

Series AS5

The AVENTICS Series AS5 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.



Technical data

Industry

Industrial

Note

Archive product: Do not use in new constructions!

Parts

Filter pressure regulator

Reservoir

reservoir, polycarbonate, with PA protective guard

Port

G 1

Nominal flow Qn

14000 l/min

Filter porosity

40 µm

Condensate drain

semi-automatic, open without pressure

Pressure gauge

without pressure gauge

Min. working pressure

1.5 bar

Max. working pressure

16 bar

Min. ambient temperature

-10 °C

Max. ambient temperature

50 °C

Min. regulation range

0.5 bar

Max. regulation range

10 bar

Lock type

for padlocks

Type

1-part

Type

Can be assembled into blocks

Filter pressure regulator, Series AS5-FRE

AS5

R412009221

2026-07-08

Pressure supply	single
Mounting orientation	vertical
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Max. Internal air consumption	1.5 l/min
Filter element	exchangeable
Filter reservoir volume	87 cm ³
Max. achievable compressed air class acc. to ISO 8573-1:2010	7 : 7 : -
Medium	Compressed air Neutral gases
Weight	0.99 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material front plate	Acrylonitrile butadiene styrene
Material threaded bushing	Die cast zinc
Material reservoir	Polycarbonate
Material protective guard	Polyamide
Material filter insert	Polyethylene
Part No.	R412009221

Technical information

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

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

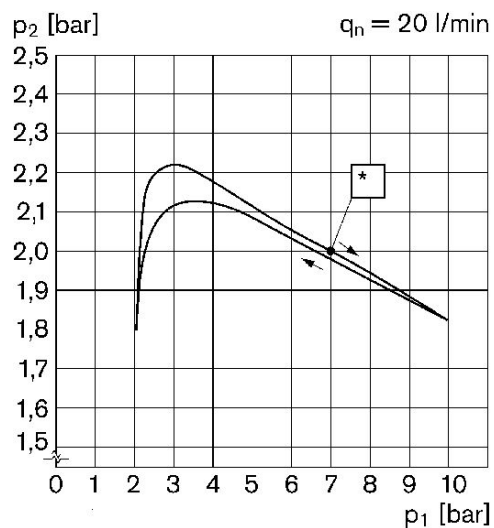
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Also suitable for separation of fluid oil or water due to the design.

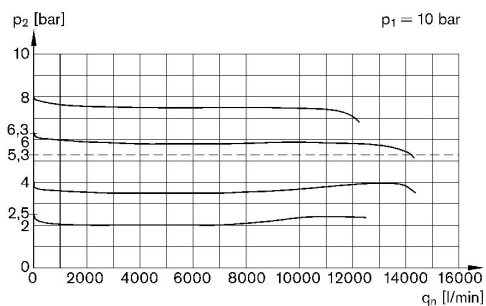
Order pressure gauge separately

Pressure characteristics curve



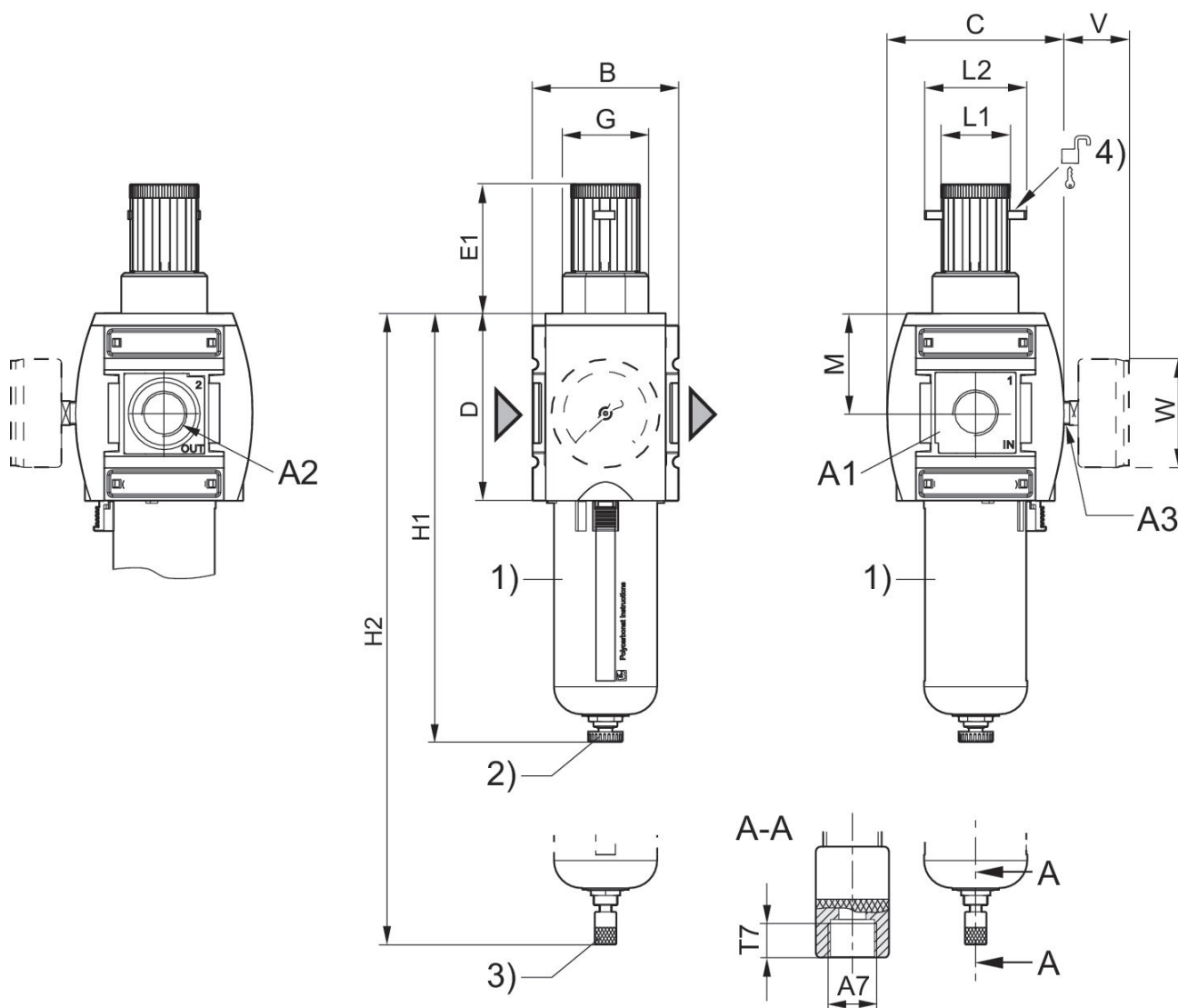
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 * starting point

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



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

Dimensions



A1 = input A2 = output A3 = pressure gauge connection

A7 = condensate drain

1) Plastic reservoir and protective guard with window

2) Semi-automatic condensate drain

3) Fully automatic condensate drain

4) Mounting option for padlocks, max. shackle Ø 8

Filter pressure regulator, Series AS5-FRE

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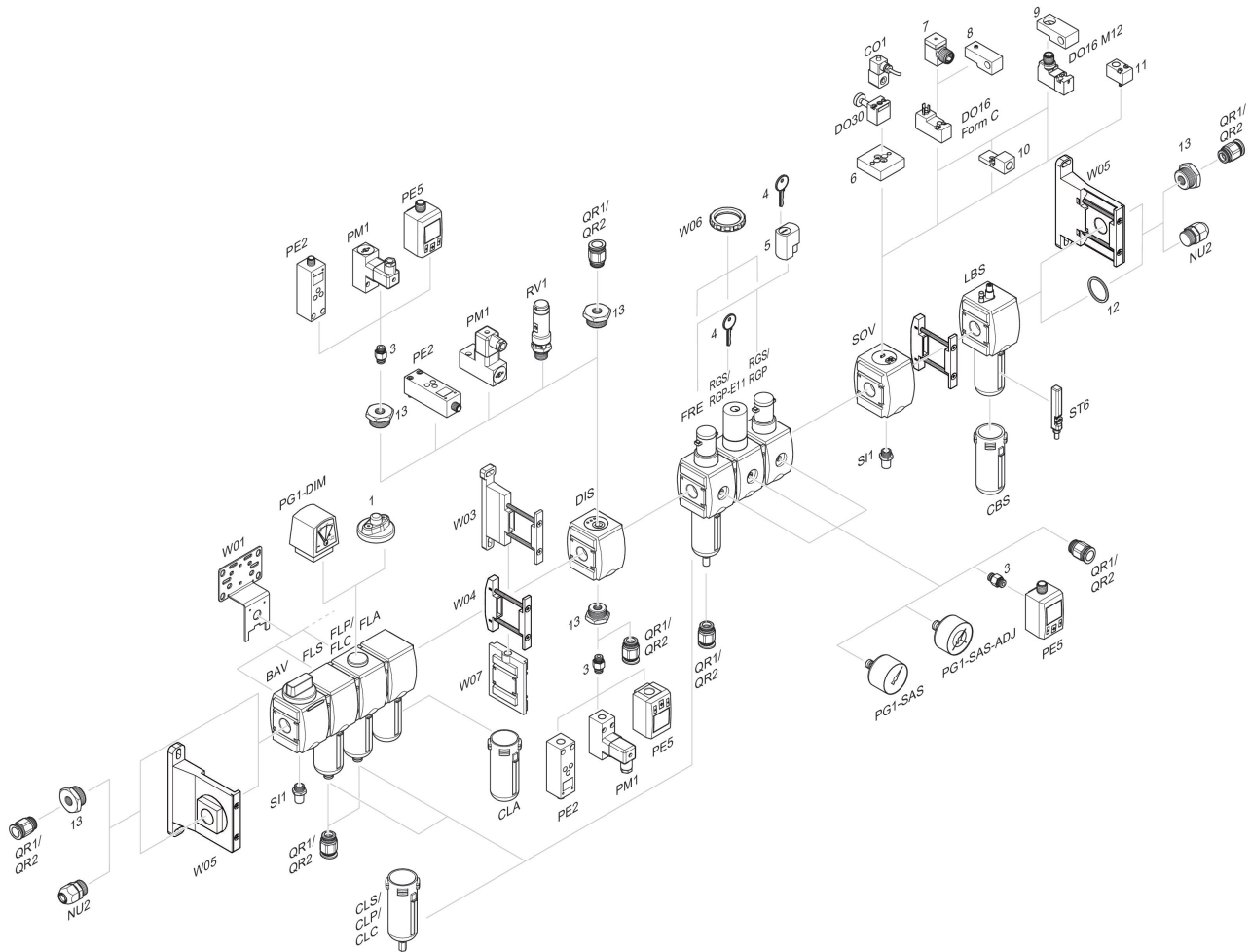
2026-07-08

Dimensions in mm

Part No.	A1	A2	A3	A7	B	C	D	E1	G	H1
R412009218	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009219	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009220	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009221	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009222	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009223	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250

Part No.	H2	L1	L2	M	T7	V	W
R412009218	266	41	60	58	8.5	38	63
R412009219	266	41	60	58	8.5	38	63
R412009220	266	41	60	58	8.5	38	63
R412009221	266	41	60	58	8.5	38	63
R412009222	266	41	60	58	8.5	38	63
R412009223	266	41	60	58	8.5	38	63

Accessories overview



1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring 13 = Reducing nipple