Filter pressure regulator, Series AS1-FRE

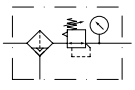
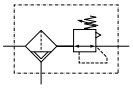
► G 1/4 ► Air supply: left ► filter porosity: 5 µm

00137251

Parts	Filter, Pressure controller
Mounting orientation	vertical
Working pressure min./max.	1.5 bar / 12 bar
Medium	Compressed air Neutral gases
Medium temperature min./max.	-10 °C / +50 °C
Ambient temperature min./max.	-10 °C / +50 °C
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust (> 3 bar)
Adjustment range min./max.	See table below
Pressure supply	single
Filter reservoir volume	16 cm³
Filter element	exchangeable
Condensate drain	See table below
Materials:	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile Butadiene Rubber
Threaded bushing	Die cast zinc
Filter insert	Cellpor

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- solid impurities in the compressed air at the outlet as per ISO 8573-1: class 6

		Port	Qn	Adjustment range min./max.	Condensate drain	Weight	Fig.	Note	Part No.
			[l/min]	[bar]		[kg]			
		G 1/4	1000	0.5 / 8	semi-automatic, open without pressure	0.241	Fig. 1	1); 4)	**R412014645**
					fully automatic, open without pressure	0.259		1); 4)	**R412014646**
					fully automatic, closed without pressure	0.259		1); 4)	R412014647
					semi-automatic, open without pressure	0.274		1); 4); 6)	**R412014648**
					semi-automatic, open without pressure	0.318		1); 5)	R412014649
					fully automatic, open without pressure	0.33		1); 5)	R412014650
					fully automatic, closed without pressure	0.33		1); 5)	R412014651
	-	G 1/4	1000	0.5 / 8	semi-automatic, open without pressure	0.238	Fig. 2	2); 3); 4)	**R412014652**
					fully automatic, open without pressure	0.256			**R412014653**
					fully automatic, closed without pressure	0.256			R412014654

1) Pressure gauge enclosed separately
2) Order pressure gauge separately
3) Max. pressure gauge Ø in blocked state [mm]: 40
4) Reservoir: Polycarbonate
5) Reservoir: Die cast zinc
6) Protective guard: metal
Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

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

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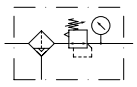
			[l/min]	[bar]		[kg]			
		G 1/4	1000	0.5 / 10	semi-automatic, open without pressure	0.241	Fig. 1	1); 4)	**R412014655**
					fully automatic, open without pressure	0.259		1); 4)	**R412014656**
					fully automatic, closed without pressure	0.259		1); 4)	R412014657
					semi-automatic, open without pressure	0.274		1); 4); 6)	**R412014658**
					semi-automatic, open without pressure	0.318		1); 5)	R412014659
					fully automatic, open without pressure	0.33		1); 5)	R412014660
					fully automatic, closed without pressure	0.33		1); 5)	R412014661

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2) Order pressure gauge separately
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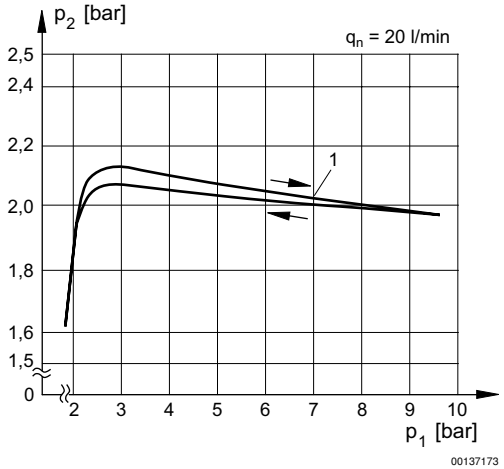
Pressure characteristics curve



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

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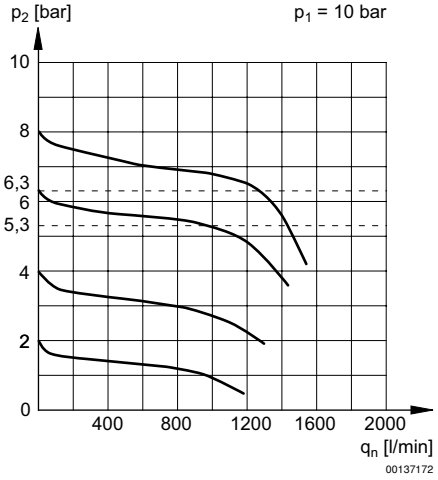
Flow rate characteristic



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

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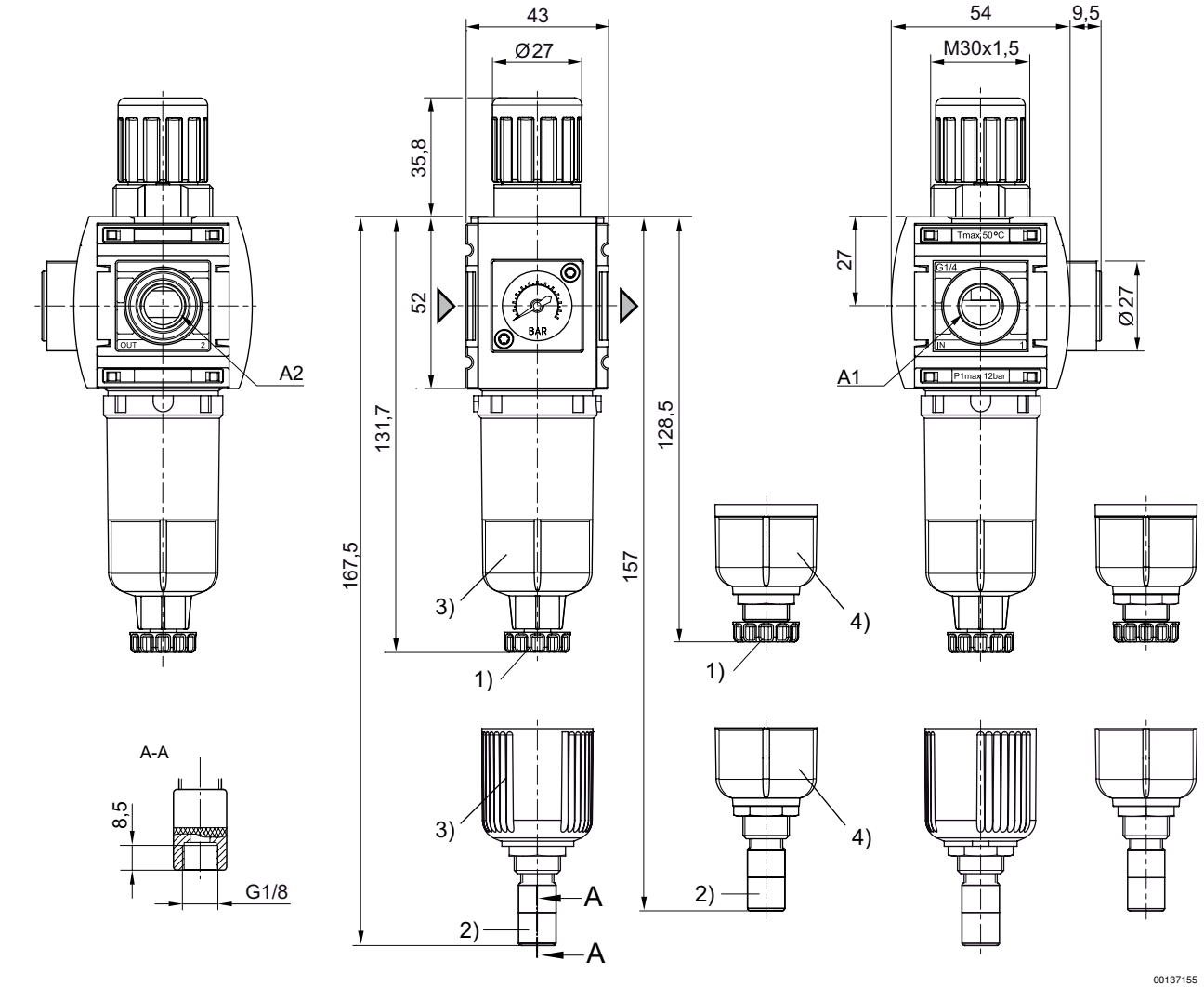
Dimensions, Fig. 1



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

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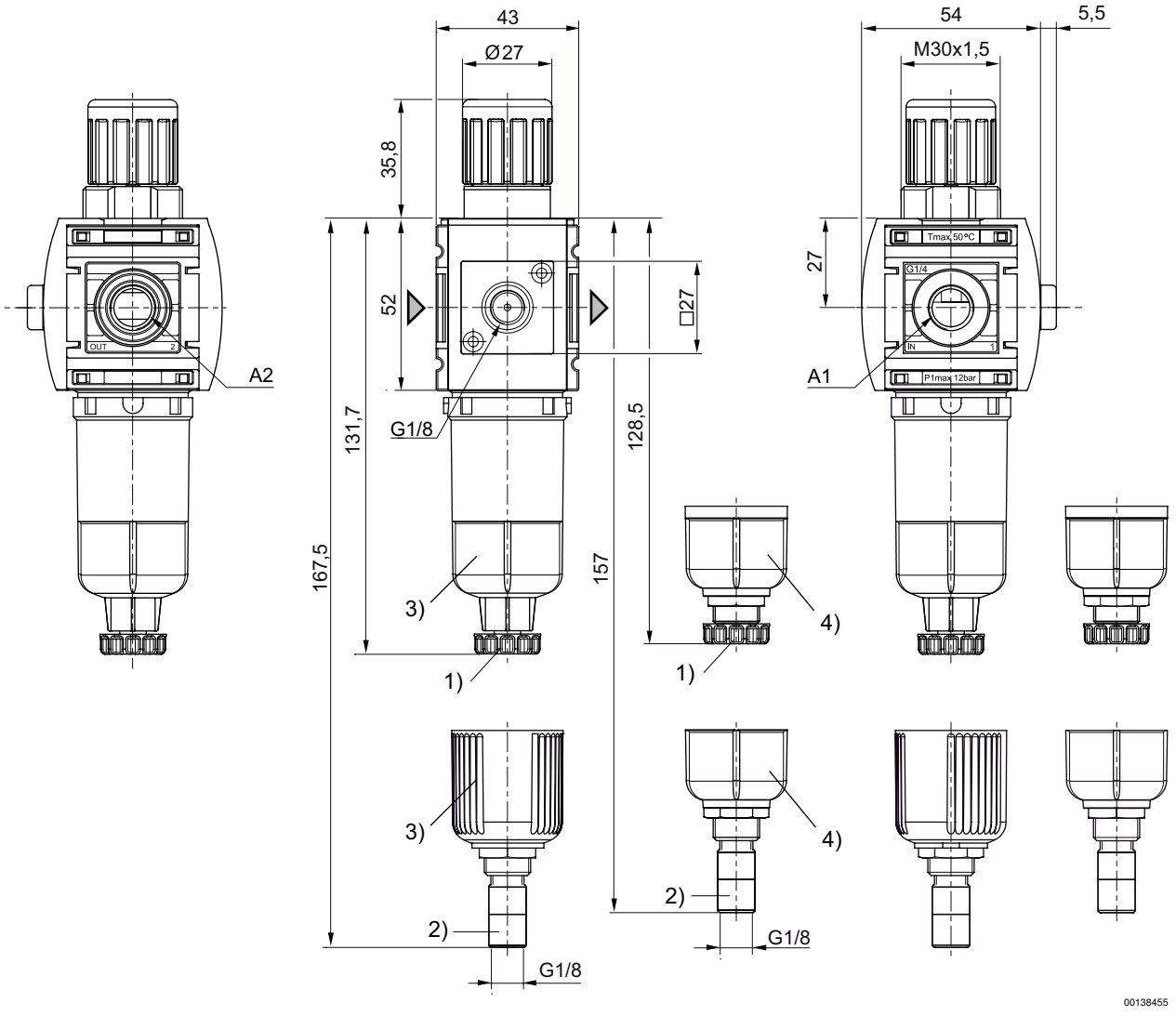
Dimensions, Fig. 2



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