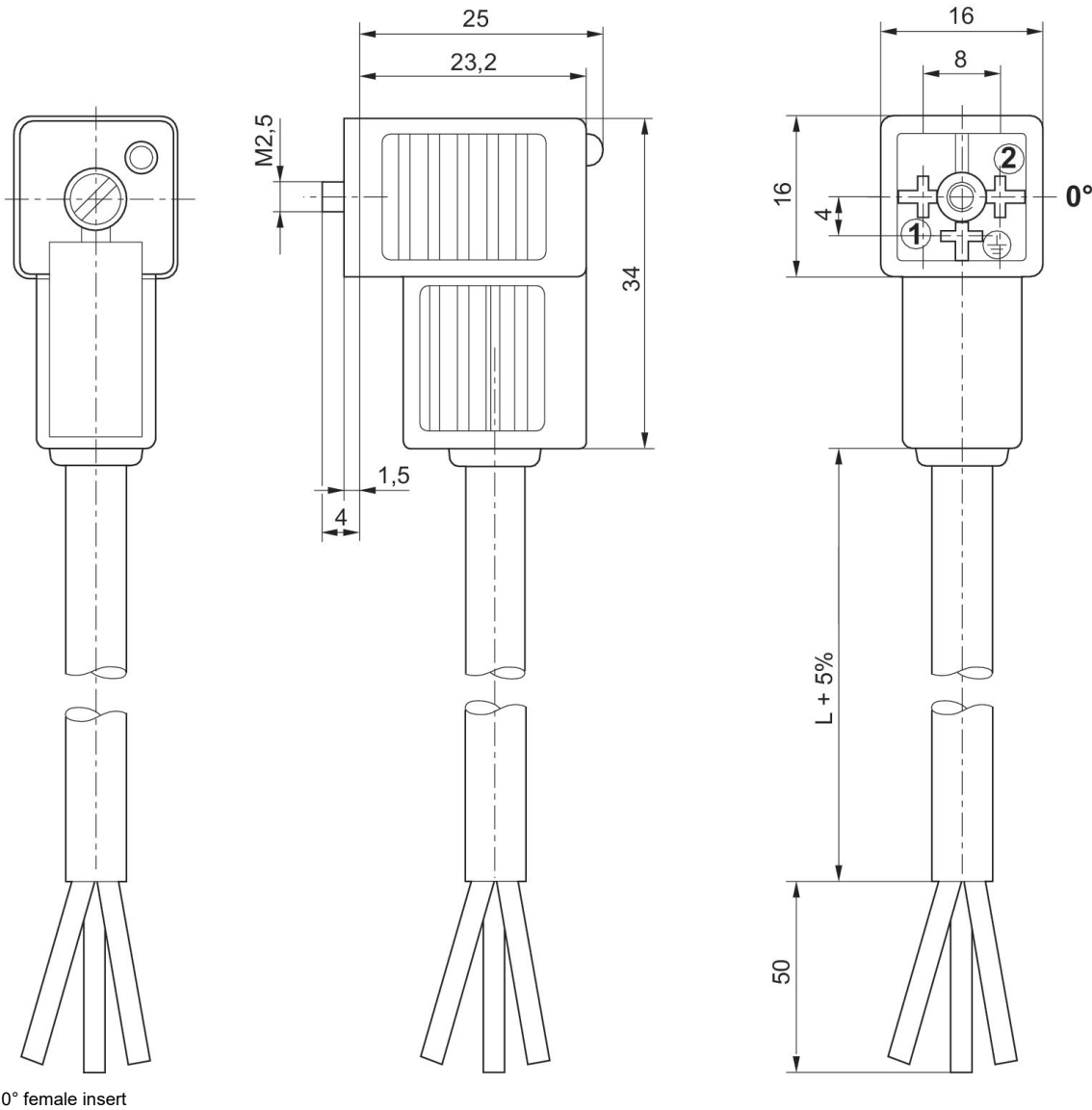
Valve plug connector, series CON-VP, 0° female insert

Electrical connection 1: Socket ... form C ... 2+E
Electrical connection 2: open cable ends ... 3-pin
Protective circuit: Z-diode
Ambient temperature min./max.: -20 °C ... 80 °C



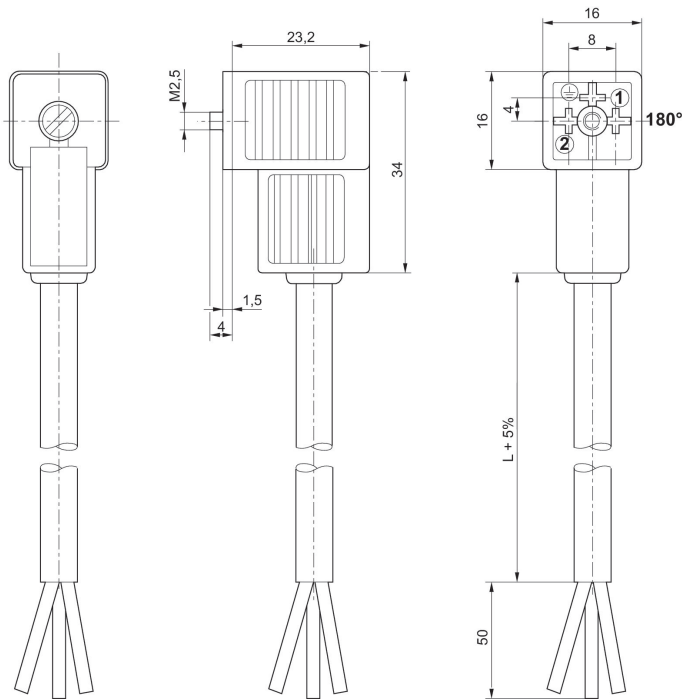
	Operational voltage	Protective circuit	Max. current [A]	Contact assignment	LED status display	Cable-Ø [mm]	Cable length [m]	Part No.
	230 V AC/DC		6	2+E		5.9	3	1834484213
	230 V AC/DC		6	2+E		5.9	5	1834484215
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	3	1834484205
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	5	1834484207
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	3	1834484209
	230 V AC/DC	Varistor	6	2+E	Yellow	5.9	5	1834484211
	24 V AC/DC	Z-diode	6	2+E	Yellow	5.9	10	1834484236

Dimensions



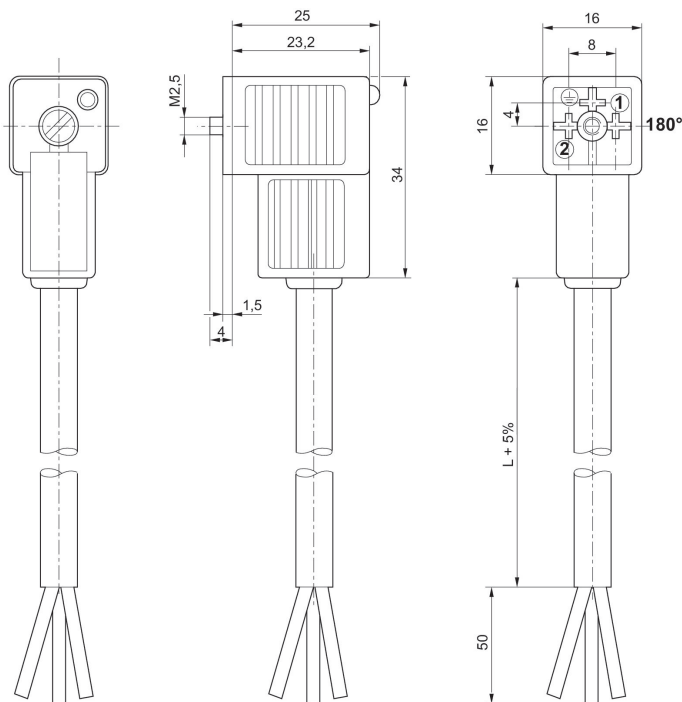
1834484213, 1834484215

Dimensions



1834484205, 1834484207, 1834484209,
1834484211, 1834484236

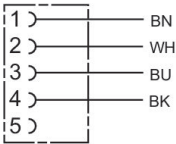
Dimensions



180° female insert

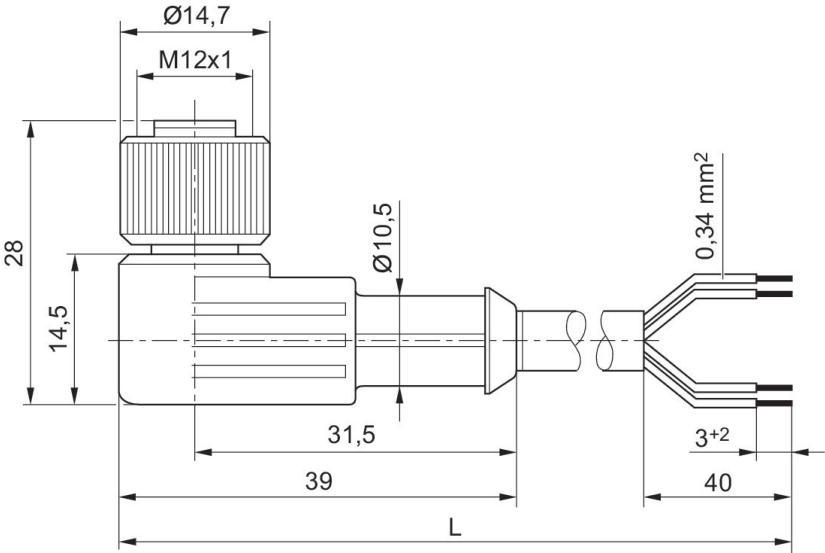
Round plug connector, Series CON-RD, 5-pin, angled, unshielded

Electrical connection 1: Socket ... M12x1 ... 5-pin ... angled
Electrical connection 2: without wire end ferrule, tin-plated ... 4-pin
Ambient temperature min./max.: -40 °C ... 85 °C



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	3	1834484259
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	5	1834484260
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	10	1834484261

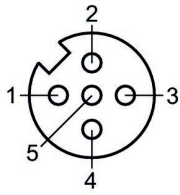
Dimensions



L = length

1834484259, 1834484260, 1834484261

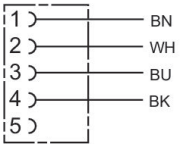
Pin assignment, socket



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

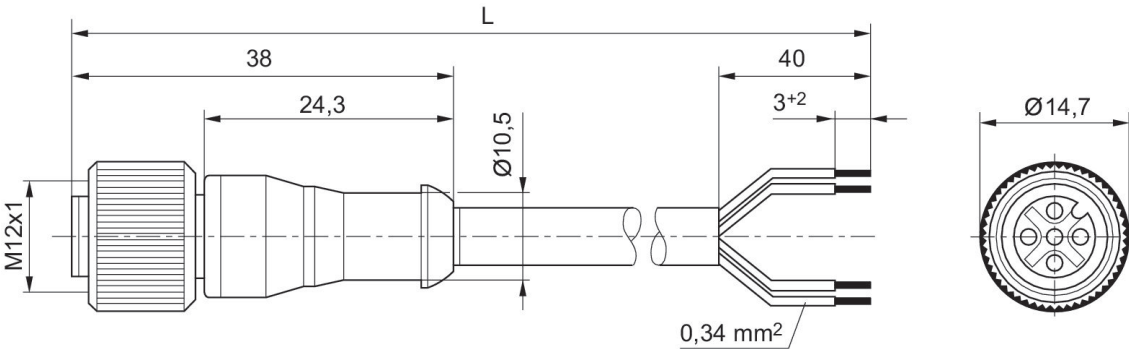
Round plug connector, Series CON-RD, open cable ends, straight

Electrical connection 1: Socket ... M12x1 ... 5-pin ... straight
Electrical connection 2: without wire end ferrule, tin-plated ... 4-pin
Ambient temperature min./max.: -25 °C ... 70 °C



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 1, number of poles	Electrical connection 1, coding	Electrical connection 2, type	Electrical connection 2, number of poles	Cable length [m]	Part No.
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	3	1834484256
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	5	1834484257
48 V AC/DC	Socket	M12x1	5-pin	A-coded	open cable ends	4-pin	10	1834484258

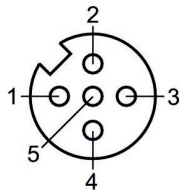
Dimensions



L = length

1834484256, 1834484257, 1834484258

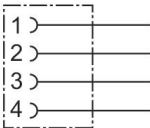
Pin assignment, socket



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

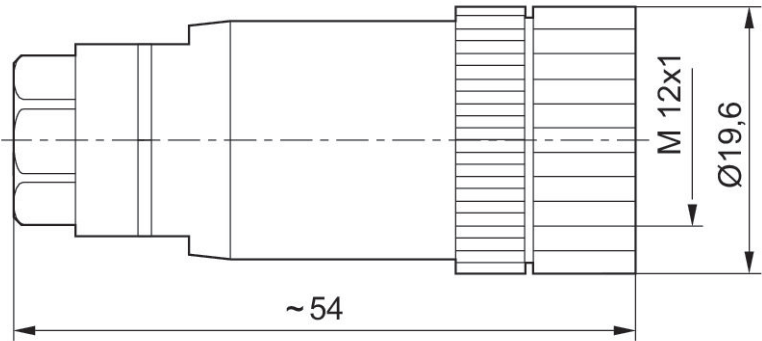
Round plug connector, Series CON-RD

Electrical connection 1: Socket ... M12x1 ... 4-pin ... A-coded ... straight
Connection type: Screws
Ambient temperature min./max.: -40 °C ... 85 °C



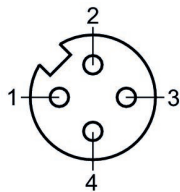
Operational voltage	Coding	Shielding	Connec- tion type	Max. current [A]	min. suit- able cable Ø [mm]	max. suit- able cable Ø [mm]	Part No.
48 V AC/DC	A-coded	unshielded	Screws	4	4	6	1834484177

Dimensions



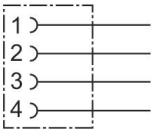
1834484177

Pin assignment, socket



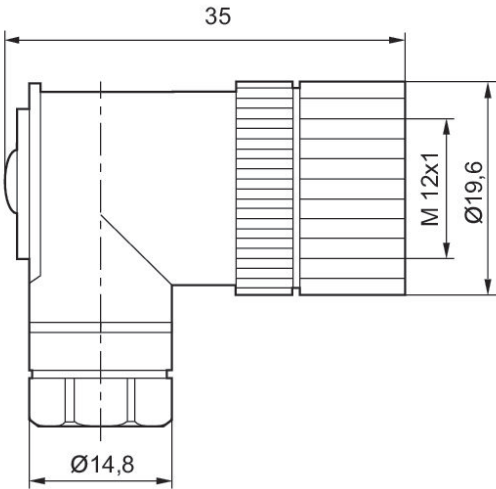
Round plug connector, Series CON-RD

Electrical connection 1: Socket ... M12x1 ... 4-pin ... A-coded ... angled
Connection type: Screws
Ambient temperature min./max.: -40 °C ... 85 °C



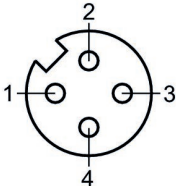
Operational voltage	Coding	Shielding	Connec- tion type	Max. current [A]	min. suit- able cable Ø [mm]	Part No.
48 V AC/DC	A-coded	unshielded	Screws	4	4	1834484178

Dimensions



1834484178

Pin assignment, socket



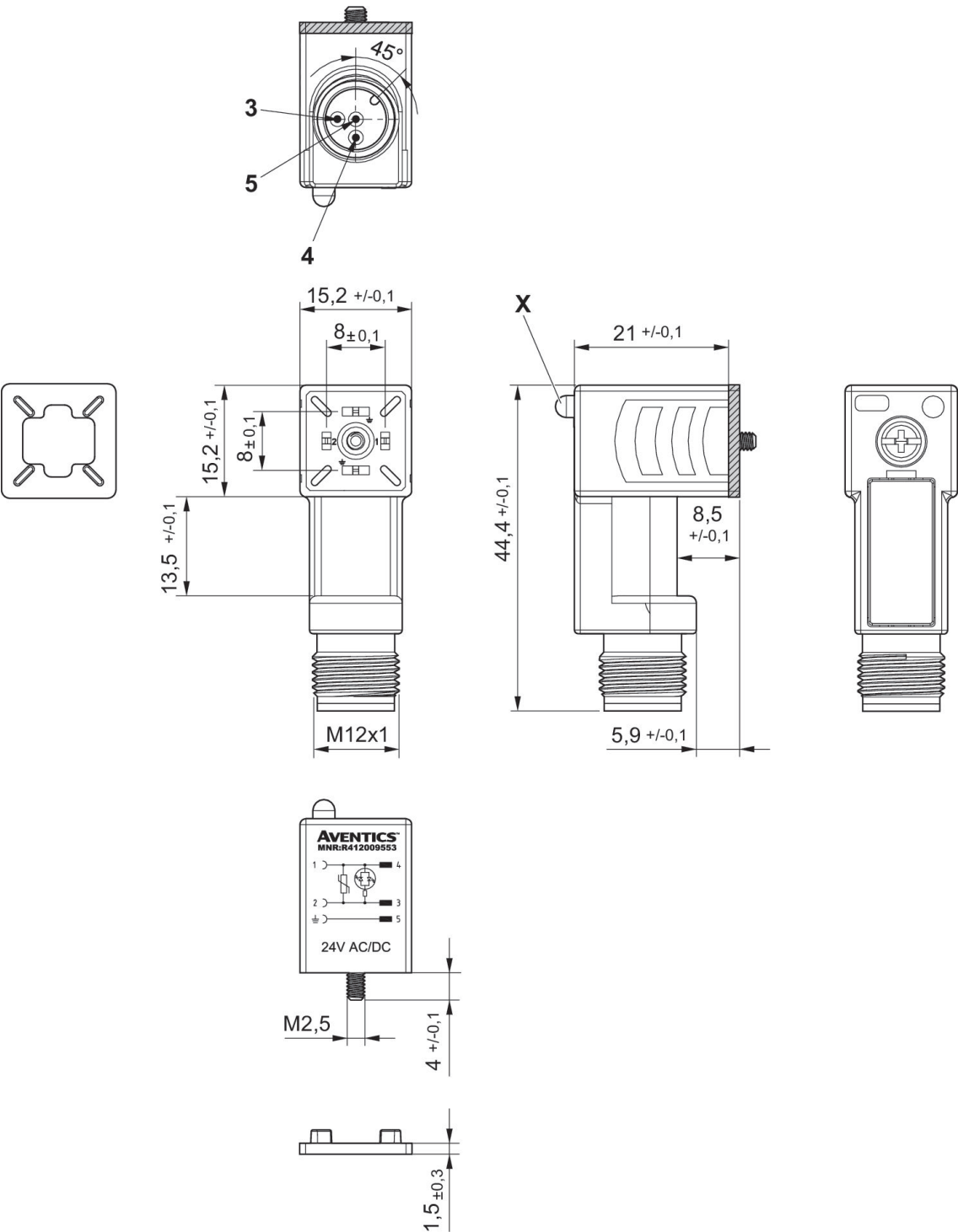
Adapter, Series CON-VP

Electrical connection 1: EN 175301-803, form C
Ambient temperature min./max.: -10 °C ... 100 °C



	Max. current [A]	Part No.
	1.5	R412009553

Dimensions

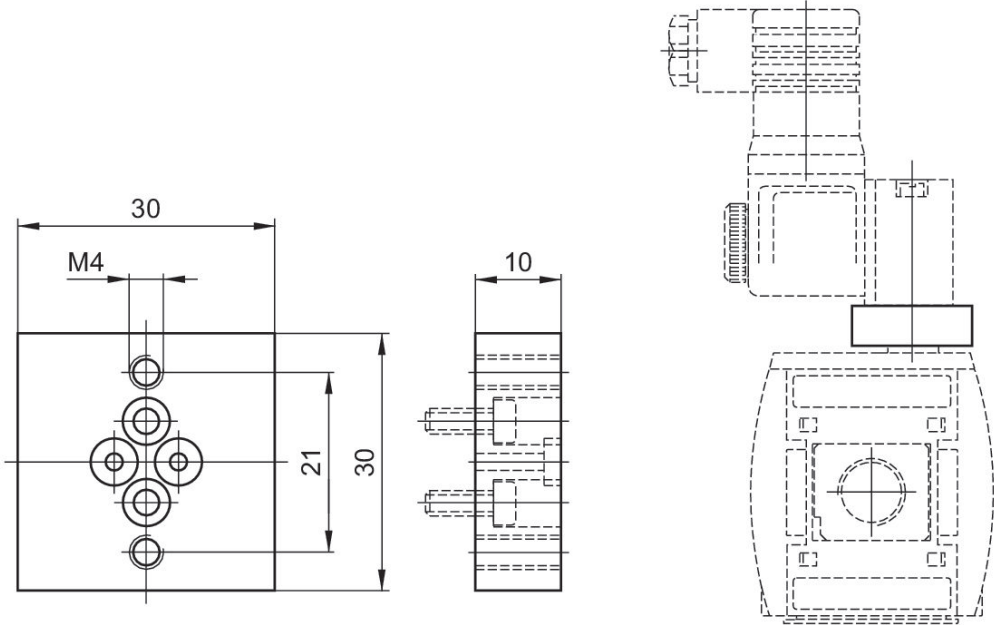


X LED
Profile seal

Transition plate, Series AS1, AS2, AS3, AS5

Material	Weight [kg]	Part No.
Aluminum	0.025	R412006360

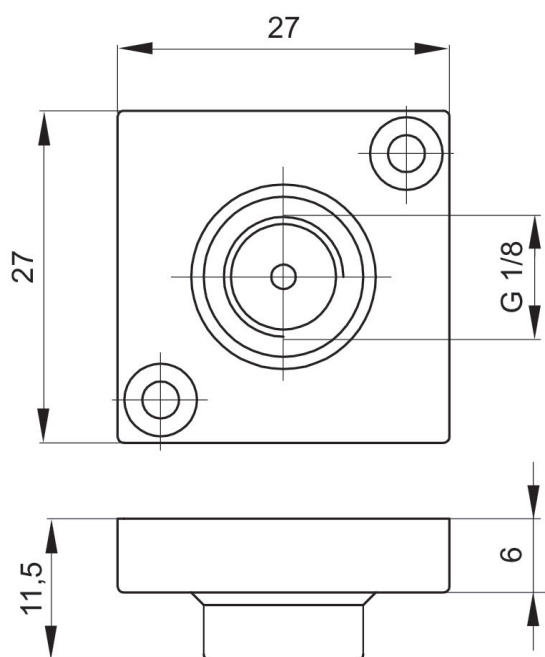
Dimensions in mm



Transition plate, Series AS1



Dimensions in mm

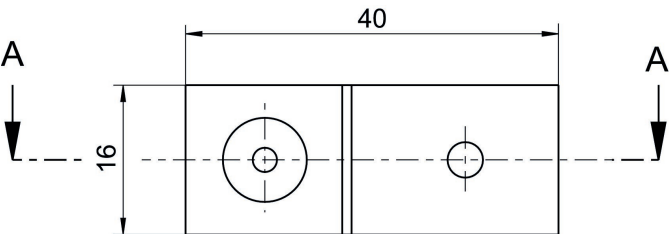


Mounting aid

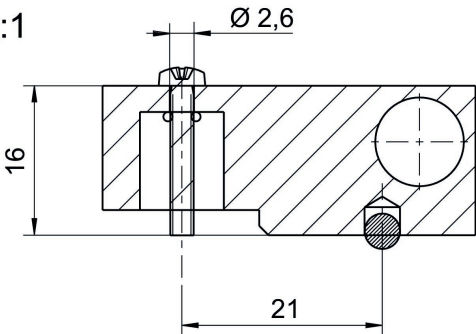


Material	Part No.
Aluminum	R412019278

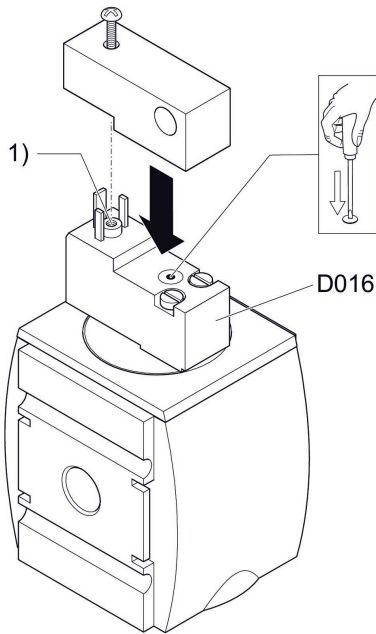
Dimensions in mm



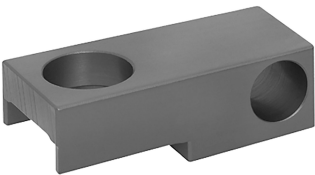
A-A
2:1



1) ISO 15217, form C

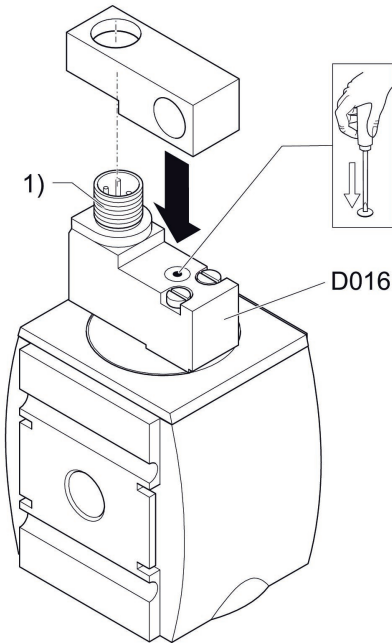
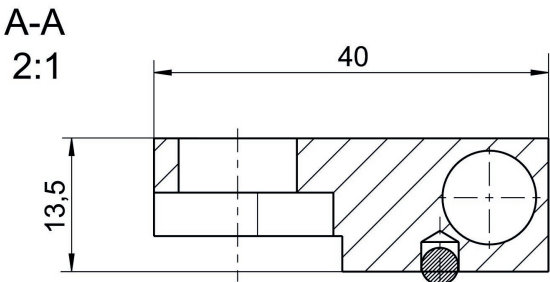
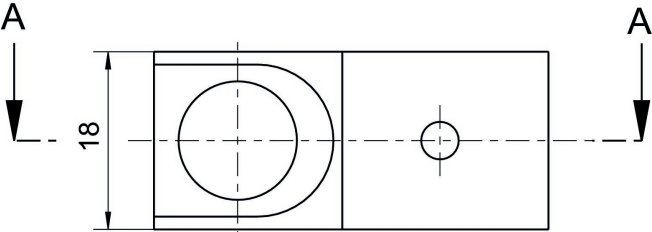


Mounting aid



Material	Part No.
Aluminum	R412015193

Dimensions in mm



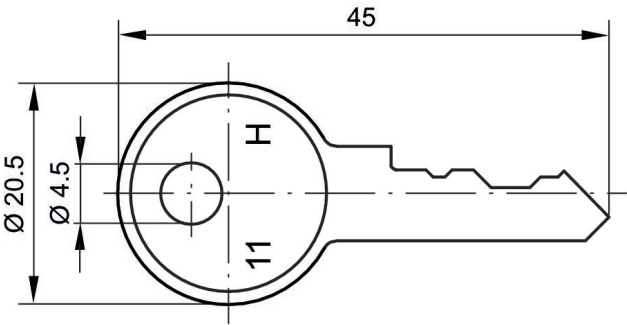
1) M12x1

Key for E11 locking



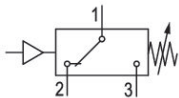
Delivery unit [piece]	Part No.
1	R961403407

Dimensions in mm



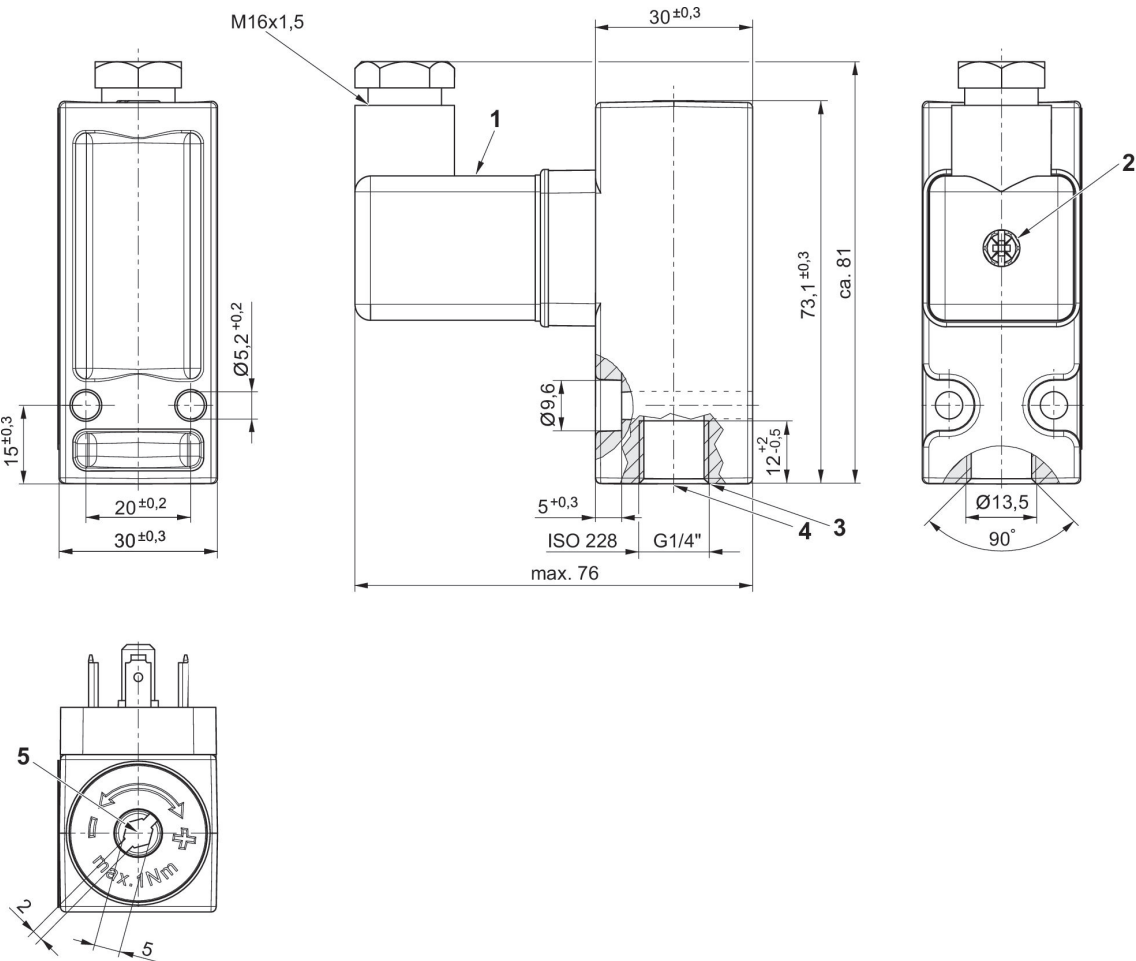
Pressure Switches, Series PM1, G1/4, form A, With valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
G 1/4	-0.9	0	80 bar	max. switch- ing pressure difference	Any	R412010711
G 1/4	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010713
G 1/4	-0.9	3	80 bar	max. switch- ing pressure difference	Any	R412022752

Dimensions in mm



- 1) Valve plug connector
- 2) Mounting screw
- 3) sealing surface
- 4) Tightening torque MA = 12 ± 1 Nm
- 5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C

- 1) AC
- 2) DC

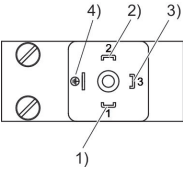
Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

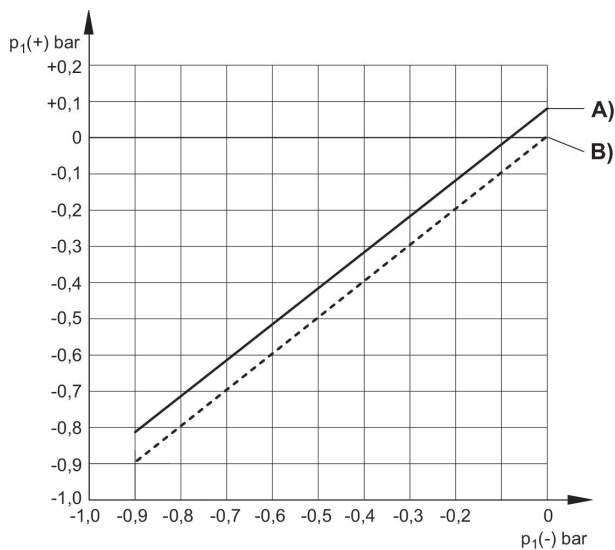
R412010711, R412010713, R412022752

PIN assignment for valve plug connectors



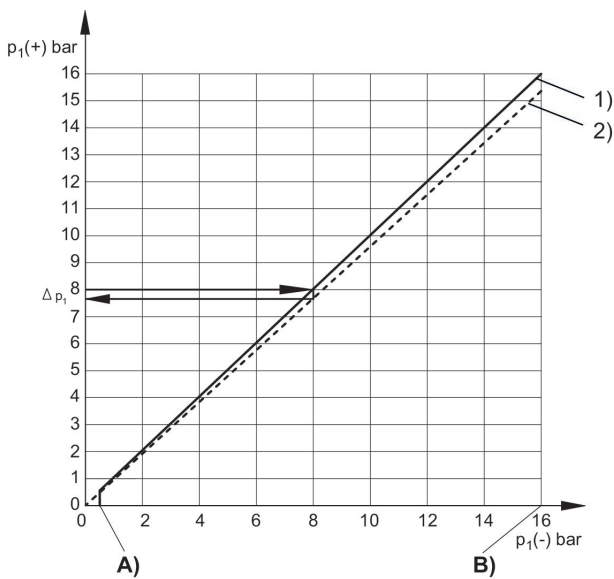
Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (-0,9 - 0 bar)



A) $p_1(-)$, min.
B) $p_1(-)$, max.
 $p_1(+)$ = upper switching pressure with increasing pressure
 $p_1(-)$ = lower switching pressure with decreasing pressure

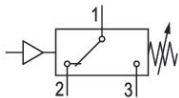
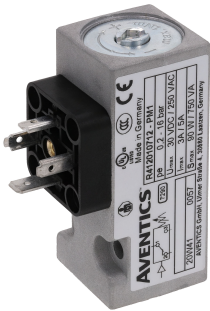
Differential switching pressure characteristic curve (0,2 - 16 bar)



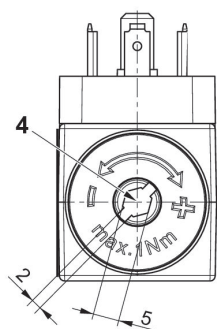
A) $p_1(-)$, min.
B) $p_1(-)$, max.
1) Rising
2) Falling
 $p_1(+)$ = upper switching pressure with increasing pressure
 $p_1(-)$ = lower switching pressure with decreasing pressure
 Δp_1 = max. operating pressure difference or hysteresis Example: $p_1(+)$ = 8 bar > $p_1(-)$ = 7,6 bar Δp_1 = 0,4 bar

Pressure Switches, Series PM1, G1/4, form A, without valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
G 1/4	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010712



- 1) Mounting screw
- 2) sealing surface
- 3) Tightening torque $MA = 12 + 1 \text{ Nm}$
- 4) adjustment screw

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

- 1) AC
- 2) DC
- 3) $\cos \approx 0,7^\circ$
- 4) $L/R \approx 10 \text{ ms}$

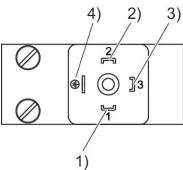
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

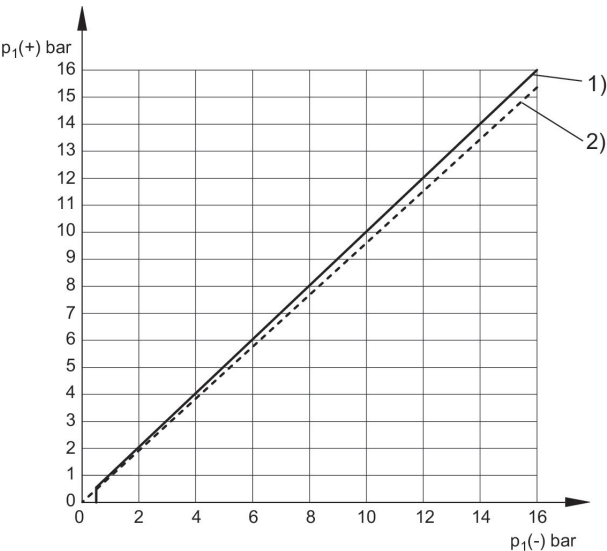
R412010712

PIN assignment for valve plug connectors



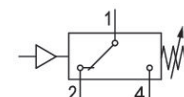
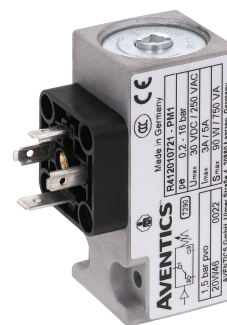
Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (0,2 - 16 bar)



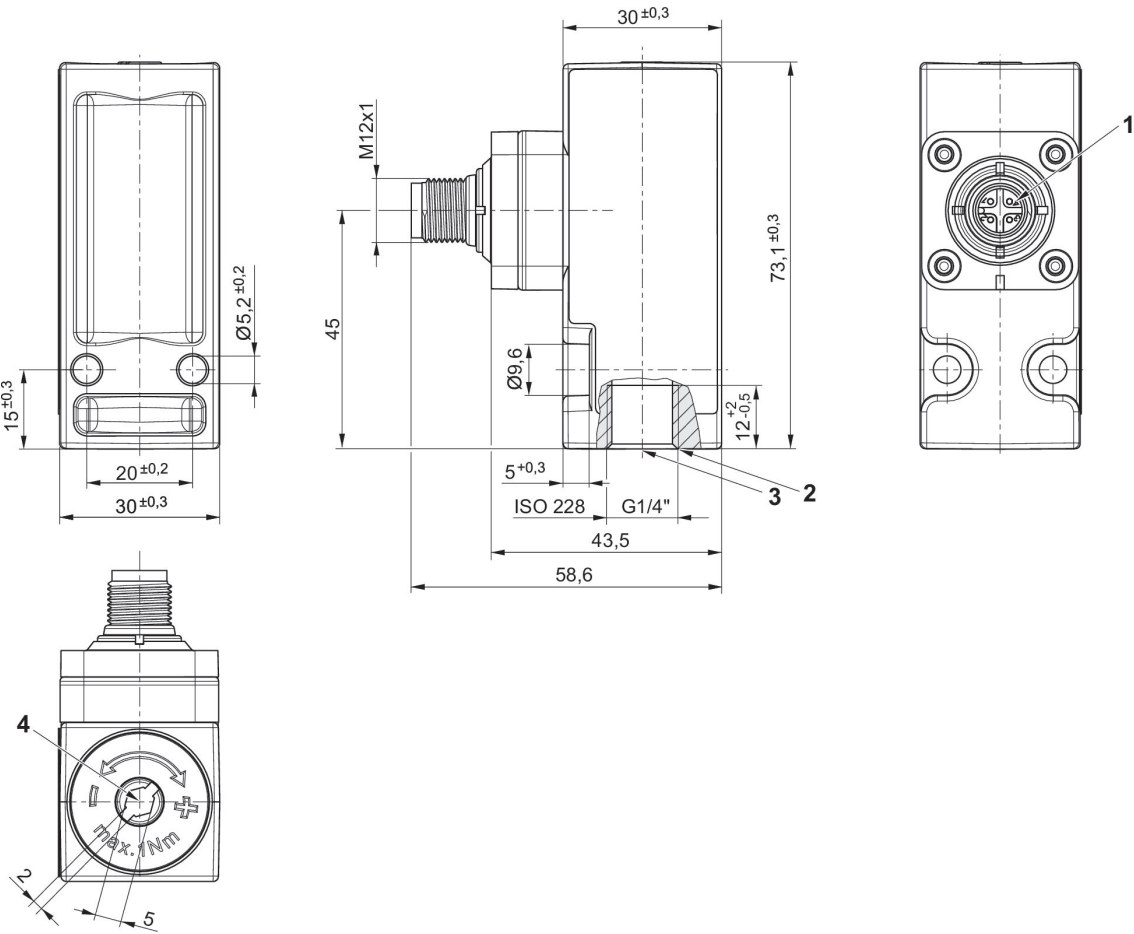
$p_1(+)$ = upper switching pressure with increasing pressure
 $p_1(-)$ = lower switching pressure with decreasing pressure
1) Rising
2) Falling

Electrical connection 2, thread size: M12x1
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Protection against over-pressure	Hysteresis	Mounting orientation	Part No.
G 1/4	0.2	16	80 bar	max. switching pressure difference	Any	R412010717

Dimensions in mm



- 1) M12 connection rotatable by 90° and 30° with detent
- 2) sealing surface
- 3) Tightening torque MA = 12 + 1 Nm
- 4) adjustment screw

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

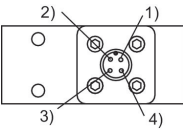
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

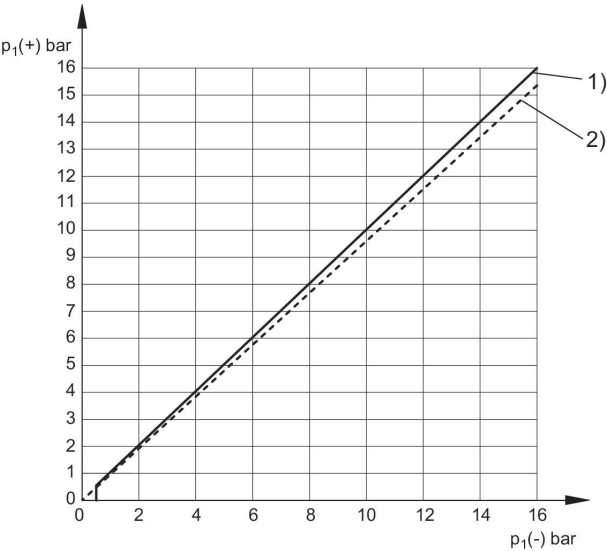
R412010717

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

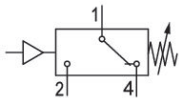
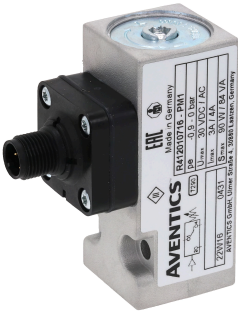
Differential switching pressure characteristic curve (0,2 - 16 bar)



$p_1 (+)$ = upper switching pressure with increasing pressure
 $p_1 (-)$ = lower switching pressure with decreasing pressure
1) Rising
2) Falling

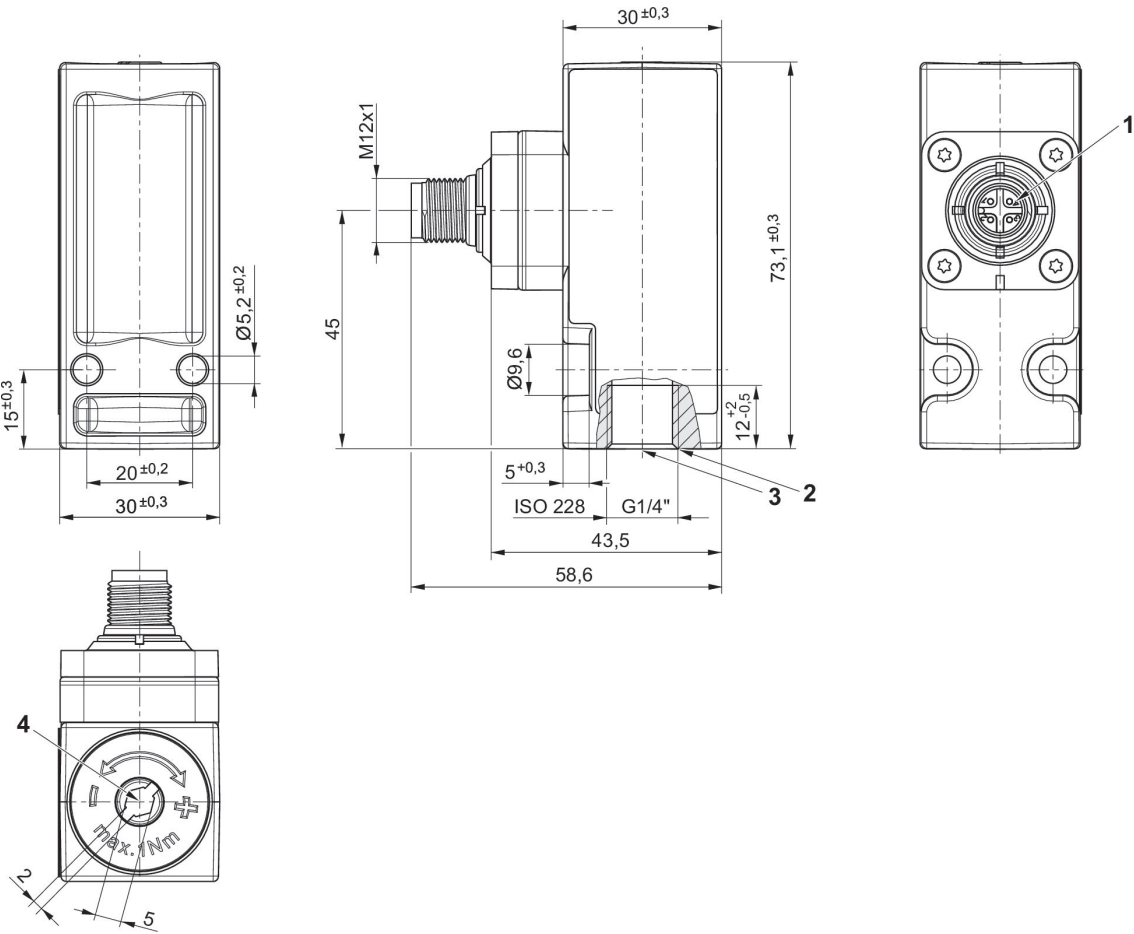
Pressure Switches, Series PM1, M12, -0,9 - 0 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Internal thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
G 1/4	-0.9	0	80 bar	max. switch- ing pressure difference	Any	R412010716

Dimensions in mm



- 1) M12 connection rotatable by 90° and 30° with detent
- 2) sealing surface
- 3) Mounting screw
- 4) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

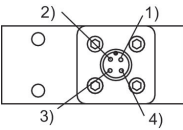
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

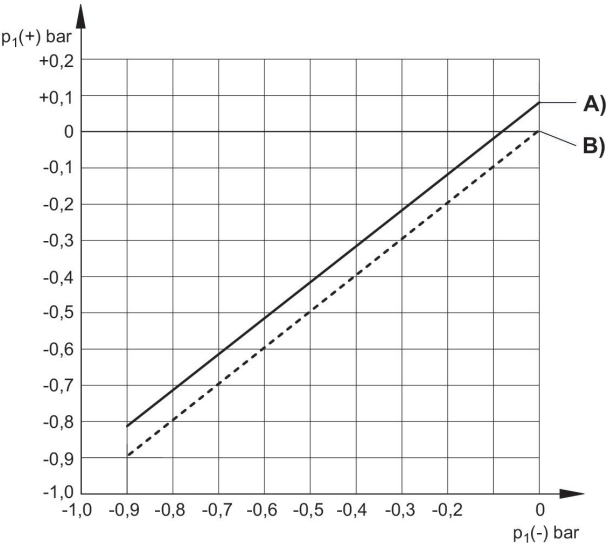
R412010716

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

Differential switching pressure characteristic curve (-0,9 – 0 bar)



A) $p_1(-)$, min.
B) $p_1(-)$, max.
 $p_1(+)$ = upper switching pressure with increasing pressure
 $p_1(-)$ = lower switching pressure with decreasing pressure

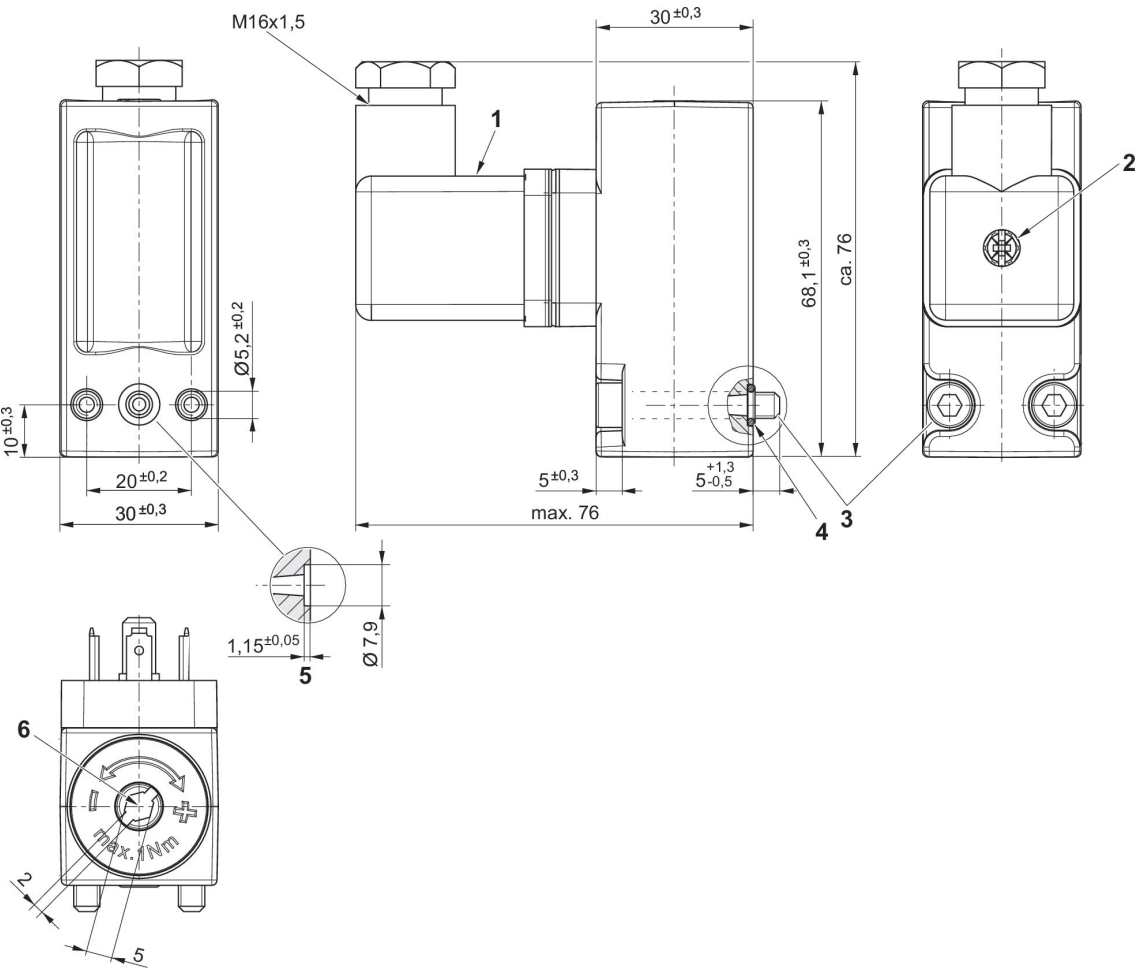
Pressure Switches, Series PM1, flange, form A, With valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



	Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
	Ø 5x1,5	-0.9	0	80 bar	max. switch- ing pressure difference	Any	R412010714
	Ø 5x1,5	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010718

Dimensions in mm



- 1) Valve plug connector
- 2) Mounting screw
- 3) cylinder screw M5x30 (included in scope of delivery)
- 4) O-ring Ø5x1,5 (included)
- 5) O-ring countersink
- 6) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C

- 1) AC
- 2) DC
- 3) cos ≈ 0,7°
- 4) L/R ≈ 10 ms

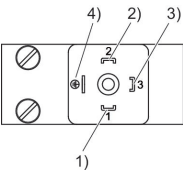
Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

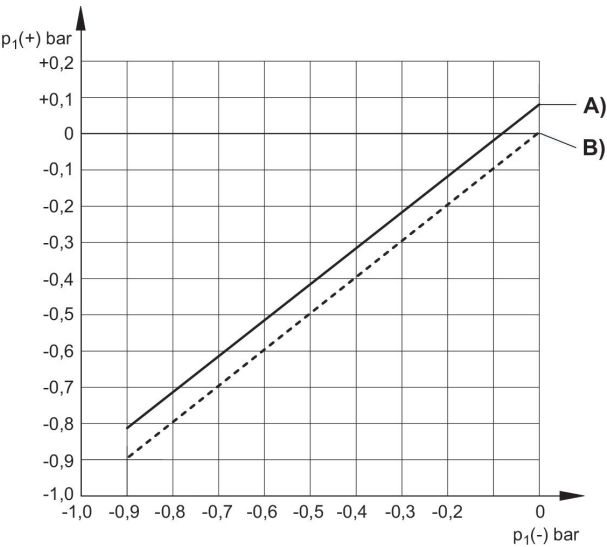
R412010714, R412010718

PIN assignment for valve plug connectors



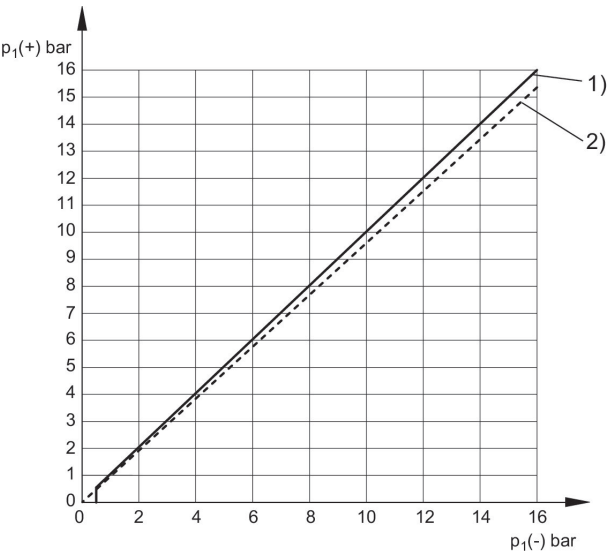
Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (-0,9 - 0 bar)



A) p1 (-), min.
B) p1 (-), max.
p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure

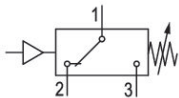
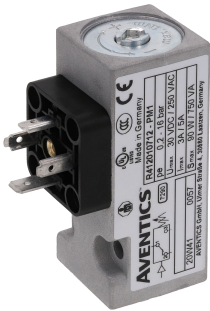
Differential switching pressure characteristic curve (0,2 - 16 bar)



p1 (+) = upper switching pressure with increasing pressure
p1 (-) = lower switching pressure with decreasing pressure
1) Rising
2) Falling

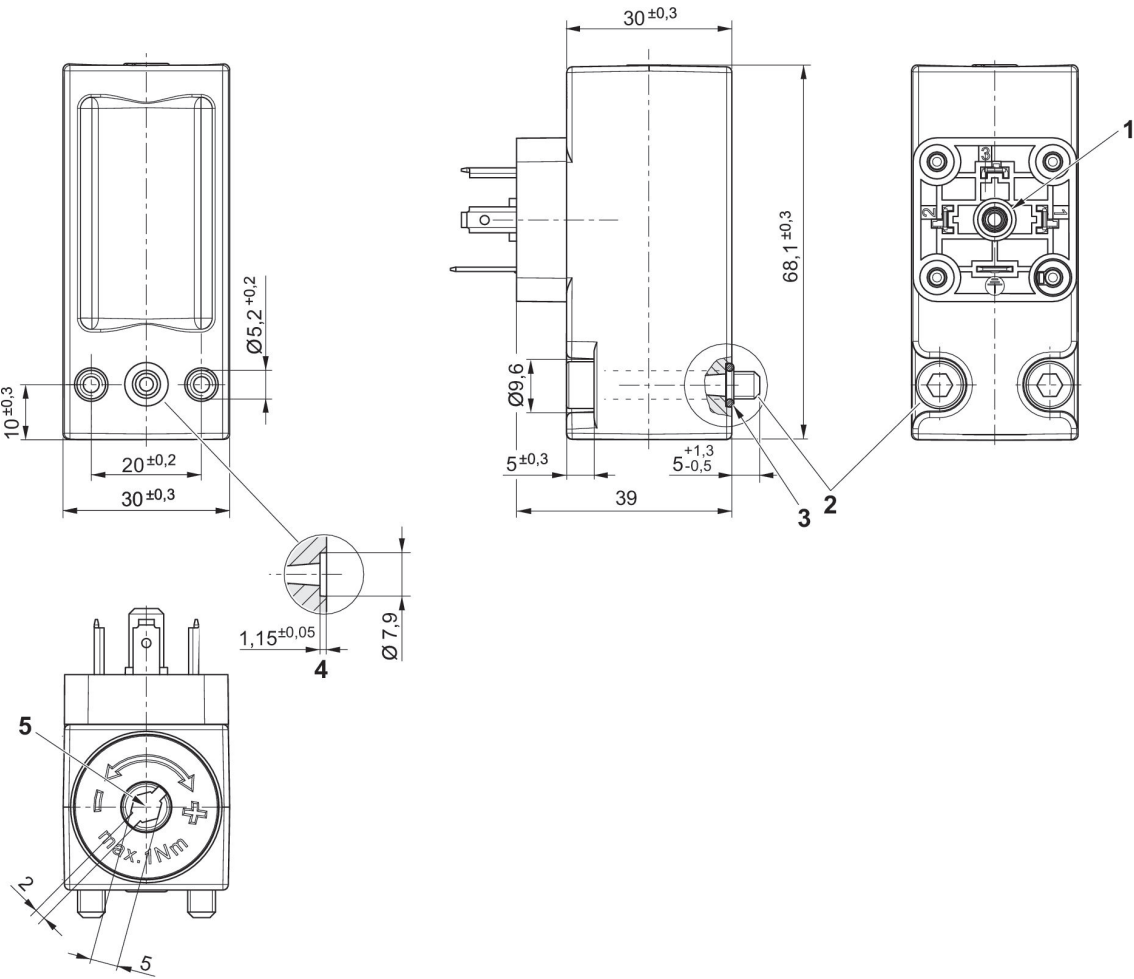
Pressure Switches, Series PM1, flange, form A, without valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010715

Dimensions in mm



- 1) Mounting screw
- 2) cylinder screw M5x30 (included in scope of delivery)
- 3) O-ring Ø5x1,5 (included)
- 4) O-ring countersink
- 5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	30-250	30 / 48 / 60 / 125
I [A] 1)	5	-
I [A] 2)	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

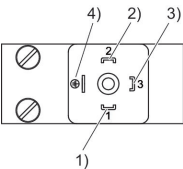
Max. permissible continuous current I max. [A] with inductive load

U [V]	30-250	30 / 48 / 60 / 125
I [A] 1) 3)	3	-
I [A] 2) 4)	-	2 / 0,55 / 0,4 / 0,15

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

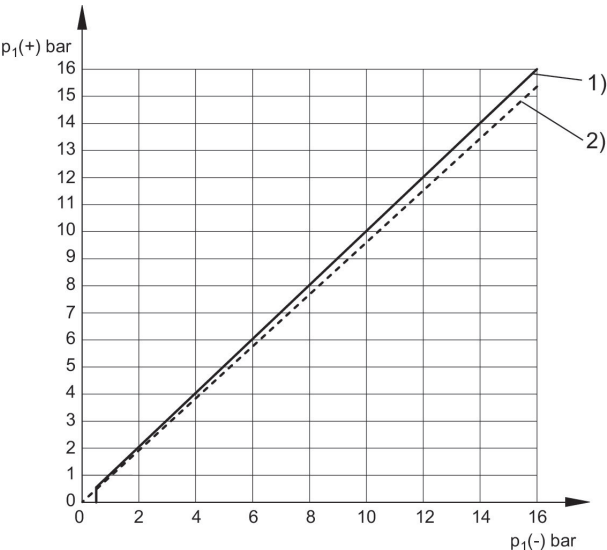
R412010715

PIN assignment for valve plug connectors



Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

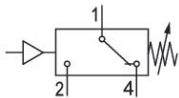
Differential switching pressure characteristic curve (0,2 - 16 bar)



$p_1 (+)$ = upper switching pressure with increasing pressure
 $p_1 (-)$ = lower switching pressure with decreasing pressure
1) Rising
2) Falling

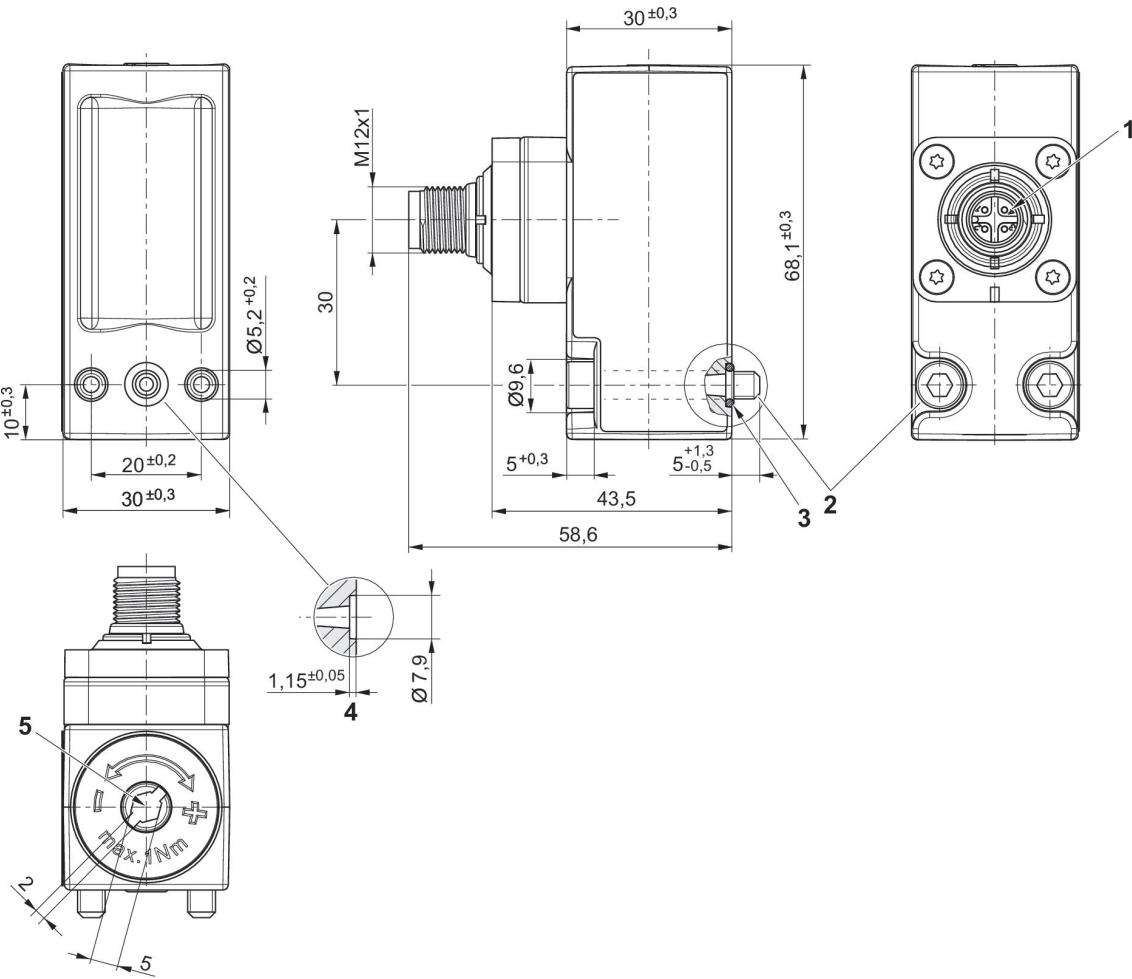
Pressure Switches, Series PM1, flange, M12, -0,9 - 0 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	-0.9	0	80 bar	max. switch- ing pressure difference	Any	R412010719

Dimensions in mm



- 1) M12 connection rotatable by 90° and 30° with detent
- 2) cylinder screw M5x30 (included in scope of delivery)
- 3) O-ring Ø5x1,5 (included)
- 4) O-ring countersink
- 5) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) cos ≈ 0,7°
4) L/R ≈ 10 ms

Max. permissible continuous current I max. [A] with ohmic load

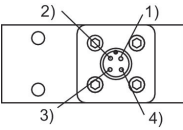
U [V]	I [A] 1)	I [A] 2)
30	4	3

reference cycle: 30/min., reference temperature: +30 °C
1) AC

2) DC

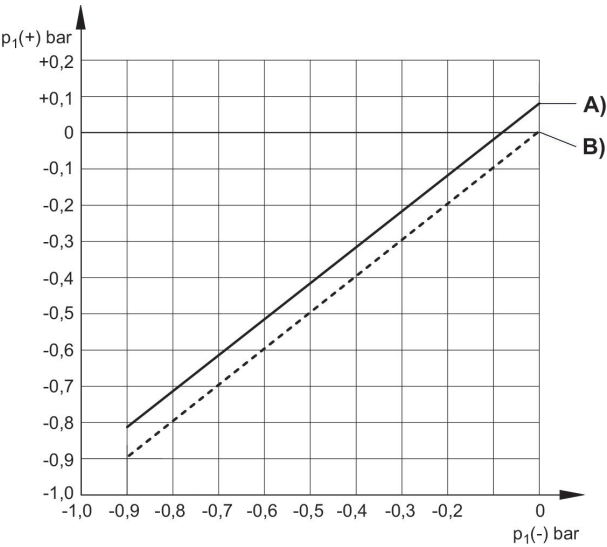
R412010719

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

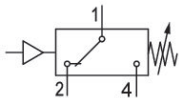
Differential switching pressure characteristic curve (-0,9 – 0 bar)



A) $p_1(-)$, min.
B) $p_1(-)$, max.
 $p_1(+)$ = upper switching pressure with increasing pressure
 $p_1(-)$ = lower switching pressure with decreasing pressure

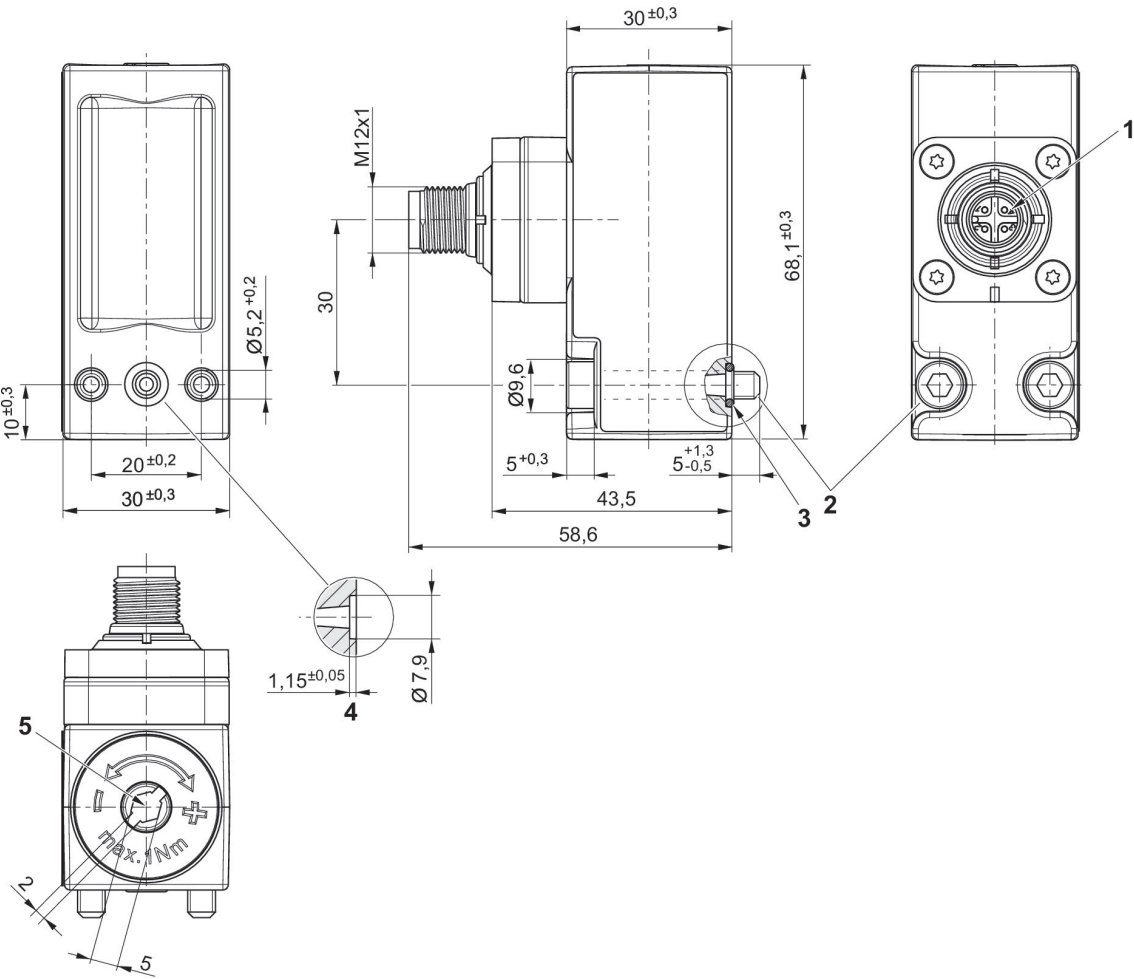
Pressure Switches, Series PM1, flange, M12, 0,2 - 16 bar

Electrical connection 2, thread size: M12x1
Compressed air connection type: Flange with O-ring
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
Ø 5x1,5	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010720

Dimensions in mm



- 1) M12 connection rotatable by 90° and 30° with detent
- 2) cylinder screw M5x30 (included in scope of delivery)
- 3) O-ring Ø5x1,5 (included)
- 4) O-ring countersink
- 5) adjustment screw

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

Max. permissible continuous current I max. [A] with inductive load

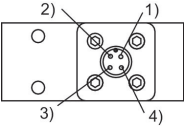
U [V]	I [A] 1) 3)	I [A] 2) 4)
30	3	2

reference cycle: 30/min., reference temperature: +30 °C

- 1) AC
- 2) DC
- 3) $\cos \approx 0,7^\circ$
- 4) $L/R \approx 10\text{ ms}$

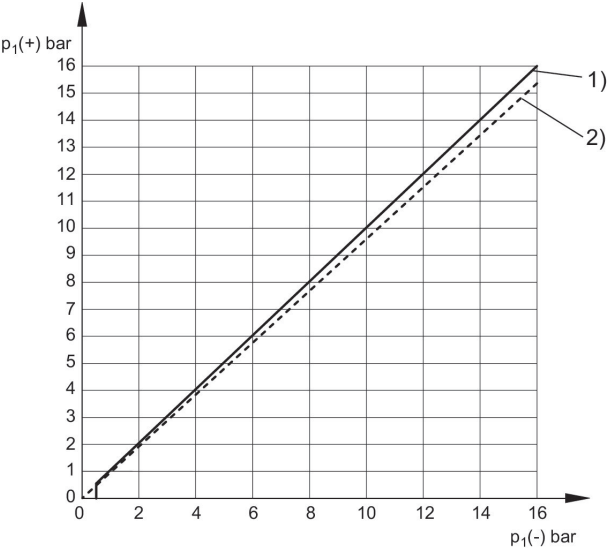
R412010720

Pin assignments



Pin	Allocation
1	+UB
2	break contact
3	No function
4	NO (make contact)

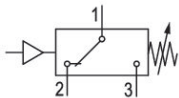
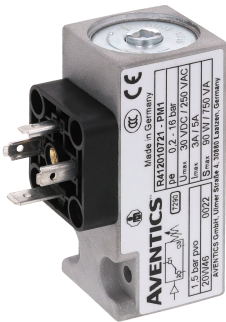
Differential switching pressure characteristic curve (0,2 - 16 bar)



$p_1 (+)$ = upper switching pressure with increasing pressure
 $p_1 (-)$ = lower switching pressure with decreasing pressure
1) Rising
2) Falling

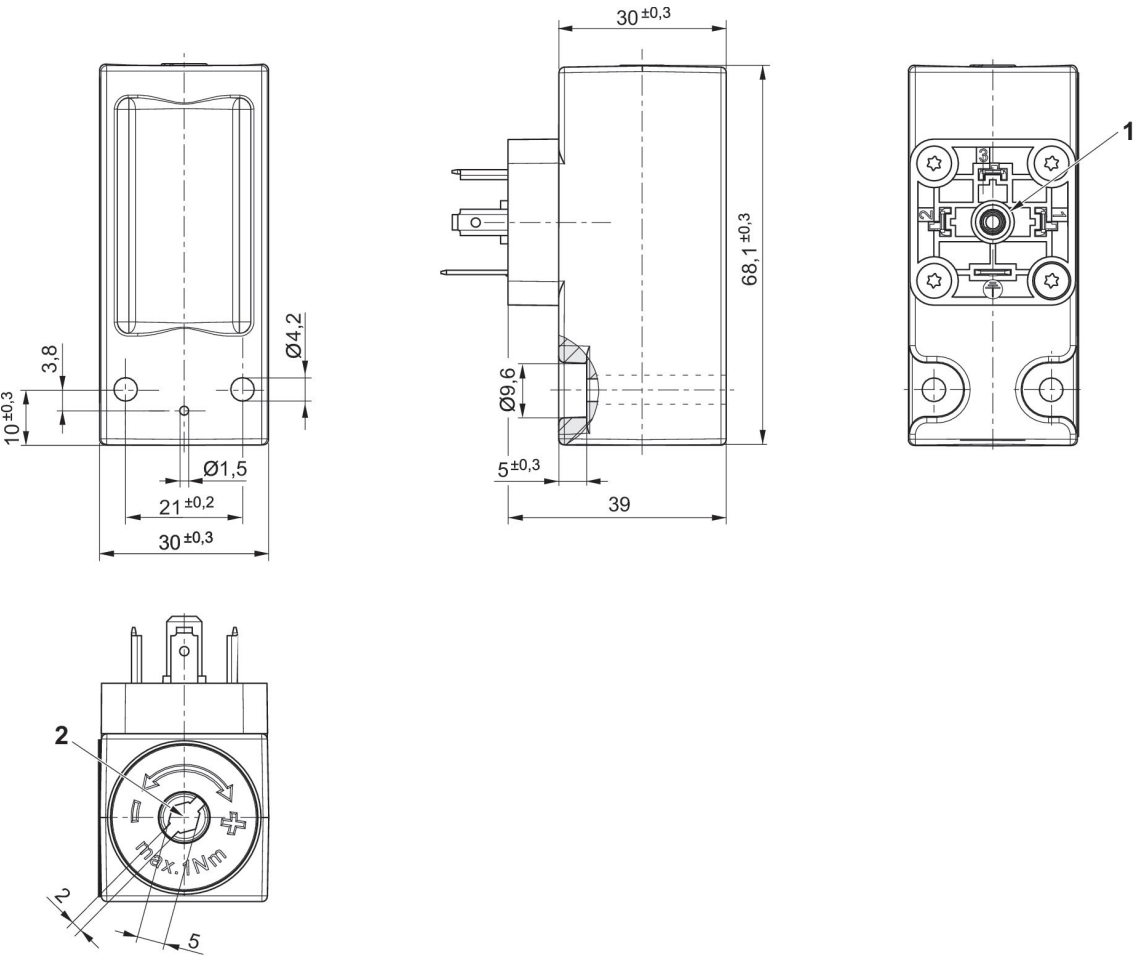
Pressure Switches, Series PM1, CNOMO, form A, without valve plug connector

Electrical connection 2, thread size: EN 175301-803, form A
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Hysteresis	Mounting orientation	Part No.
CNOMO	0.2	16	80 bar	max. switch- ing pressure difference	Any	R412010721

Dimensions in mm



- 1) Mounting screw
2) Adjustment screw, self-holding

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	5	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C

- 1) AC
2) DC

Max. permissible continuous current I max. [A] with inductive load

U [V]	30-250	30 / 48 / 60 / 125
I [A] 1) 3)	3	-
I [A] 2) 4)	-	2 / 0,55 / 0,4 / 0,15

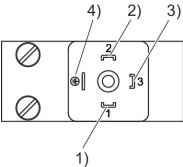
reference cycle: 30/min., reference temperature: +30 °C

- 1) AC

- 2) DC
- 3) $\cos \approx 0,7^\circ$
- 4) $L/R \approx 10\text{ ms}$

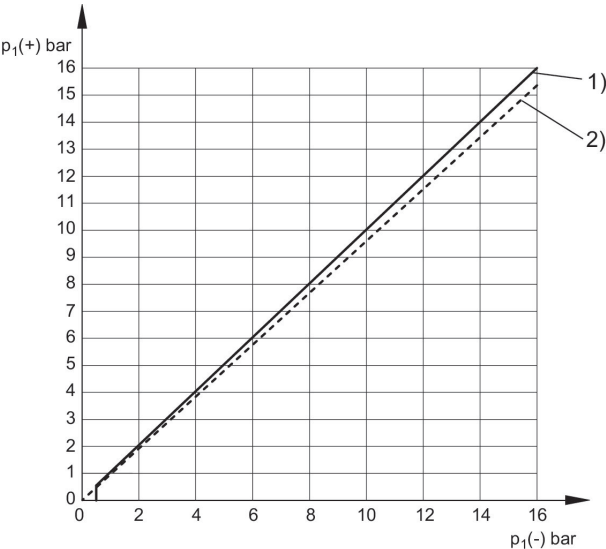
R412010721

PIN assignment for valve plug connectors



Pin	Allocation
1	+UB
2	break contact
3	NO (make contact)
4	GND

Differential switching pressure characteristic curve (0,2 - 16 bar)



$p_1 (+)$ = upper switching pressure with increasing pressure
 $p_1 (-)$ = lower switching pressure with decreasing pressure
1) Rising
2) Falling

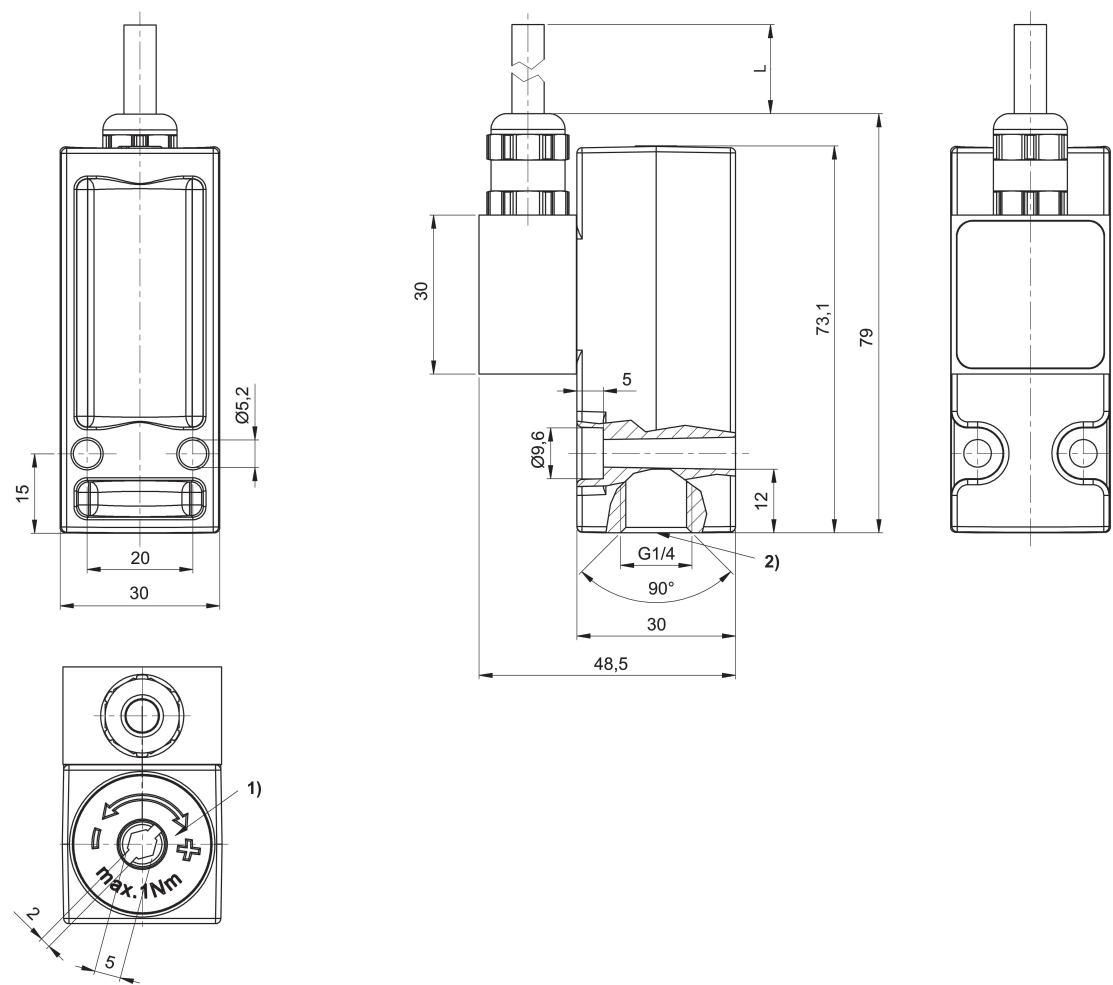
Pressure Switches, Series PM1, M12, ATEX

Compressed air connection type: Internal thread
Certificates: ATEX
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



	Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Mounting orientation	Cable length L [m]	Part No.
	G 1/4	-0.9	1	60 bar	Any	3	R412010730
	G 1/4	0.2	16	60 bar	Any	3	R412010731
	G 1/4	-0.9	1	60 bar	Any	7	R412024680
	G 1/4	0.2	16	60 bar	Any	7	R412024681

Dimensions in mm



- 1) Adjustment screw, self-holding
2) Tightening torque MA = 12 + 1 Nm

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	3	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC

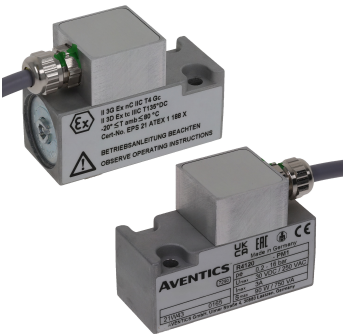
Max. permissible continuous current I max. [A] with inductive load

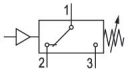
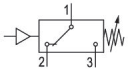
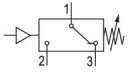
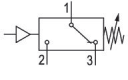
U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C
1) AC
2) DC
3) $\cos \approx 0,7^\circ$
4) $L/R \approx 10 \text{ ms}$

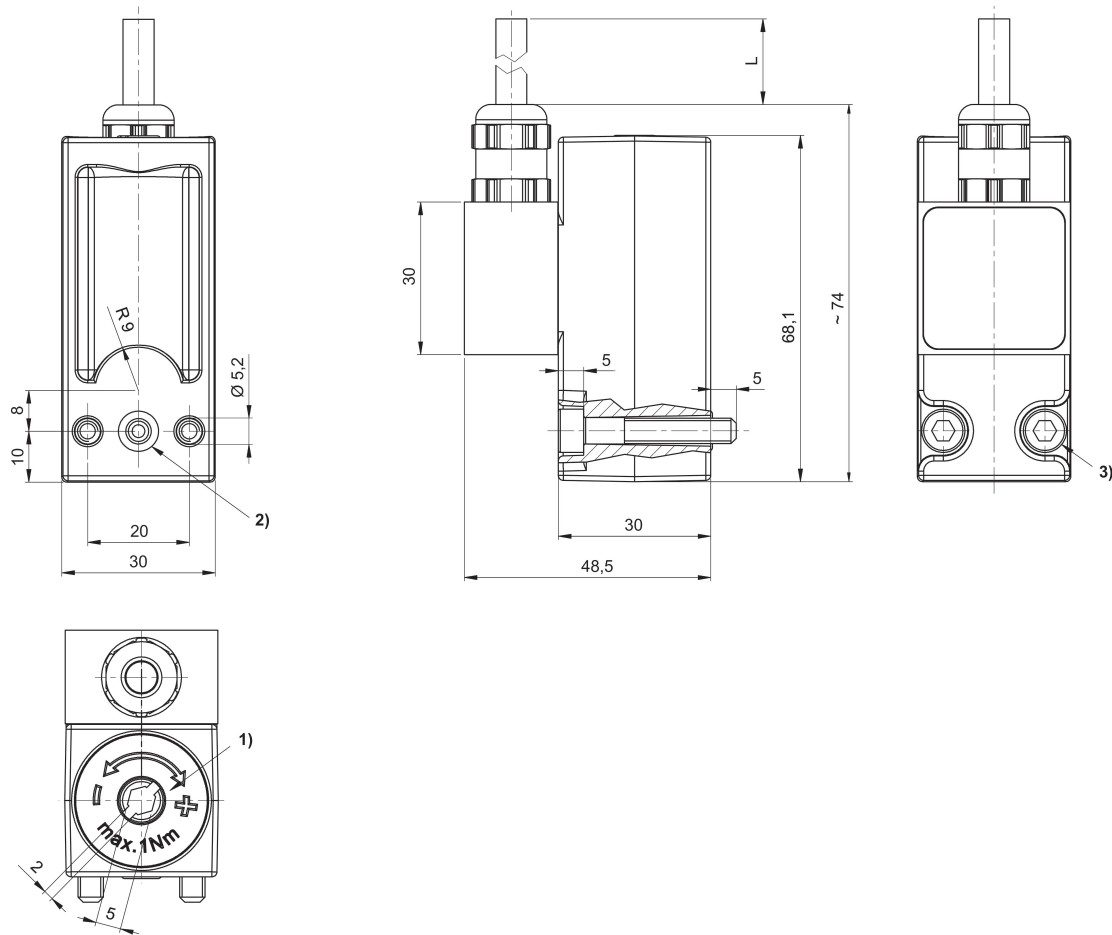
Pressure Switches, Series PM1, flange, M12, ATEX

Compressed air connection type: Flange with O-ring
Certificates: ATEX
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C



	Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Protection against over- pressure	Mounting orientation	Cable length L [m]	Part No.
	Ø 5x1,5	0.2	16	60 bar	Any	3	R412010732
	Ø 5x1,5	2	16	60 bar	Any	7	R412024682
	Ø 5x1,5	-0.9	1	60 bar	Any	3	R412024760
	Ø 5x1,5	-0.9	1	60 bar	Any	7	R412024761

Dimensions in mm



- 1) Adjustment screw, self-holding
2) O-ring Ø5x1,5 (included)
3) cylinder screw M5x30 (included in scope of delivery)

Max. permissible continuous current I max. [A] with ohmic load

U [V]	I [A] 1)	I [A] 2)
30-250	3	-
30 / 48 / 60 / 125	-	3 / 1,2 / 0,8 / 0,4

reference cycle: 30/min., reference temperature: +30 °C

- 1) AC
2) DC

Max. permissible continuous current I max. [A] with inductive load

U [V]	I [A] 1) 3)	I [A] 2) 4)
30-250	3	-
30 / 48 / 60 / 125	-	2 / 0,55 / 0,4 / 0,05

reference cycle: 30/min., reference temperature: +30 °C

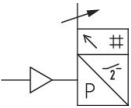
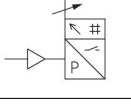
- 1) AC
- 2) DC
- 3) $\cos \approx 0,7^\circ$
- 4) $L/R \approx 10 \text{ ms}$

Pressure sensor, Series PE5, push-in fitting

Electrical connection 2, thread size: M12x1
Certificates: CE declaration of conformity cULus RoHS Conforms with REACH Free of substances that impair surface wetting in the coating process
Electrical connection 2, number of poles: 4-pin
Min. ambient temperature: 0 °C
Max. ambient temperature: 60 °C

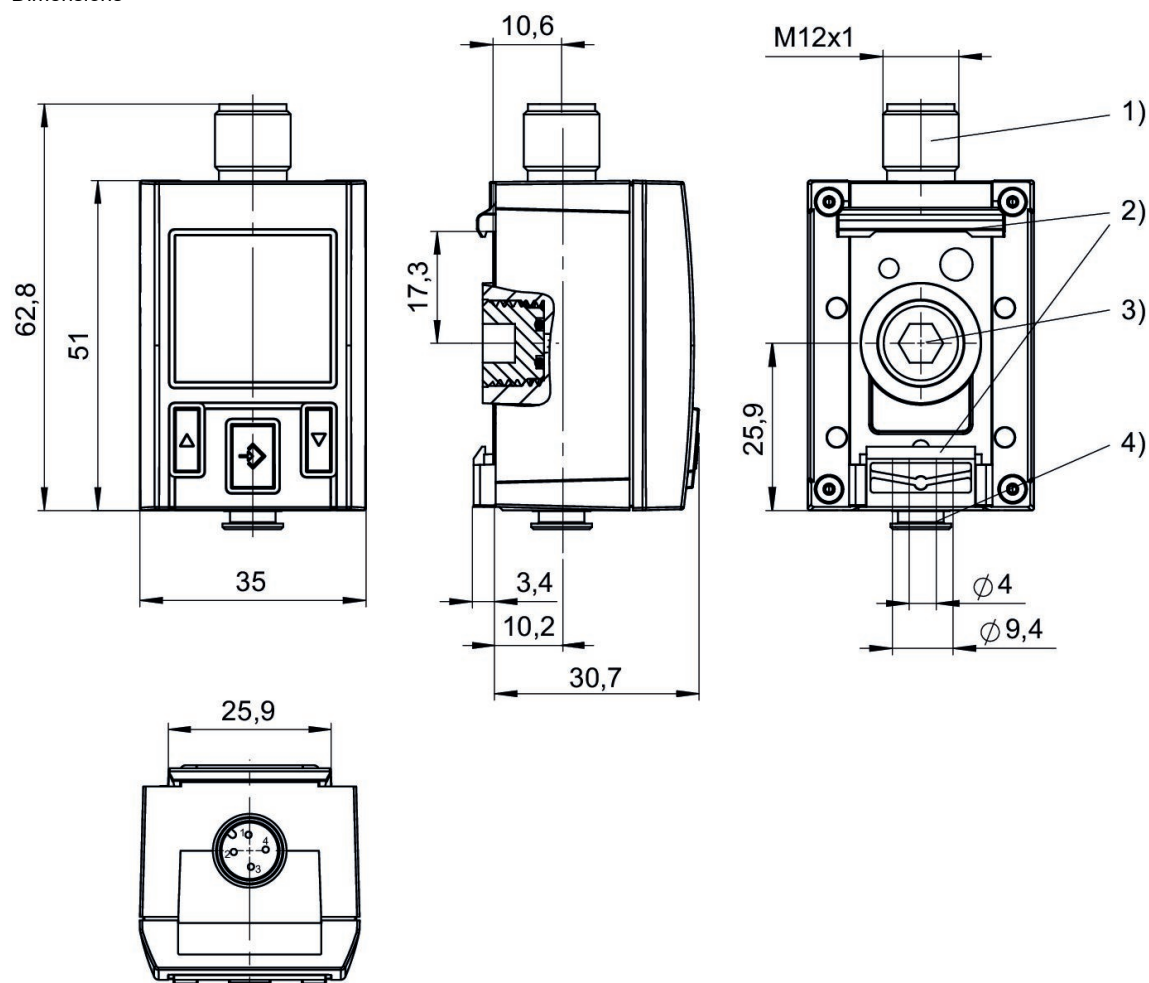


	Thread connection	Operating pressure min [bar]	Operating pressure max [bar]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Protection against overpressure	Output signal digital	Part No.
	G 1/4	-1	0	17	30	5 bar	2 x PNP, NPN, Push-pull	R412010761
	G 1/4	-1	0	17	30	5 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010769
	G 1/4	-1	0	17	30	5 bar	PNP, NPN, push-pull, 1x IO-Link	R412010775
	G 1/4	-1	1	17	30	5 bar	2 x PNP, NPN, Push-pull	R412010763
	G 1/4	0	6	17	30	15 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010771
	G 1/4	0	6	17	30	15 bar	2 x PNP, NPN, Push-pull	R412010765
	G 1/4	0	6	17	30	15 bar	PNP, NPN, push-pull, 1x IO-Link	R412010777
	G 1/4	0	10	17	30	15 bar	PNP, NPN, Push-pull, 0 - 10 V DC, 4 ... 20 mA	R412010773
	G 1/4	0	10	17	30	15 bar	2 x PNP, NPN, Push-pull	R412010767
	G 1/4	0	10	17	30	15 bar	PNP, NPN, push-pull, 1x IO-Link	R412010779

	Thread con- nection	Operat- ing pres- sure min [bar]	Operat- ing pres- sure max [bar]	Min. oper- ating volt- age DC [V DC]	Max. oper- ating volt- age DC [V DC]	Protection against over- pressure	Output sig- nal digital	Part No.
	G 1/4	0	12	17	30	16 bar	2 x PNP, NPN, Push- pull	R412010782
	G 1/4	0	12	17	30	16 bar	PNP, NPN, push-pull, 1x IO-Link	R412010806

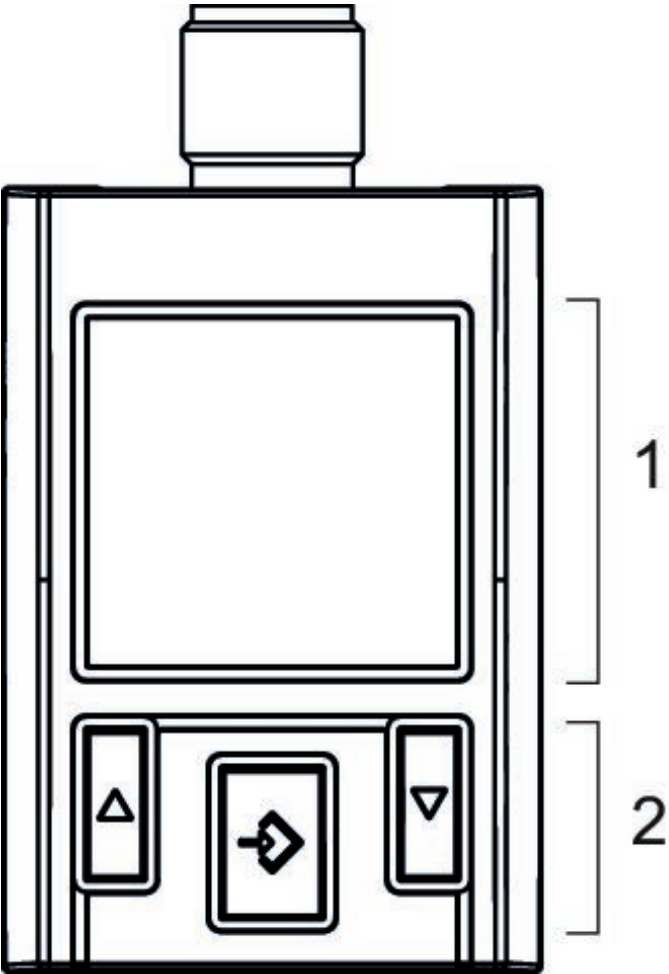
Hysteresis	Part No.
adjustable	R412010761
adjustable	R412010769
adjustable	R412010775
adjustable	R412010763
adjustable	R412010771
adjustable	R412010765
adjustable	R412010777
adjustable	R412010773
adjustable	R412010767
adjustable	R412010779
adjustable	R412010782
adjustable	R412010806

Dimensions



- 1) M12x1 electrical connection
- 2) Mounting for hat rail and wall mounting
- 3) Alternative pressure connection (G1/4) closed with plug
- 4) Pressure connection, tubing Ø 4 mm

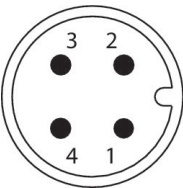
Display and operation area



- 1) LCD display
- 2) Control panel with 3 buttons

R412010761, R412010769, R412010775, R412010763, R412010771, R412010765, R412010777, R412010773, R412010767, R412010779, R412010782, R412010806

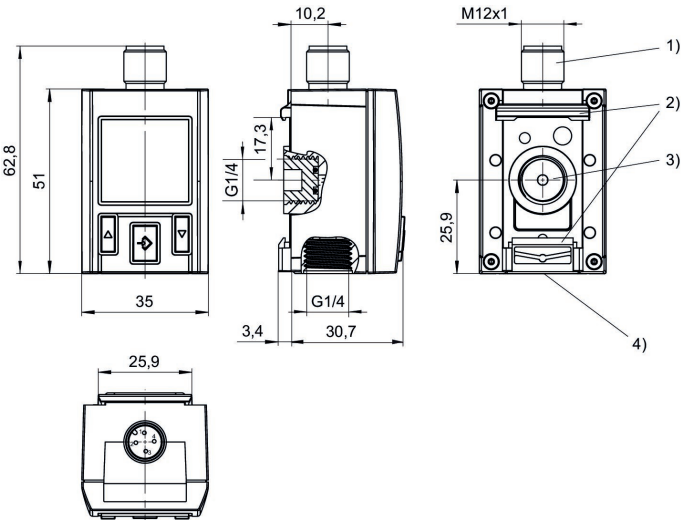
Pin assignments



Pin	Allocation
1	operational voltage + UB
2	switch out-put Out2, analog: A or V, digital: PNP, NPN, push-pull
3	0 V
4	switch output Out1, digital: PNP, NPN, push-pull

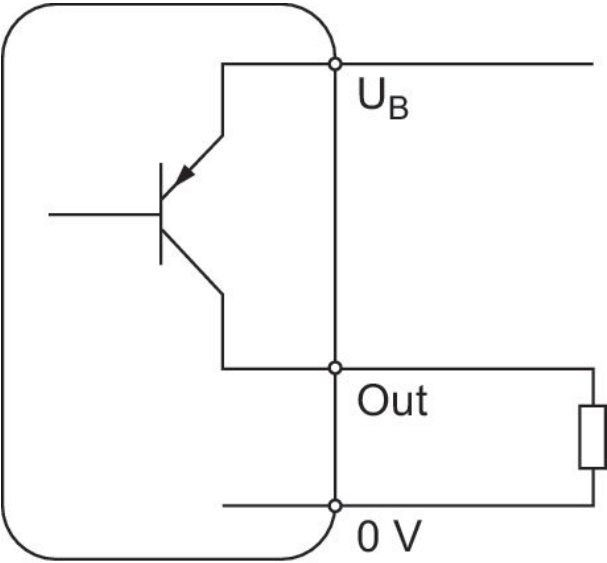
R412010761, R412010769, R412010775, R412010763, R412010771, R412010765, R412010777, R412010773, R412010767, R412010779, R412010782, R412010806

Dimensions

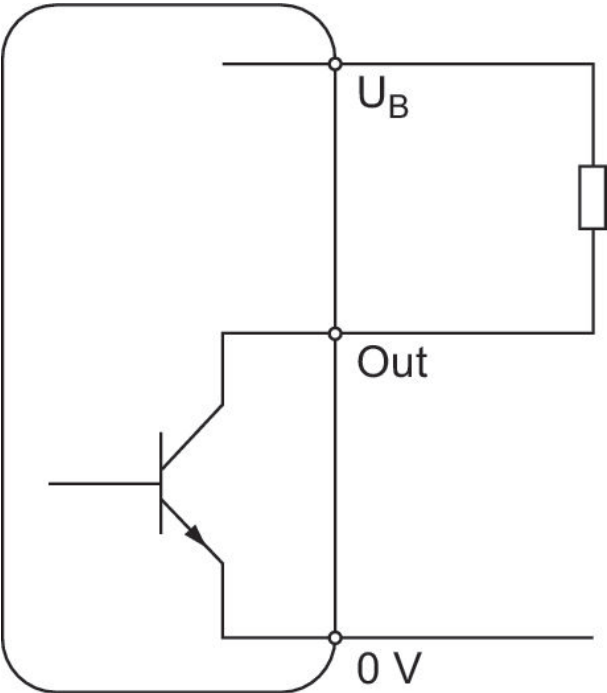


- 1) M12x1 electrical connection
- 2) Mounting for hat rail and wall mounting
- 3) Alternative pressure connection (G1/4) closed with plug
- 4) Pressure connection G1/4

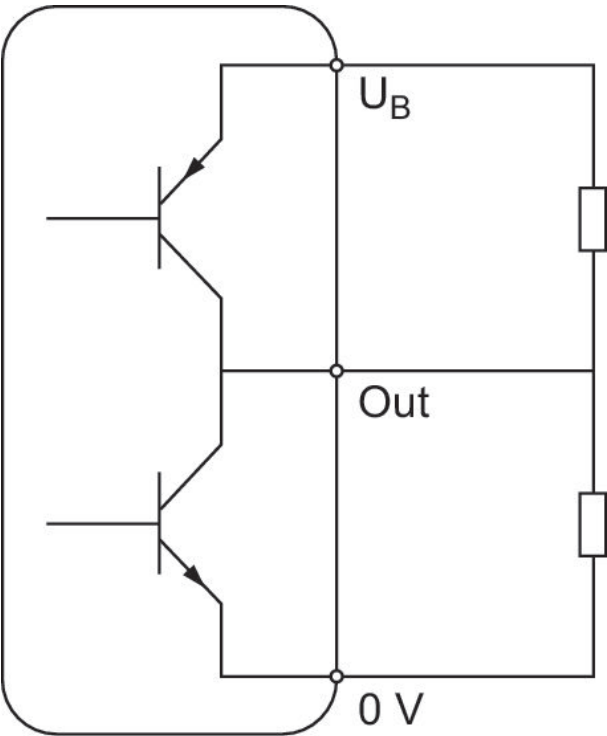
Operating mode



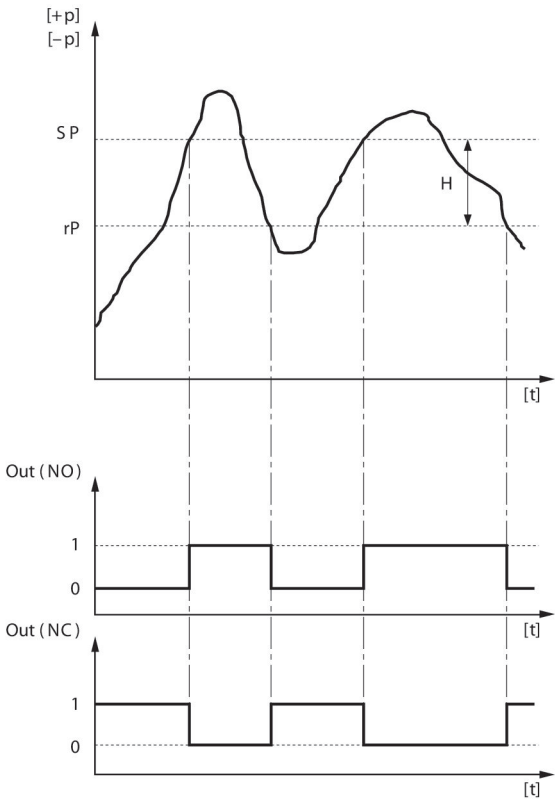
Operating mode



Operating mode

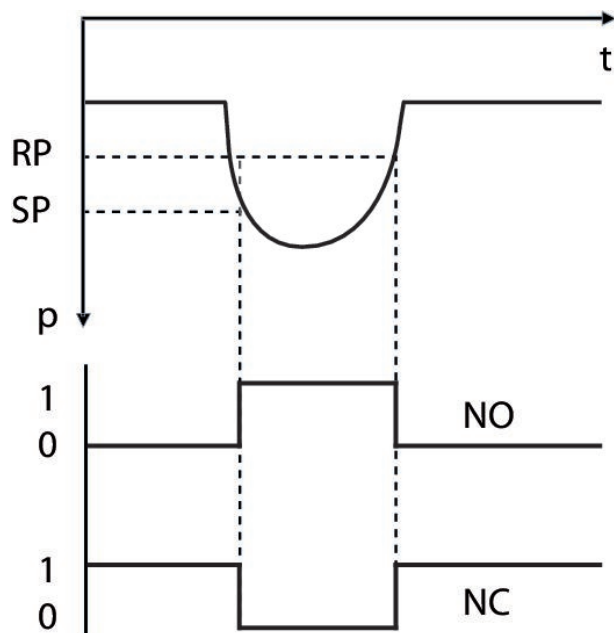


Hysteresis function: switching and resetting behavior dependent on pressure p and time t

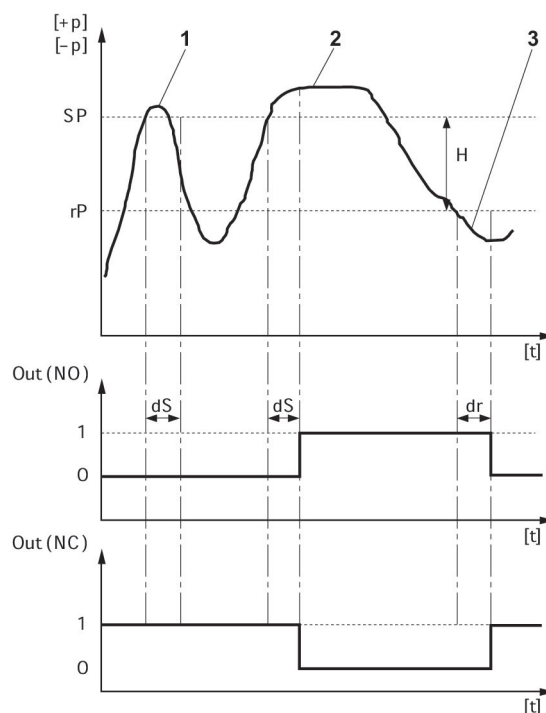


H: Hysteresis
SP = switching point RP = resetting point
Out (NC): switch output, break contact Out (NO): switch output, make contact

Hysteresis function: switching and resetting behavior dependent on pressure p and time t



Delayed hysteresis function: switching and resetting behavior depending on pressure p and time t



H: Hysteresis

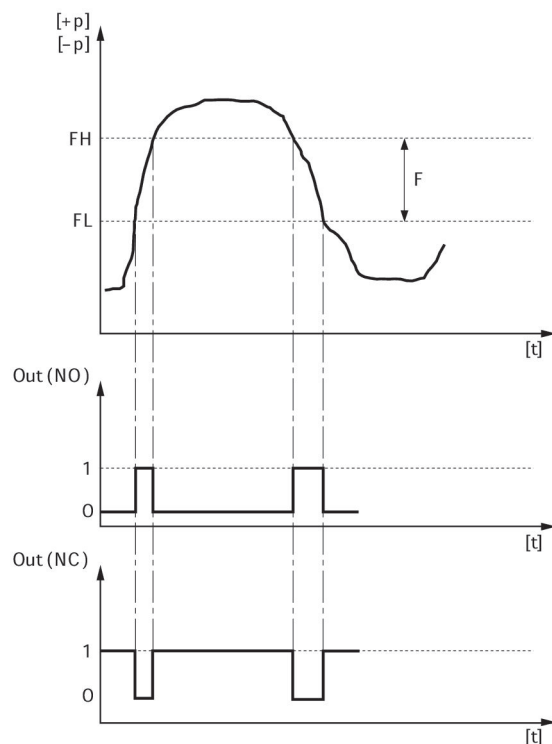
SP = switching point RP = resetting point

Out (NC): switch output, break contact Out (NO): switch output, make contact

dS: switching delay dR = reset delay

1) period of pressure over the switching point $< dS$: pressure sensor does not switch 2)

Period of pressure over the switching point $> dS$: pressure sensor switches 3) Period of pressure under the resetting point $> dR$: pressure sensor switches

**Window function: switching and resetting behavior
depending on pressure p and time t**

FH: pressure band, upper value

FL: pressure band, lower value

Out (NC): switch output, break contact Out (NO): switch output, make contact

Sensors, Series ST6, plug M12x1

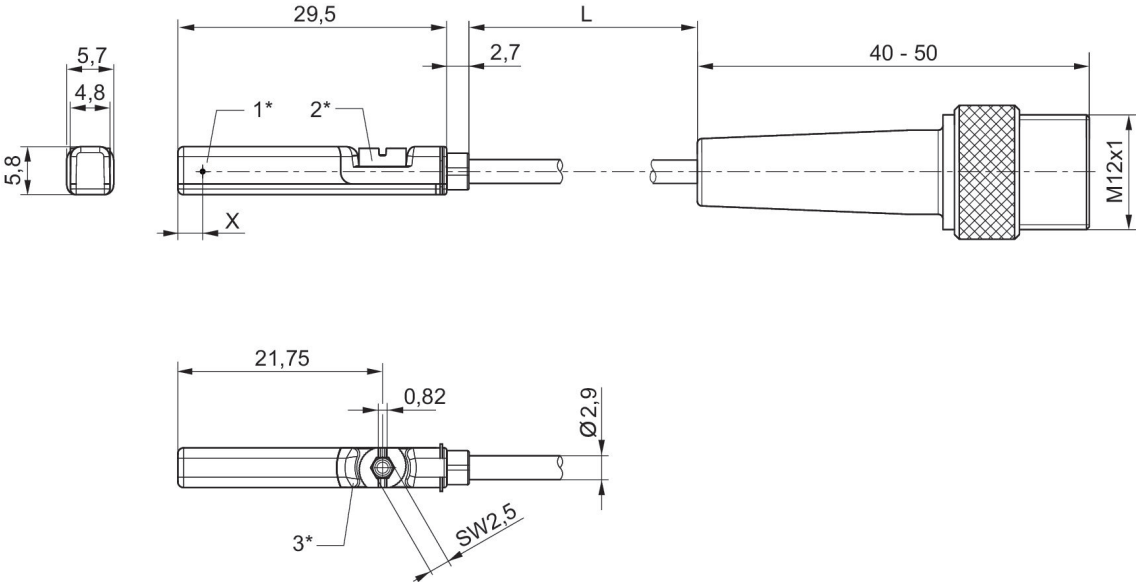
For series: PRA PRE CCI KPZ SSI GPC CVI
Electrical connection 2, thread size: M12
Certificates: CE declaration of conformity cULus RoHS UL (Underwriters Laboratories)
Electrical connection 2, number of poles: 3-pin
Min. ambient temperature: -30 °C
Max. ambient temperature: 80 °C



	Switch descr.	Cable sheath	Electrical interface 2	Number of poles	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Part No.
	Reed	Polyurethane	M12x1	3-pin	0.3	0.5	10	R412022876

Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Max. operational voltage AC [V AC]	Version	Cable length L [m]	Part No.
30	10	30	Protected against polarity reversal	0.3	R412022876

Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = PNP: 11,6 mm, reed: 8,3 mm

Sensors, Series ST6, plug M8x1, with knurled screw

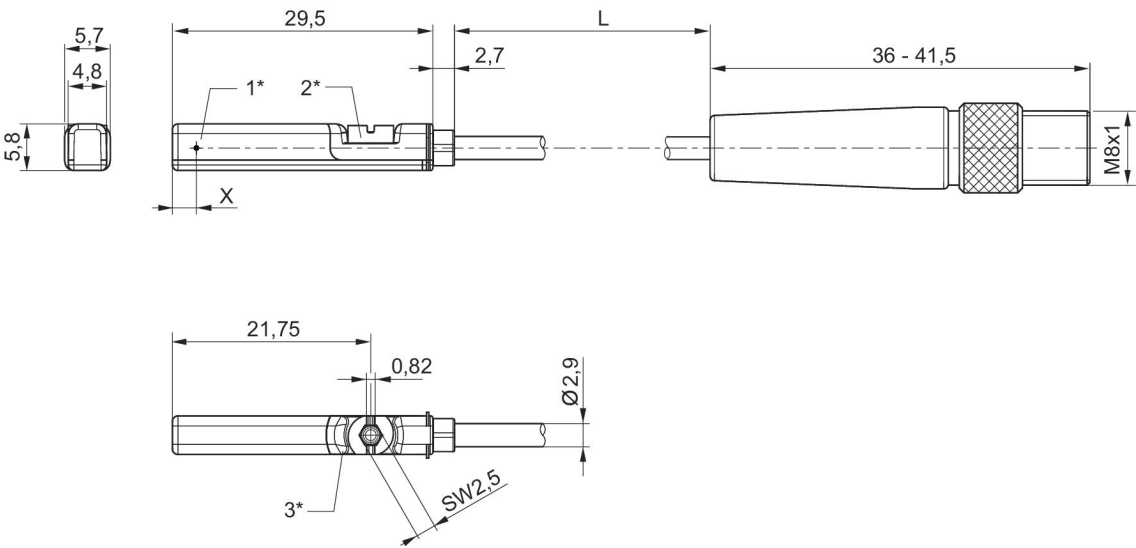
For series: PRA PRE CCI KPZ SSI GPC CVI
Certificates: CE declaration of conformity cULus RoHS UL (Underwriters Laboratories)
Electrical connection 2, number of poles: 3-pin
Min. ambient temperature: -30 °C
Max. ambient temperature: 80 °C



	Switch descr.	Cable sheath	Electrical interface 2	Number of poles	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Part No.
	Reed	Polyurethane	M8x1	3-pin	0.3	0.5	10	R412022873
	Reed	Polyvinyl chloride	M8x1	3-pin	0.3	0.5	10	R412022875
	Reed	Polyurethane	M8x1	3-pin	0.3	0.5	10	R412022874

Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Max. operational voltage AC [V AC]	Version	Cable length L [m]	Part No.
30	10	30	Protected against polarity reversal	0.3	R412022873
30	10	30	Protected against polarity reversal	0.3	R412022875
30	10	30	Protected against polarity reversal	0.5	R412022874

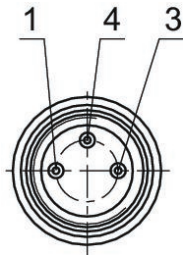
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = electronic: 11,6 mm, Reed: 8,3 mm

R412022873, R412022875, R412022874

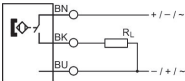
Pin assignment M8x1 (3-pin)



Pin	Allocation
1	(+)
3	(-)
4	(OUT)

Sensors, Series ST6, open cable ends, 3-pin, Reed

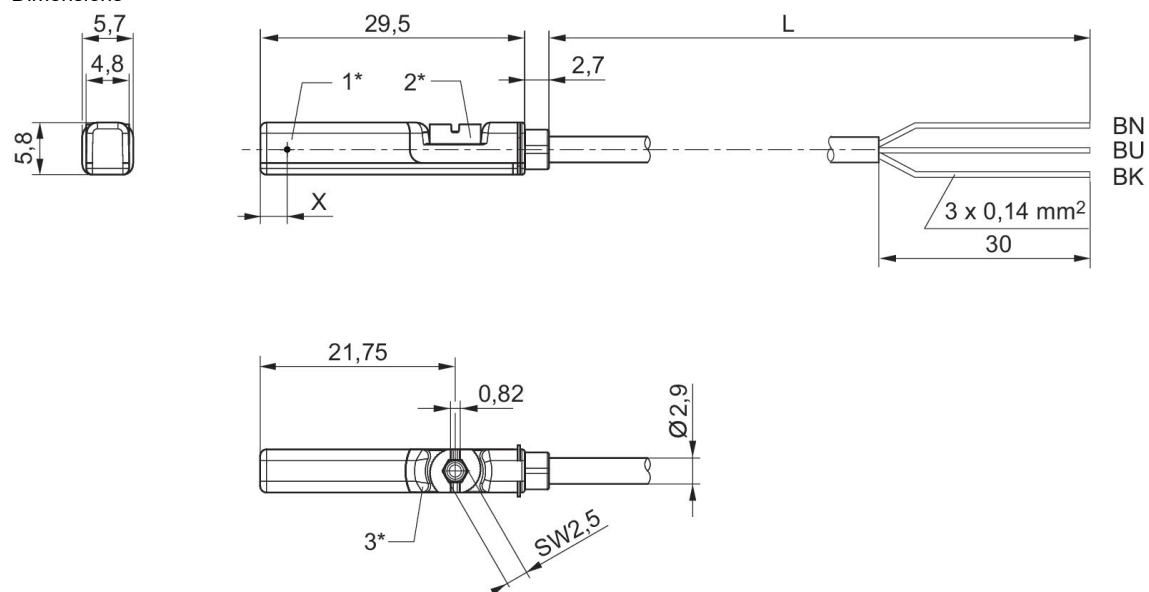
For series: PRA PRE CCI KPZ SSI GPC CVI
Certificates: CE declaration of conformity cULus RoHS UL (Underwriters Laboratories)
Min. ambient temperature: -30 °C
Max. ambient temperature: 80 °C



Switch descr.	Cable sheath	Number of poles	Max. DC switching current [A]	Max. AC switching current [A]	Min. operating voltage DC [V DC]	Max. operating voltage DC [V DC]	Min. operating voltage AC [V AC]	Part No.
Reed	Polyurethane	3-pin	0.3	0.5	10	30	10	R412022869
Reed	Polyurethane	3-pin	0.3	0.5	10	30	10	R412022870
Reed	Polyurethane	3-pin	0.3	0.5	10	30	10	R412022871

Max. operational voltage AC [V AC]	Version	Cable length L [m]	Part No.
30	Protected against polarity reversal	3	R412022869
30	Protected against polarity reversal	5	R412022870
30	Protected against polarity reversal	10	R412022871

Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN = brown, BK = black, BU = blue
X = electronic: 11.6 mm

Silencers, series SI1, Sintered bronze

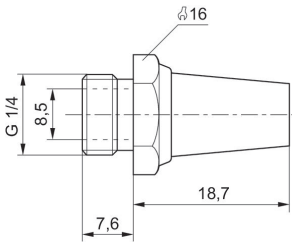
Compressed air connection type: External thread
Silencer material: Sintered bronze
Min. ambient temperature: -25 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar



G	Sound pressure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/4		5950	10	0.013	R412004817
G 1/4	79	3390	10	0.02	1827000001

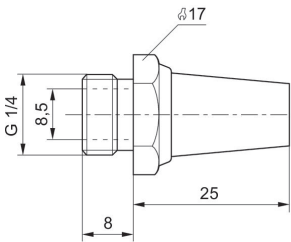
R412004817

Dimensions in mm



1827000001

Dimensions in mm



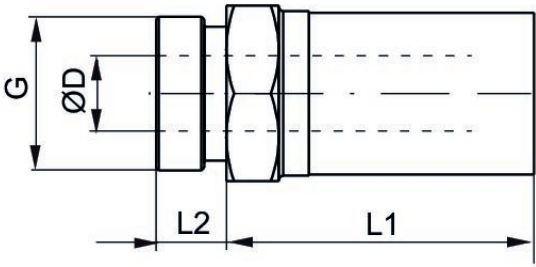
Silencers, series SI1, Stainless Steel

Compressed air connection type: External thread
Silencer material: Stainless Steel
Min. ambient temperature: -20 °C
Max. ambient temperature: 150 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar



G	Sound pres- sure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/4	93	1852	1	0.021	R412010082

Dimensions



Part No.	Port G	SW	Ø D	L1	L2
R412010090	M5	9	3.1	16.5	5
R412010081	G 1/8	12	6.6	21.5	7
R412010082	G 1/4	15	8.6	24	9
R412010083	G 3/8	19	12.1	31	9
R412010084	G 1/2	23	15.3	38.5	9.5
R412010085	G 3/4	30	19.3	47.5	11
R412010086	G 1	36	25.5	56	15

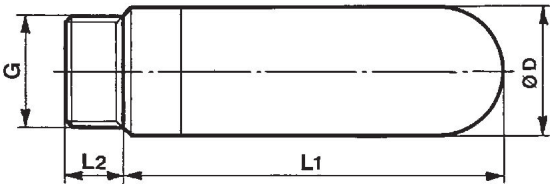
Silencers, series SI1, Polyethylene

Compressed air connection type: External thread
Silencer material: Polyethylene
Min. ambient temperature: -25 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 10 bar



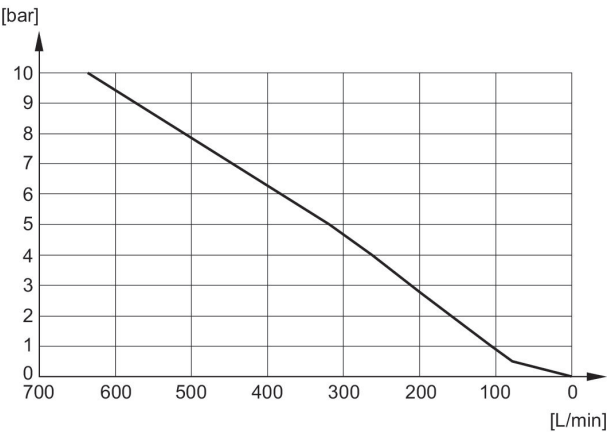
G	Sound pres- sure level [dB]	Nominal flow [l/min]	Delivery unit [piece]	Weight [kg]	Part No.
G 1/4	80	3447	5	0.003	1827000020

Dimensions

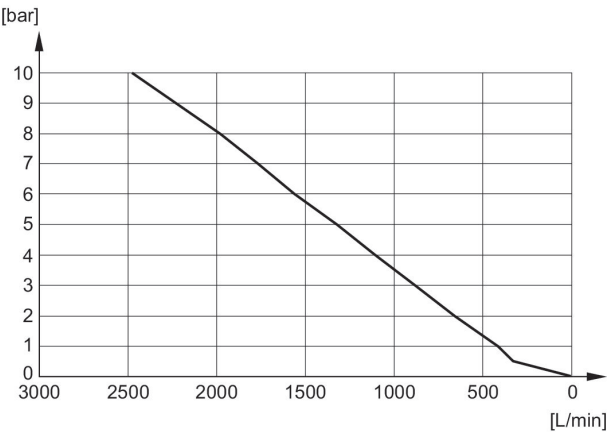


Part No.	Port G	Ø D	L1	L2
1827000018	M5	6.5	17.5	4
1827000019	G 1/8	12.5	28.5	5.5
1827000020	G 1/4	15.5	34.5	8
1827000021	G 3/8	18.5	56	11.5
1827000022	G 1/2	23.3	66.5	11
1827000023	G 3/4	38.5	115.5	16
1827000024	G 1	49	140	21

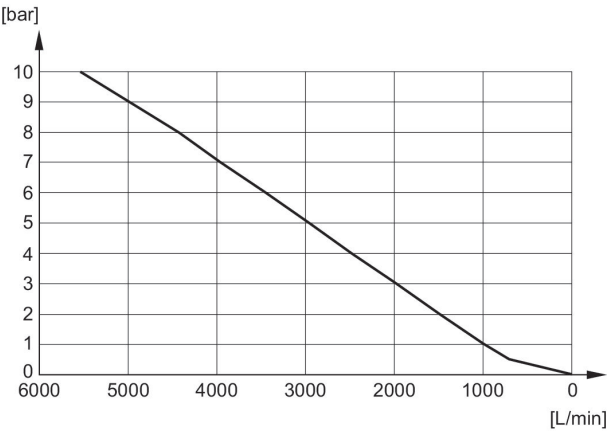
Flow diagram R412024742, R412024749, R412010090



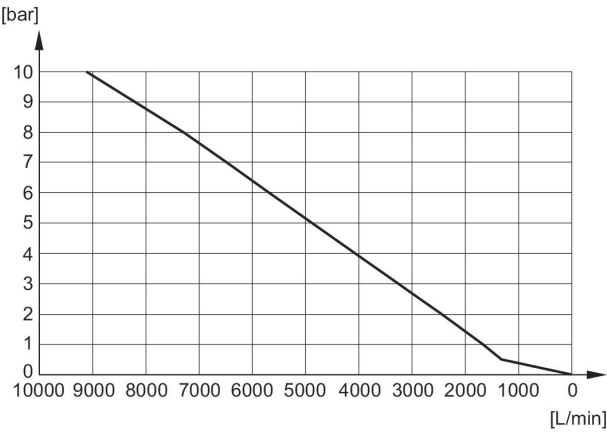
Flow diagram R412024742, R412024749, R412010090



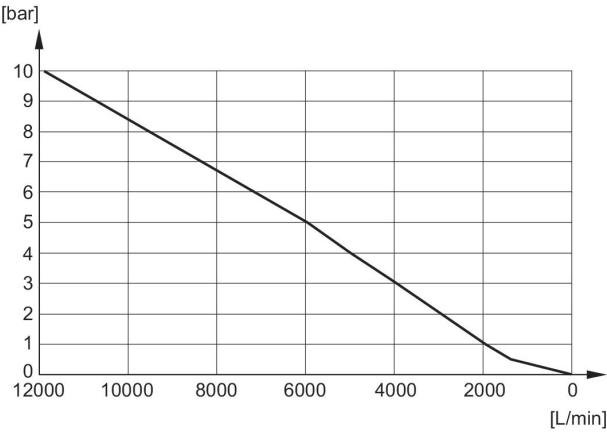
Flow diagram R412024742, R412024749, R412010090



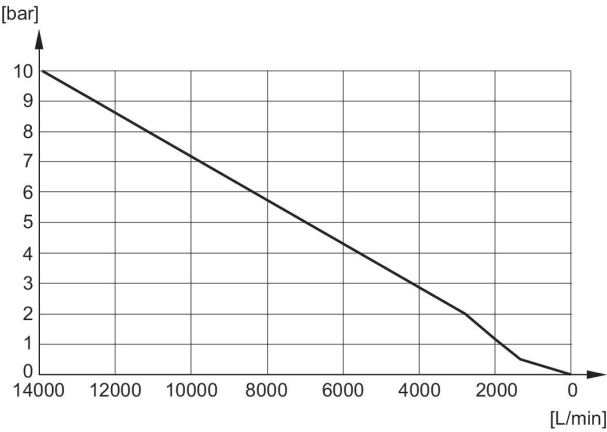
Flow diagram R412024742, R412024749, R412010090



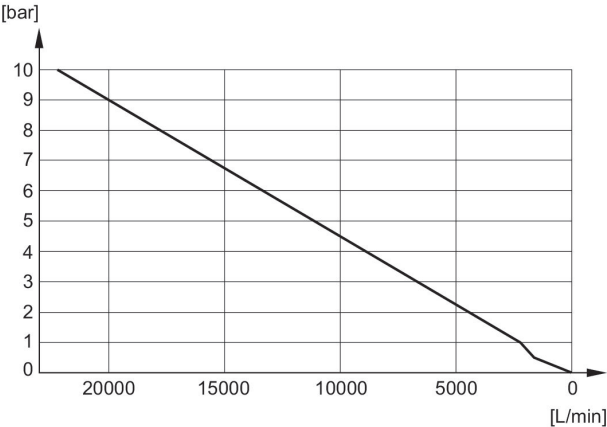
Flow diagram R412024742, R412024749, R412010090



Flow diagram R412024742, R412024749, R412010090



Flow diagram R412024742, R412024749, R412010090



Series QR2-S-RPN standard

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -0.95 bar
Max. working pressure: 16 bar



G	Ø D	Delivery unit [piece]	Material	Fig.	Part No.
G 1/8	Ø 4	25	Brass	Fig. 1	1823373041
G 1/8	Ø 5	10	Brass	Fig. 1	1823373042
G 1/8	Ø 6	25	Brass	Fig. 1	1823373043
G 1/8	Ø 8	25	Brass	Fig. 1	1823373044
G 1/4	Ø 4	25	Brass	Fig. 1	1823373045
G 1/4	Ø 5	10	Brass	Fig. 1	1823373046
G 1/4	Ø 6	25	Brass	Fig. 1	1823373047
G 1/4	Ø 8	10	Brass	Fig. 1	1823373048
G 1/4	Ø 10	10	Brass	Fig. 1	1823373049
G 1/4	Ø 12	10	Brass	Fig. 1	1823391809
G 1/4	Ø 12	10	Brass	Fig. 2	R412004708

Fig. 1

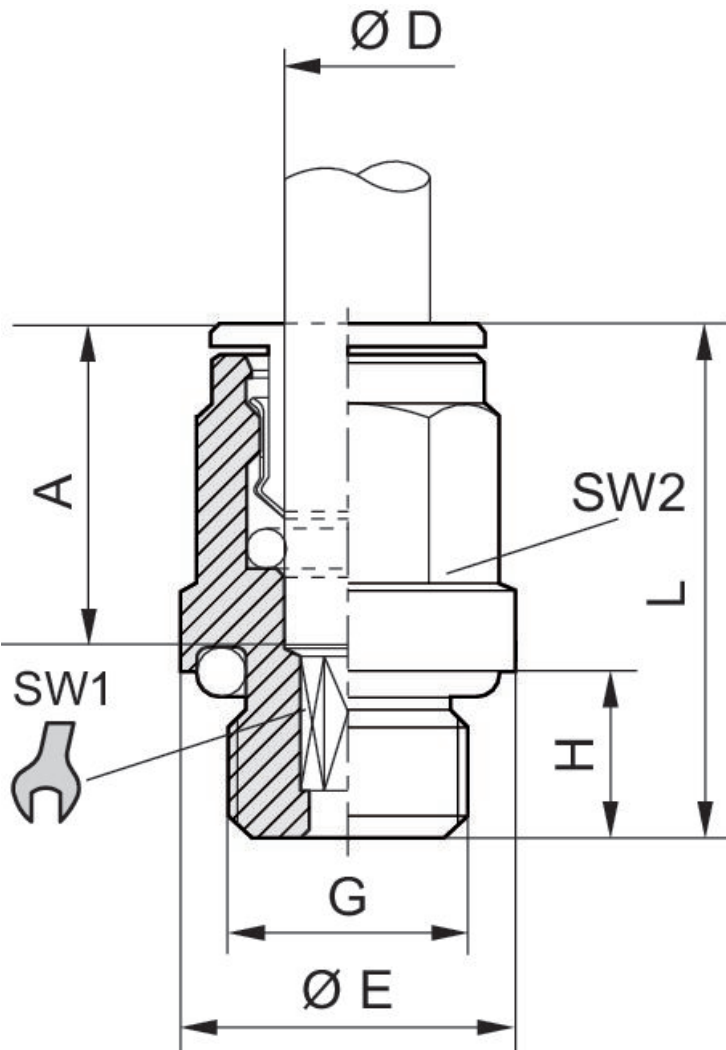
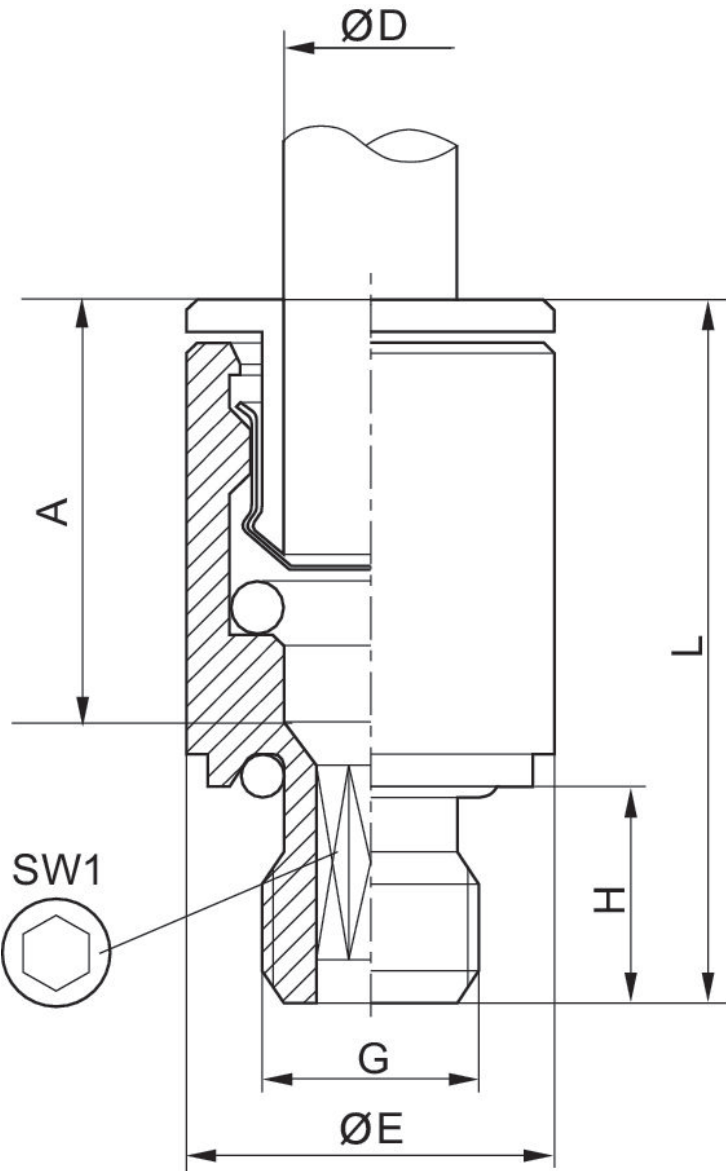


Fig. 2



Part No.	Port D	Port G	Ø E	H	L	A Insertion depth	SW 1	SW 2	Fig.
1823373038	Ø 4	M5	9	4	20.5	15	2.5	–	
1823373039	Ø 5	M5	9.5	4	22	16	2.5	–	
1823373040	Ø 6	M5	10.5	4	22	16	2.5	–	
1823373100	Ø 4	M7	10.8	6	22	15	2.5	9	
1823373088	Ø 6	M7	10.5	6	24	16	3.5	–	
1823373041	Ø 4	G 1/8	13.5	6	20	15	2.5	9	
1823373042	Ø 5	G 1/8	13.5	6	22	16	4	10	
1823373043	Ø 6	G 1/8	13.5	6	24	16	4	11	
1823373044	Ø 8	G 1/8	13	6	26.5	18	5	13	
1823373045	Ø 4	G 1/4	17	8	21	15	2.5	9	
1823373046	Ø 5	G 1/4	17	8	22	16	4	10	
1823373047	Ø 6	G 1/4	17	6.5	22.5	16	4	11	
1823373048	Ø 8	G 1/4	17	8	25	18	6	13	
1823373049	Ø 10	G 1/4	16	8	29.5	19	7	16	
1823391809	Ø 12	G 1/4	16	6.5	30	20	7	18	
R412004708	Ø 12	G 1/4	17	8.3	31		7	–	
1823373050	Ø 8	G 3/8	20	9	25	18	6	13	
1823373051	Ø 10	G 3/8	21	9	29.5	19	8	16	
1823373052	Ø 12	G 3/8	21	9	31	20	10	18	
1823373053	Ø 14	G 3/8	21	9	34	22	10	21	
1823373054	Ø 12	G 1/2	24	11	31	20	10	18	
1823373055	Ø 14	G 1/2	24	11	34	22	12	21	
R412007955	Ø16	G 1/2	24	11	37		12	24	

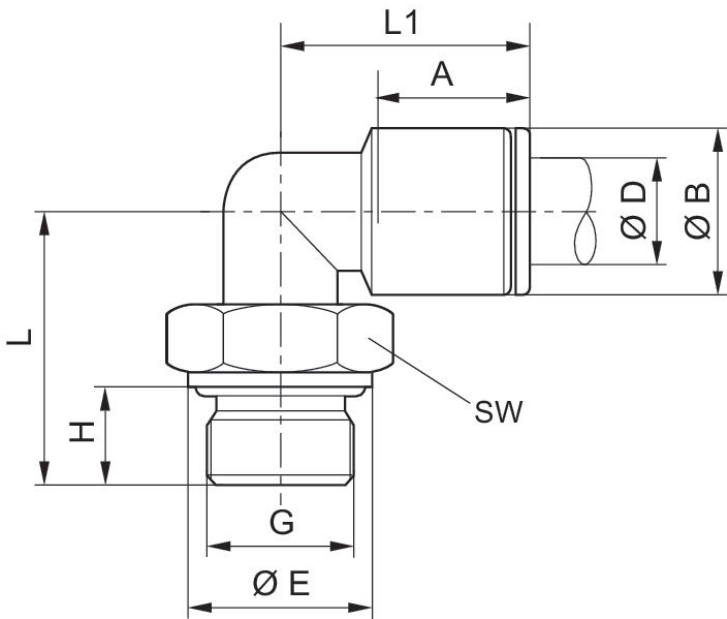
Series QR2-S-RVT standard

Compressed air connection type: External thread
Compressed air connection type 2: Push-in fitting
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: -0.95 bar
Max. working pressure: 16 bar



G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/8	Ø 4	10	Brass	1823391710
G 1/8	Ø 6	10	Brass	1823391711
G 1/8	Ø 8	10	Brass	1823391712
G 1/8	Ø 10	5	Brass	R412007687
G 1/4	Ø 4	10	Brass	1823391713
G 1/4	Ø 6	10	Brass	1823391714
G 1/4	Ø 8	10	Brass	1823391715
G 1/4	Ø 10	5	Brass	1823391718
G 1/4	Ø 12	5	Brass	1823391843

Dimensions



Part No.	Port D	Port G	ØB	ØE	H	L	L1	A Insertion depth	SW
1823391709	Ø 4	M5	9	8	4	14.5	19	14	9
1823391889	Ø 6	M5	11	8	4	14.5	21	16	9
1823391885	Ø 4	M7	9	10	6	16.5	18	14	9
1823391886	Ø 6	M7	11	10	6	16.5	19.5	16	9
1823391710	Ø 4	G 1/8	9	13	6	20	19	15	13
1823391711	Ø 6	G 1/8	11	13	6	20	21	16	13
1823391712	Ø 8	G 1/8	13	13	6	20	24	18	13
R412007687	Ø 10	G 1/8	15	13	6	24	27	19	13
1823391713	Ø 4	G 1/4	9	16	8	24	19	15	13
1823391714	Ø 6	G 1/4	11	16	8	24	21	16	13
1823391715	Ø 8	G 1/4	13	16	8	24	24	18	13
1823391718	Ø 10	G 1/4	15	16	8	24	27	19	16
1823391843	Ø 12	G 1/4	17	16	8	30.5	29	20	16
1823391716	Ø 8	G 3/8	13	20	9	25.5	24	18	13
1823391717	Ø 10	G 3/8	15	20	9	28	27	19	16
1823391838	Ø 12	G 3/8	17	20	9	28.5	28	20	20
1823391839	Ø 14	G 3/8	20	20	9	28.5	31	22	20
R412010182	Ø16	G 3/8	23	20	9	33.5	33	23.5	20
R412007589	Ø 10	G 1/2	15	25	11	30	27	19	16
1823391840	Ø 12	G 1/2	17	25	11	33.5	28	20	20
1823391841	Ø 14	G 1/2	20	25	11	33.5	31	22	20
R412007956	Ø16	G 1/2	23	25	11	38	33	23.5	20

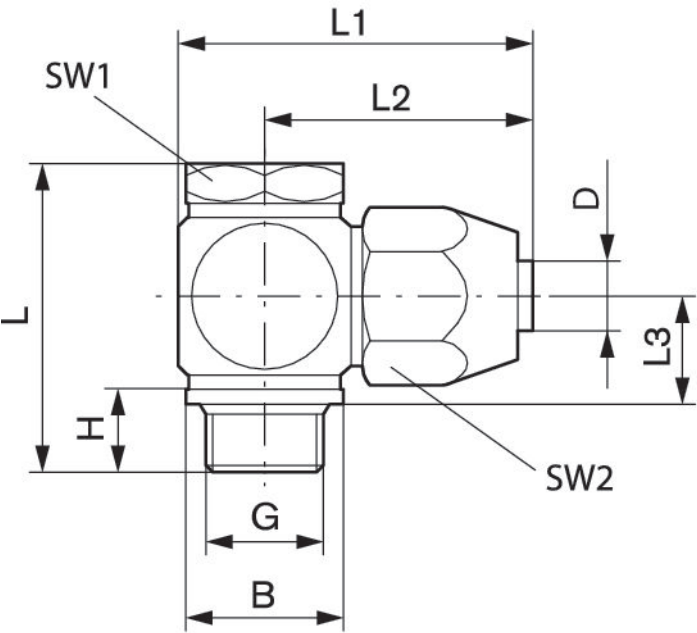
Series NU2

Compressed air connection type: External thread
Compressed air connection type 2: plug-in with tube nut
Min. ambient temperature: -10 °C
Max. ambient temperature: 60 °C
Min. working pressure: -0.95 bar
Max. working pressure: 10 bar



G	Ø D	Delivery unit [piece]	Material	Part No.
G 1/4	Ø 6	2	Aluminum	1823391294
G 1/4	Ø 8	2	Aluminum	1823391295
G 1/4	Ø 9	2	Aluminum	R412010658

Dimensions



for fabric-reinforced plastic tubing

Part No.	Port D	Port G	B	H	L	L1	L2	L3	SW1
1823391293	Ø 4	G 1/8	14	10	32.5	34	26.5	13.7	14
1823391294	Ø 6	G 1/4	18	12.5	39	39.5	30	14.5	17
1823391295	Ø 8	G 1/4	18	12.5	42	42	32.5	16	17
1823391296	Ø 8	G 3/8	21	12.5	43	47	35	15.5	22
R412010658	Ø 9	G 1/4	18.9	7.9	40	42	32.5	15.6	17
R412007838	Ø 13	G 1/2	22.9	14	49.5	55	40	18.5	27
R412007839	Ø 13	G 3/8	22.9	12.5	47	49	37	18.5	22
1823391807	Ø 18	G 3/4	33	18.5	66	69	51	25	32
1823391808	Ø 18	G 1	40	20.5	70	77	55	25	41

Part No.	SW2
1823391293	17
1823391294	19
1823391295	22
1823391296	22
R412010658	24
R412007838	30
R412007839	30
1823391807	41
1823391808	41

Connection D = inside diameter of the tubing to be used

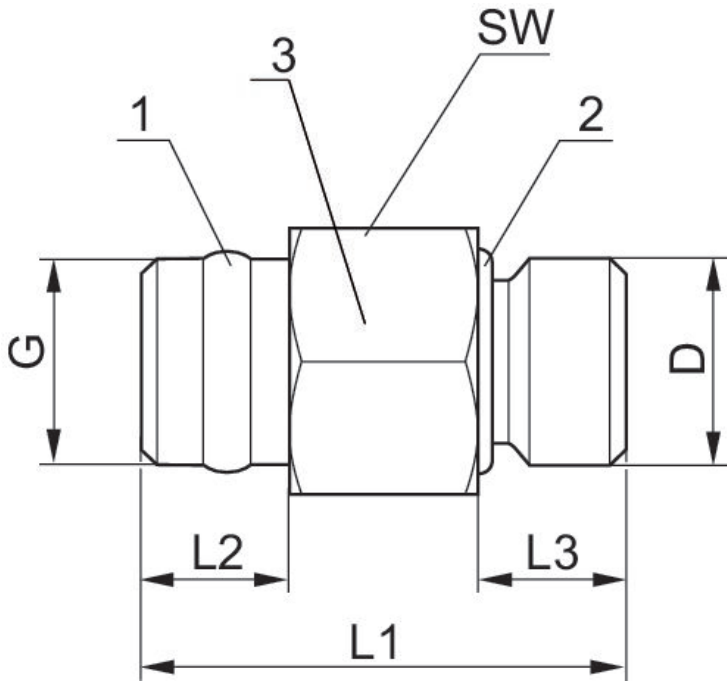
Double nipple, Series PE5

Compressed air connection type: External thread
Compressed air connection type 2: External thread



G	Ø D	Delivery unit [piece]	Weight [kg]	Part No.
G 1/4	G 1/8	2	0.04	R412010015
G 1/4	G 1/4	2	0.04	R412010016

Dimensions



- 1) sealing ring Polytetrafluorethylen
- 2) O-ring - acrylonitrile butadiene rubber
- 3) Housing - brass, nickel-plated

Part No.	Port G	Port D	L1	L2	L3	SW
R412010015	G 1/4	G 1/8	30	10	8.5	17
R412010016	G 1/4	G 1/4	30	10	8.5	17

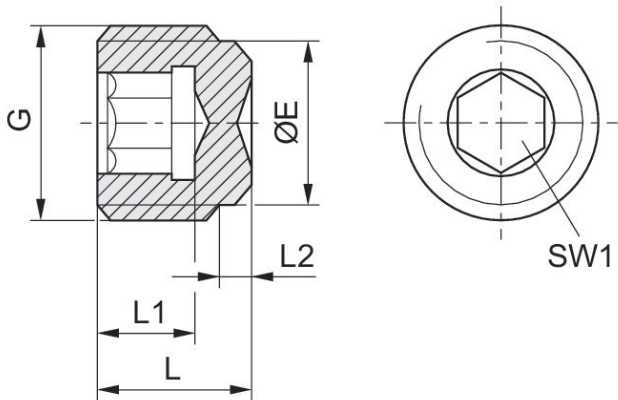
Blanking screw, Brass

Compressed air connection type: External thread
Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar



G	Delivery unit [piece]	Part No.
G 1/8	10	1823462004

Dimensions



Dimensions in mm

Part No.	Port G	ØE	L	L1	L2	SW1
1823462004	G 1/8	8	8	5	2	5
1823462003	G 1/4	11	11	7	3.5	6

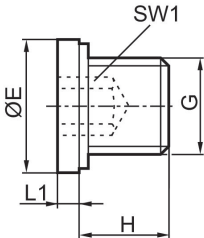
Blanking screw, gasket

Min. ambient temperature: -20 °C
Max. ambient temperature: 80 °C
Min. working pressure: 0 bar
Max. working pressure: 16 bar



G	Delivery unit [piece]	Part No.
G 1/8	25	1823462028

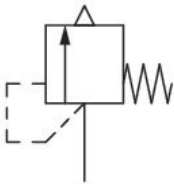
Dimensions



Part No.	Port G	Ø E	H	L1	SW1
1823462028	G 1/8	14	8	3	5
1823462029	G 1/4	18	12	3	6
1823462030	G 3/8	22	12	3	8
1823462031	G 1/2	26	14	4	10
1823462032	G 3/4	32	16	4	12
1823462033	G 1	39	16	5	17

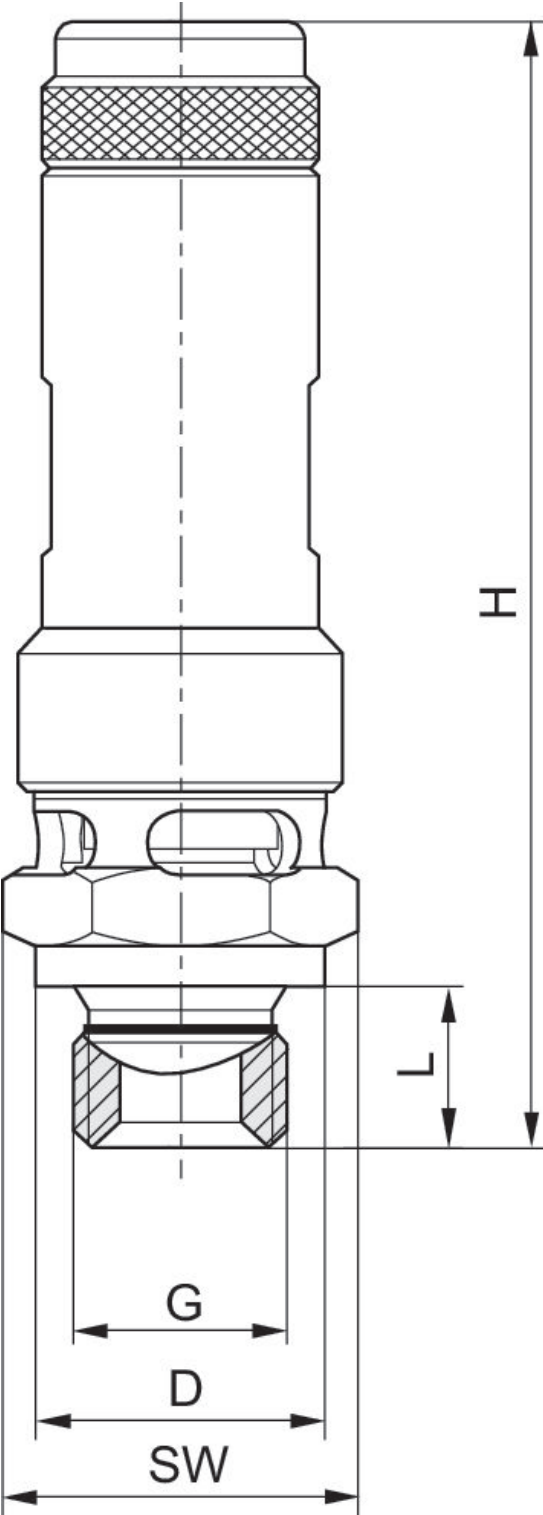
Series RV1

Compressed air connection type: External thread
Compressed air connection type 2: Uncollected
Temperature resistance: Heat resistant
Certificates: CE declaration of conformity
Min. ambient temperature: -20 °C
Max. ambient temperature: 100 °C
Min. working pressure: 0 bar
Max. working pressure: 20 bar



Compressed air connection 1	Nominal flow Qn 1 to 2 [l/min]	Opening pressure of valve [bar]	Housing material	Part No.
G 1/4	676	0.8	Brass	R412007521
G 1/4	996	1.5	Brass	R412007522
G 1/4	1219	2	Brass	R412007523
G 1/4	1872	3.5	Brass	R412007524
G 1/4	2084	4	Brass	R412007525
G 1/4	2424	4.8	Brass	R412007526
G 1/4	2933	6	Brass	R412007527
G 1/4	3150	6.5	Brass	R415021667
G 1/4	3783	8	Brass	R412007528
G 1/4	4632	10	Brass	R412007529
G 1/4	5056	11	Brass	R412007530
G 1/4	6755	15	Brass	R412007531
G 1/4	7179	16	Brass	R412007532

Dimensions



G = connection 1

Part No.	Port G	Ø D	H	L	SW	T [Nm]	NW
R412007521	G 1/4	18	69	10	19	30	8
R412007522	G 1/4	18	69	10	19	30	8
R412007523	G 1/4	18	69	10	19	30	8
R412007524	G 1/4	18	69	10	19	30	8
R412007525	G 1/4	18	69	10	19	30	8
R412007526	G 1/4	18	69	10	19	30	8
R412007527	G 1/4	18	69	10	19	30	8
R412007528	G 1/4	18	69	10	19	30	8
R412007529	G 1/4	18	69	10	19	30	8
R412007530	G 1/4	18	69	10	19	30	8
R412007531	G 1/4	18	69	10	19	30	8
R412007532	G 1/4	18	69	10	19	30	8
R412007533	G 3/8	22	75	10	24	40	10
R412007534	G 3/8	22	75	10	24	40	10
R412007535	G 3/8	22	75	10	24	40	10
R412007721	G 3/8	22	75	10	24	40	10
R412007536	G 3/8	22	75	10	24	40	10
R412007537	G 3/8	22	75	10	24	40	10
R412007538	G 3/8	22	75	10	24	40	10
R412007539	G 3/8	22	88	10	24	40	10
R412007540	G 3/8	22	88	10	24	40	10
R412007541	G 3/8	22	88	10	24	40	10
R412007542	G 1/2	26	78	12	27	50	15
R412007720	G 1/2	26	78	12	27	50	15
R412007690	G 1/2	26	78	12	27	50	15
R412007691	G 1/2	26	78	12	27	50	15
R412007692	G 1/2	26	78	12	27	50	15
R412007699	G 1/2	26	78	12	27	50	15
R412007696	G 1/2	26	78	12	27	50	15
R412007702	G 1/2	26	78	12	27	50	15
R412007698	G 1/2	26	78	12	27	50	15
R412007697	G 1/2	26	77.5	12	27	50	15
R412007693	G 1/2	26	91	12	27	50	15
R412007694	G 1/2	26	91	12	27	50	15
R412007700	G 1/2	26	91	12	27	50	15
R412007701	G 1/2	26	91	12	27	50	15
R412007695	G 1/2	26	91	12	27	50	15
R412007703	G 1/2	26	91	12	27	50	15
R412007543	G 1/2	26	91	12	27	50	15
R412007544	G 3/4	32	106	12	30	60	20
R412007684	G 3/4	32	106	12	30	60	20
R412007545	G 3/4	32	106	12	30	60	20
R412007546	G 3/4	32	106	12	30	60	20
R412007547	G 3/4	32	106	12	30	60	20
R412007548	G 3/4	32	106	12	30	60	20
R412007549	G 3/4	32	116	12	30	60	20
R412007550	G 3/4	32	116	12	30	60	20
R412007551	G 3/4	32	116	12	30	60	20
R412007552	G 3/4	32	116	12	30	60	20

NW = nominal width

Efficient pneumatic solutions, our program:
cylinders and drives, valves and valve systems,
air supply management, proportional pressure
control valves



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