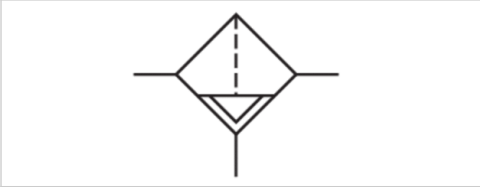
Microfilter, Series AS1-FLC

- G 1/4
- Air supply right
- filter porosity 0,01 µm



Type	Microfilter, Can be assembled into blocks
Parts	Microfilter
Mounting orientation	vertical
Working pressure min./max.	1,5 ... 12 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Filter reservoir volume	12 cm³
Filter element	exchangeable
filter porosity	0,01 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain
R412014692	G 1/4	350 l/min	semi-automatic, open without pressure
R412014693	G 1/4	350 l/min	fully automatic, open without pressure
R412014694	G 1/4	350 l/min	fully automatic, closed without pressure
R412014695	G 1/4	350 l/min	semi-automatic, open without pressure
R412014696	G 1/4	350 l/min	semi-automatic, open without pressure
R412014697	G 1/4	350 l/min	fully automatic, open without pressure
R412014698	G 1/4	350 l/min	fully automatic, closed without pressure

Part No.	Version	Weight
R412014692	reservoir, polycarbonate, without protective guard	0,169 kg
R412014693	reservoir, polycarbonate, without protective guard	0,187 kg
R412014694	reservoir, polycarbonate, without protective guard	0,187 kg
R412014695	reservoir, polycarbonate, with metal protective guard	0,202 kg
R412014696	Metal reservoir without window	0,246 kg
R412014697	Metal reservoir without window	0,258 kg
R412014698	Metal reservoir without window	0,258 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 0.1 bar

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

Recommended pre-filtering 0,3 µm

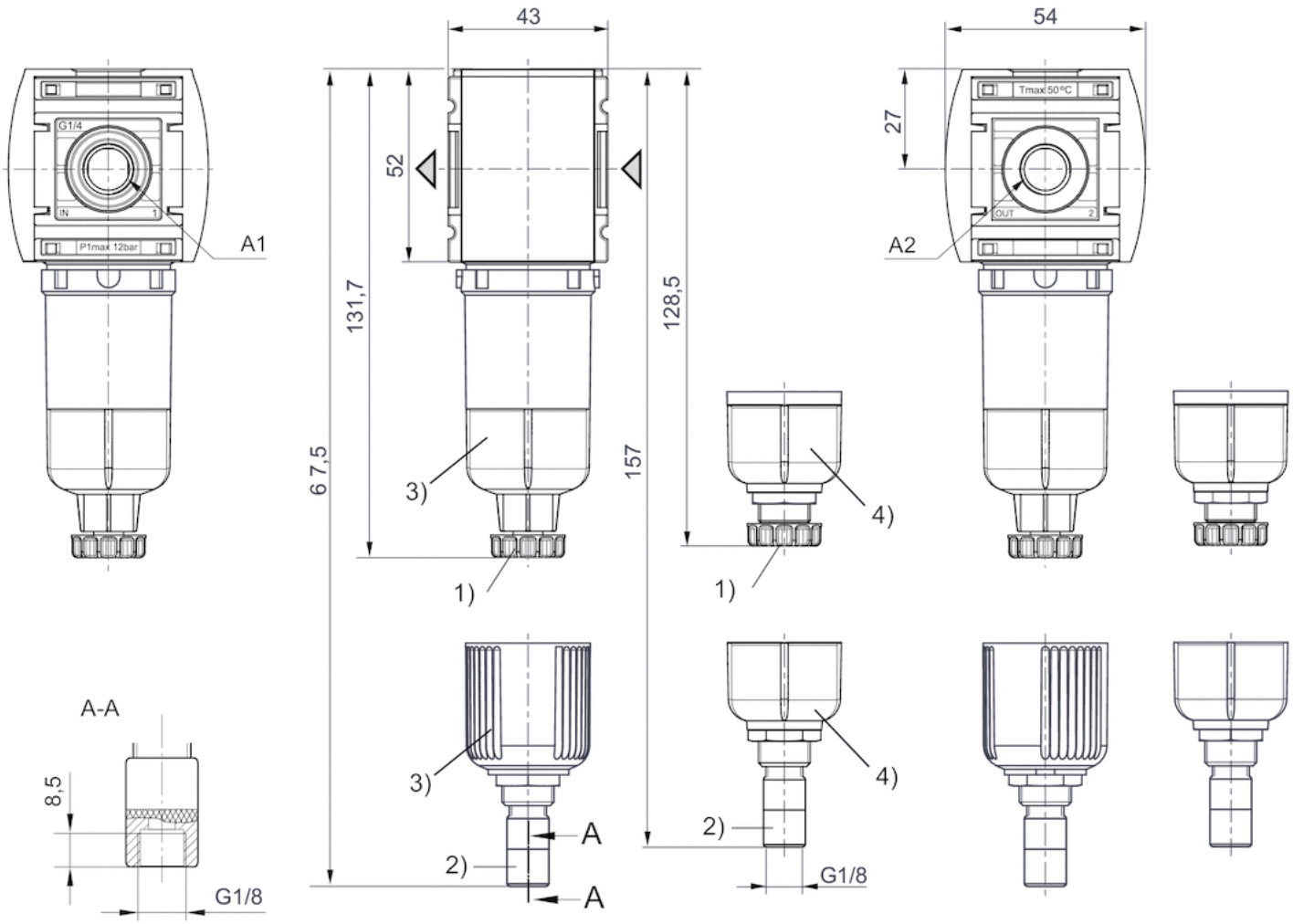
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate metal
Protective guard	metal
Filter insert	Borosilicate aluminum

Dimensions

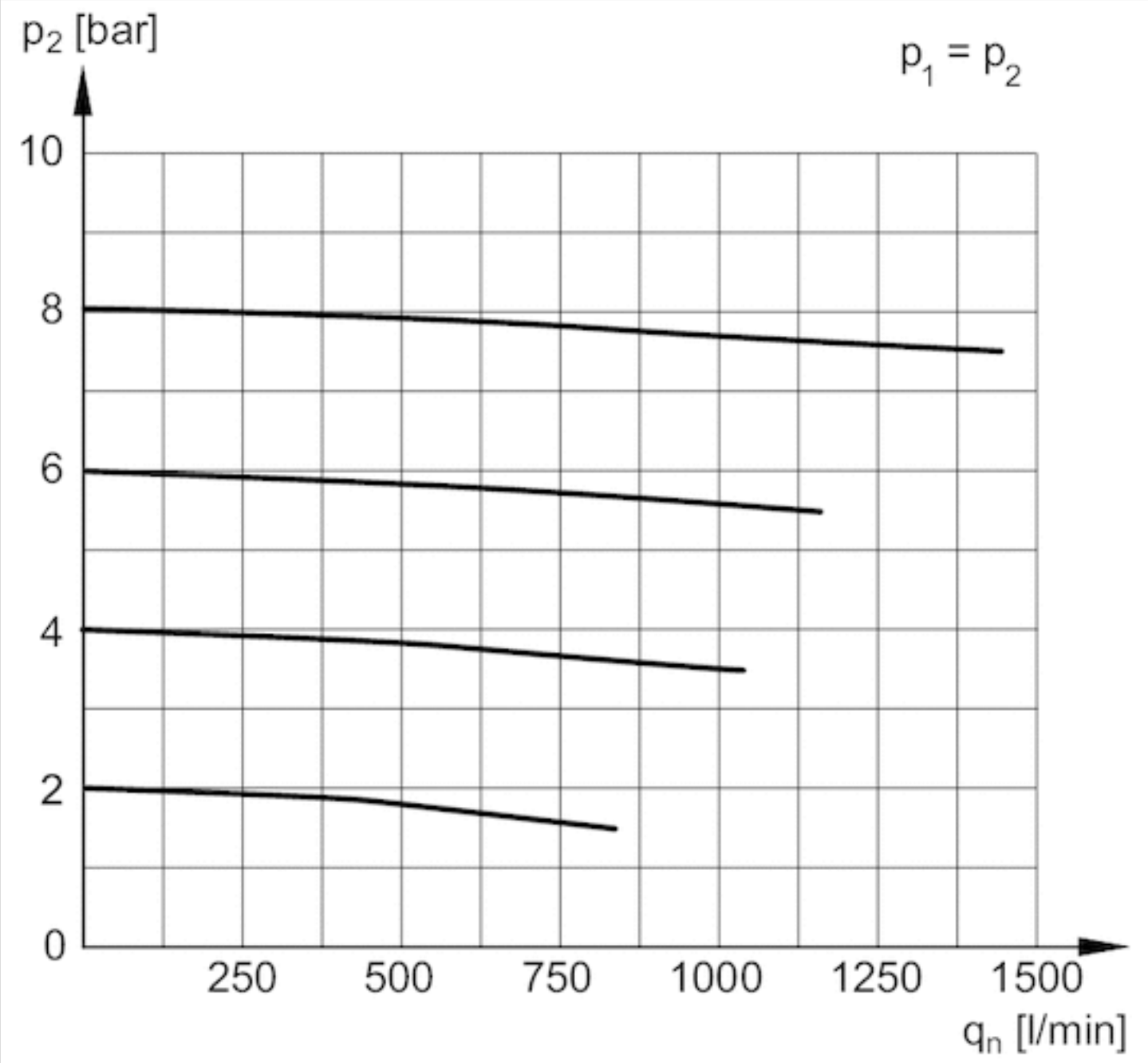
Dimensions in mm



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

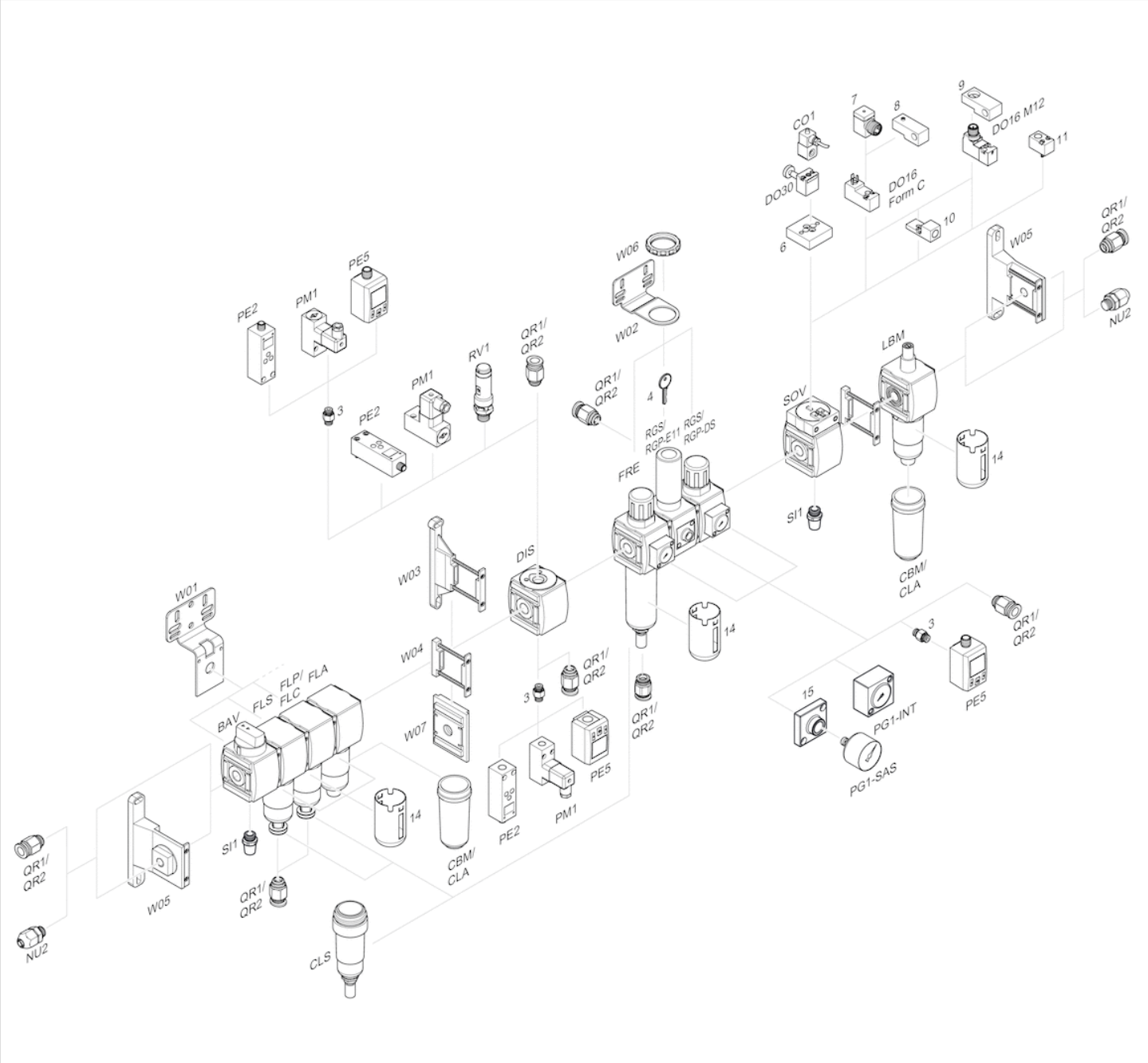
Diagrams

Flow rate characteristic



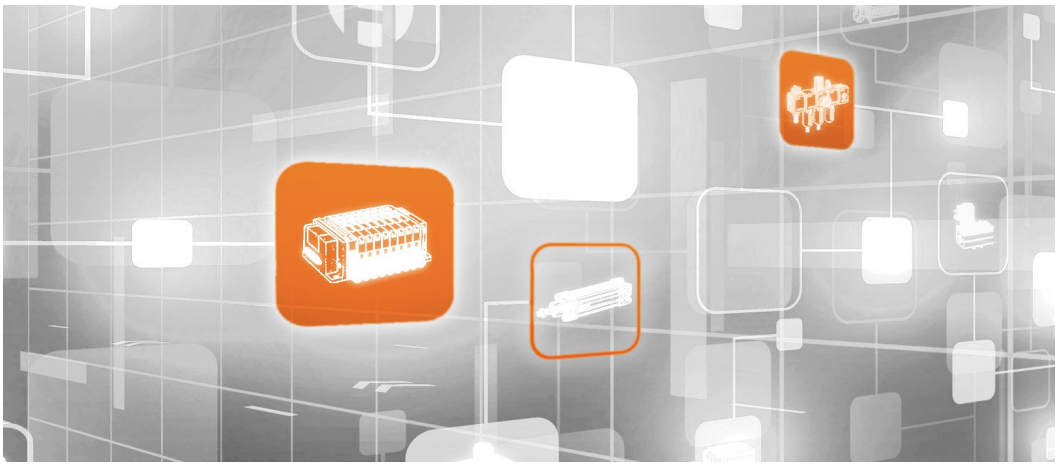
p1 = working pressure
p2 = secondary pressure
qn = nominal flow

Accessories overview



3 = Double nipple
4 = Key for E11 locking
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
14 = Protective guard
15 = Transition plate for assembling a pressure gauge with connection thread G 1/8

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

Twitter.com/EMR_Automation

2020-12

EMERSON.

CONSIDER IT SOLVED™