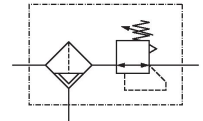


Series AS5

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 3/4

Nominal flow Qn

14000 l/min

Filter porosity

5 µm

Condensate drain

fully automatic, closed 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

8 bar

Lock type

for padlocks

Type

1-part

Type

Can be assembled into blocks

Filter pressure regulator, Series AS5-FRE

AS5

R412009177

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	6 : 7 : -
Medium	Compressed air Neutral gases
Weight	1.04 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.	R412009177

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".

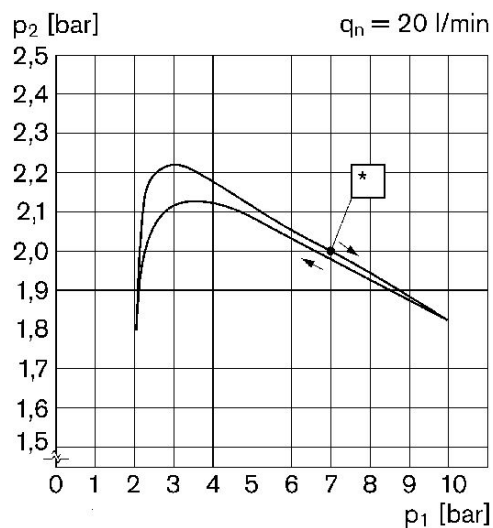
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

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.

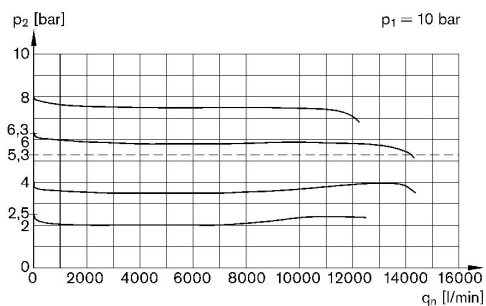
Order pressure gauge separately

Pressure characteristics curve



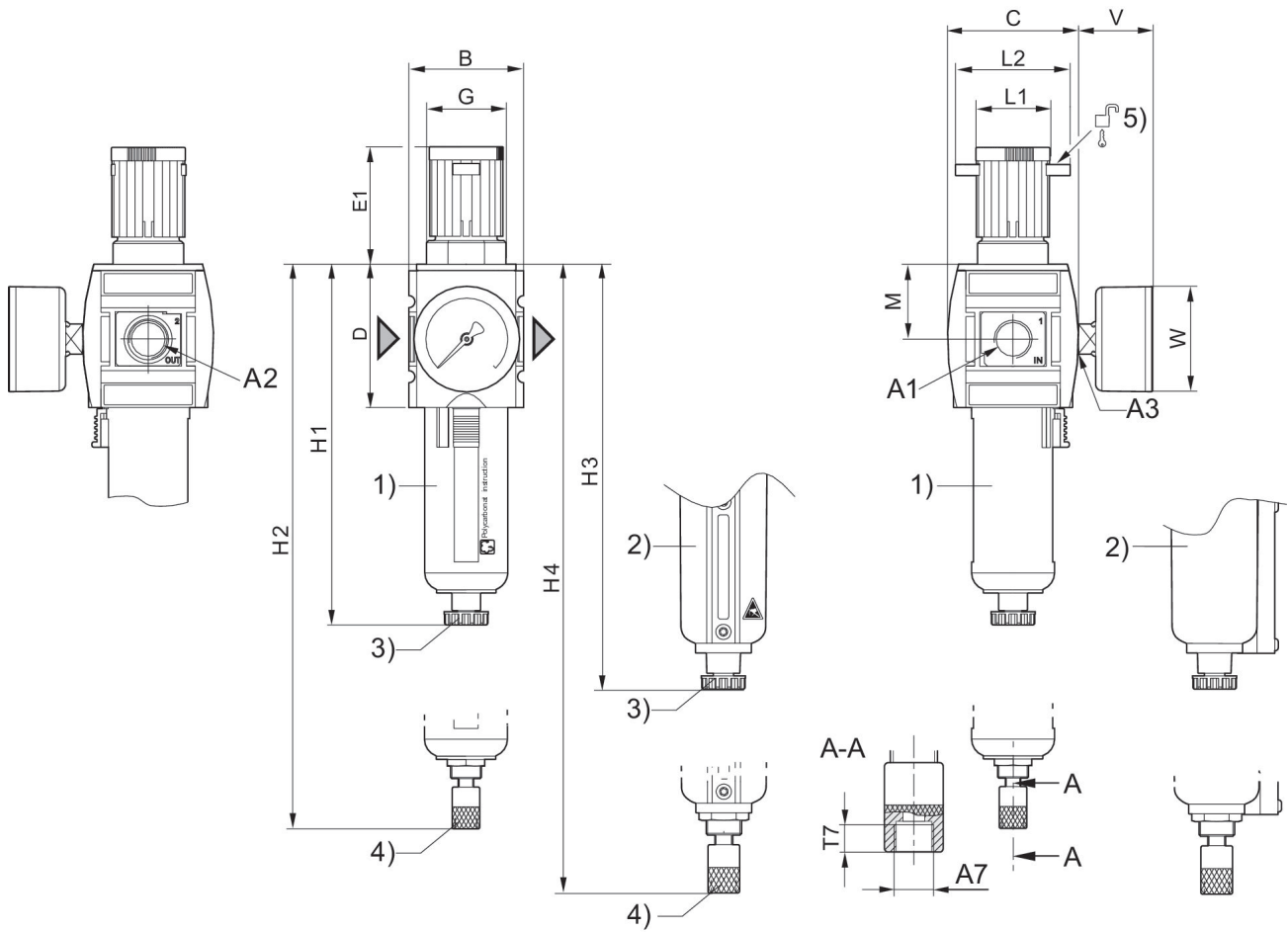
p_1 = Working pressure
 p_2 = Secondary pressure
 q_n = Nominal flow
 * starting point

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) Metal reservoir with level indicator

3) Semi-automatic condensate drain

4) Fully automatic condensate drain

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

Dimensions in mm

Part No.	A1	A2	A3	A7	B	C	D	E1	G	H1
R412009200	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009201	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009202	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009206	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009207	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009208	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009209	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009210	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009211	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009215	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009216	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009217	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009175	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009176	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009177	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009193	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009194	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009195	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009181	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009182	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009183	G 3/4	G 3/4	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009184	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009185	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009186	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009192	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009191	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009190	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009196	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009197	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250
R412009198	G 1	G 1	G 1/4	G 1/8	85	103	109	75	M50x1,5	250

Filter pressure regulator, Series AS5-FRE

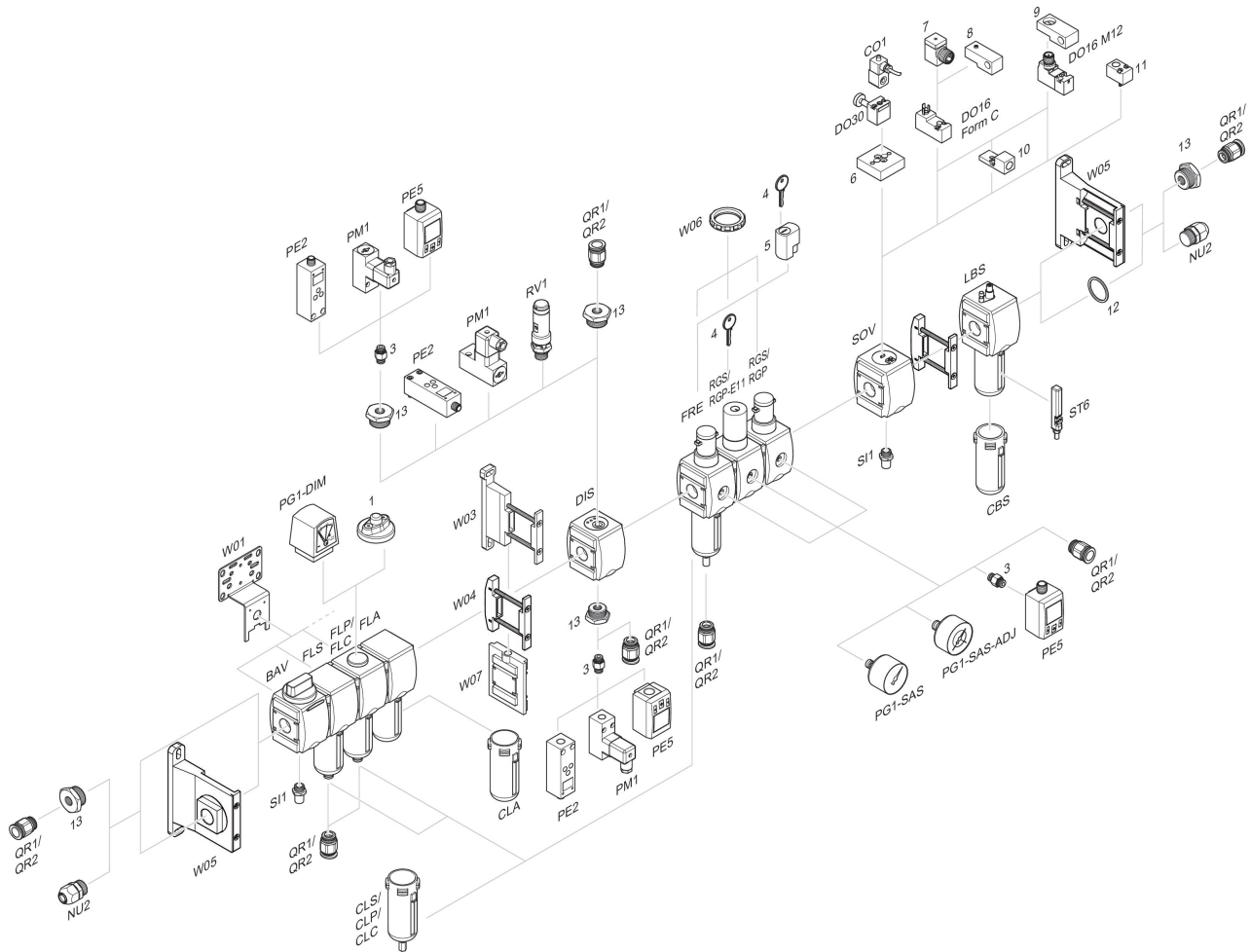
AS5

R412009177

2026-07-08

Part No.	H2	H3	H4	L1	L2	M	T7	V	W
R412009200	206	193.5	210.5	41	60	58	8.5	38	63
R412009201	206	193.5	210.5	41	60	58	8.5	38	63
R412009202	206	193.5	210.5	41	60	58	8.5	38	63
R412009206	206	193.5	210.5	41	60	58	8.5	38	63
R412009207	206	193.5	210.5	41	60	58	8.5	38	63
R412009208	206	193.5	210.5	41	60	58	8.5	38	63
R412009209	206	193.5	210.5	41	60	58	8.5	38	63
R412009210	206	193.5	210.5	41	60	58	8.5	38	63
R412009211	206	193.5	210.5	41	60	58	8.5	38	63
R412009215	206	193.5	210.5	41	60	58	8.5	38	63
R412009216	206	193.5	210.5	41	60	58	8.5	38	63
R412009217	206	193.5	210.5	41	60	58	8.5	38	63
R412009175	206	193.5	210.5	41	60	58	8.5	38	63
R412009176	206	193.5	210.5	41	60	58	8.5	38	63
R412009177	206	193.5	210.5	41	60	58	8.5	38	63
R412009193	206	193.5	210.5	41	60	58	8.5	38	63
R412009194	206	193.5	210.5	41	60	58	8.5	38	63
R412009195	206	193.5	210.5	41	60	58	8.5	38	63
R412009181	206	193.5	210.5	41	60	58	8.5	38	63
R412009182	206	193.5	210.5	41	60	58	8.5	38	63
R412009183	206	193.5	210.5	41	60	58	8.5	38	63
R412009184	206	193.5	210.5	41	60	58	8.5	38	63
R412009185	206	193.5	210.5	41	60	58	8.5	38	63
R412009186	206	193.5	210.5	41	60	58	8.5	38	63
R412009192	206	193.5	210.5	41	60	58	8.5	38	63
R412009191	206	193.5	210.5	41	60	58	8.5	38	63
R412009190	206	193.5	210.5	41	60	58	8.5	38	63
R412009196	206	193.5	210.5	41	60	58	8.5	38	63
R412009197	206	193.5	210.5	41	60	58	8.5	38	63
R412009198	206	193.5	210.5	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