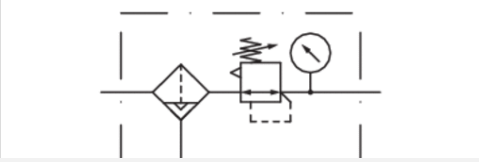
Filter pressure regulator, Series AS3-FRE

- G 1/2
- filter porosity 5 µm
- lockable
- for padlocks
- with pressure gauge
- suitable for ATEX





Type	1-part, Can be assembled into blocks
Parts	Filter pressure regulator
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	1,5 ... 16 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	5100 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table
Pressure supply	single
Filter reservoir volume	49 cm³
Filter element	exchangeable
Weight	See table

Technical data

Part No.	Port	filter porosity	Flow	Adjustment range min./max.
			Qn	
R412007200	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007201	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007202	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007206	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007207	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007208	G 3/8	5 µm	5100 l/min	0,5 ... 8 bar
R412007209	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar
R412007237	G 1/2	5 µm	5100 l/min	0,5 ... 16 bar
R412007210	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar
R412007211	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar
R412007215	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar
R412007216	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar
R412007217	G 1/2	5 µm	5100 l/min	0,5 ... 8 bar

Part No.	Condensate drain	Pressure gauge	Reservoir
R412007200	semi-automatic, open without pressure	with pressure gauge	Polycarbonate
R412007201	fully automatic, open without pressure	with pressure gauge	Polycarbonate
R412007202	fully automatic, closed without pressure	with pressure gauge	Polycarbonate

Part No.	Condensate drain	Pressure gauge	Reservoir
R412007206	semi-automatic, open without pressure	with pressure gauge	Die cast zinc
R412007207	fully automatic, open without pressure	with pressure gauge	Die cast zinc
R412007208	fully automatic, closed without pressure	with pressure gauge	Die cast zinc
R412007209	semi-automatic, open without pressure	with pressure gauge	Polycarbonate
R412007237	fully automatic, open without pressure	with pressure gauge	Polycarbonate
R412007210	fully automatic, open without pressure	with pressure gauge	Polycarbonate
R412007211	fully automatic, closed without pressure	with pressure gauge	Polycarbonate
R412007215	semi-automatic, open without pressure	with pressure gauge	Die cast zinc
R412007216	fully automatic, open without pressure	with pressure gauge	Die cast zinc
R412007217	fully automatic, closed without pressure	with pressure gauge	Die cast zinc

Part No.	Protective guard	Weight
R412007200	Polyamide	0,658 kg
R412007201	Polyamide	0,707 kg
R412007202	Polyamide	0,707 kg
R412007206	-	0,89 kg
R412007207	-	0,943 kg
R412007208	-	0,943 kg
R412007209	Polyamide	0,658 kg
R412007237	Polyamide	0,658 kg
R412007210	Polyamide	0,707 kg
R412007211	Polyamide	0,707 kg
R412007215	-	0,87 kg
R412007216	-	0,922 kg
R412007217	-	0,922 kg

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".
Suitable for use in Ex zones 1, 2, 21, 22.
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.

Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

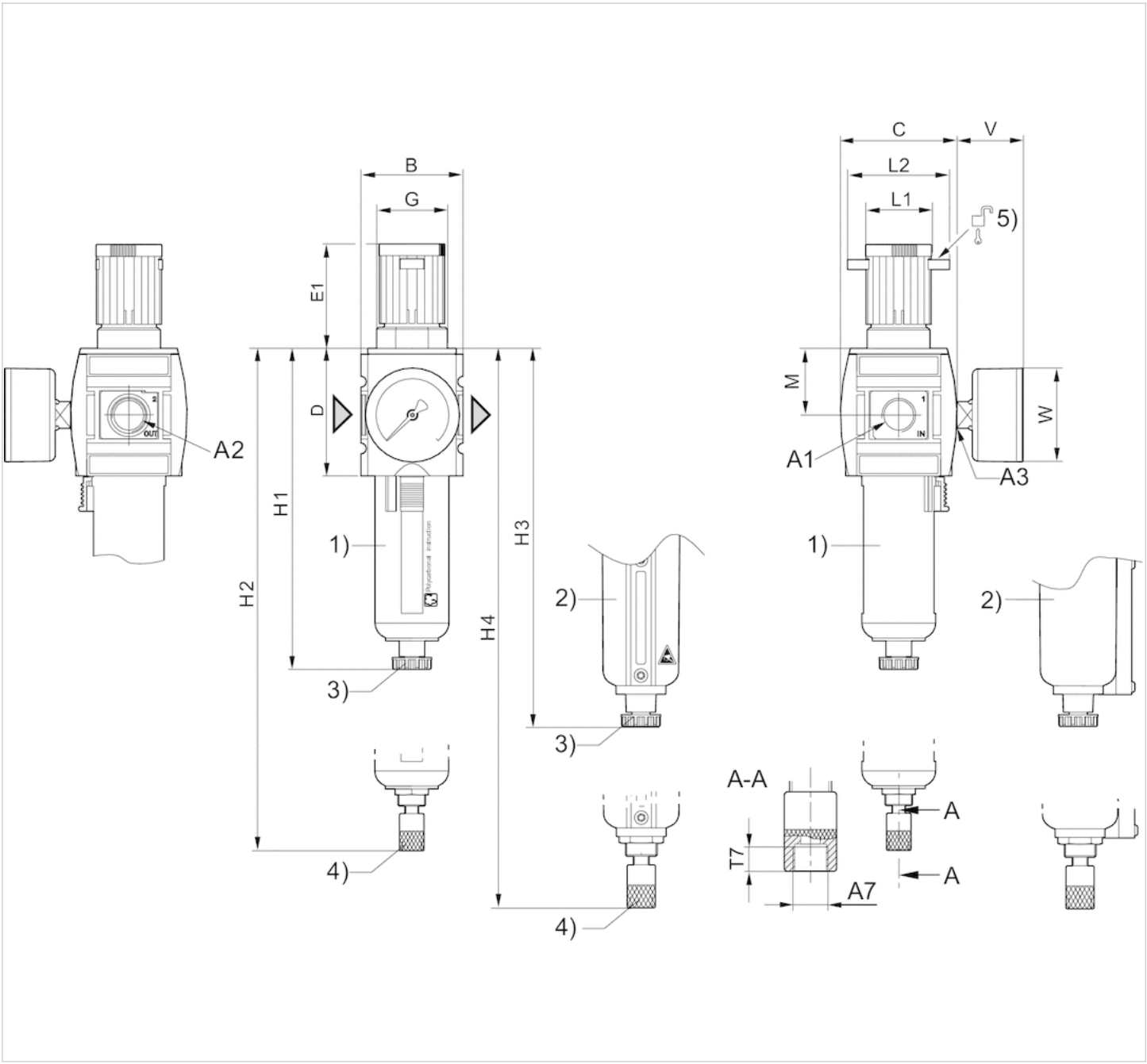
Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate Die cast zinc
Protective guard	Polyamide

Material	
Filter insert	Polyethylene

Dimensions

Dimensions



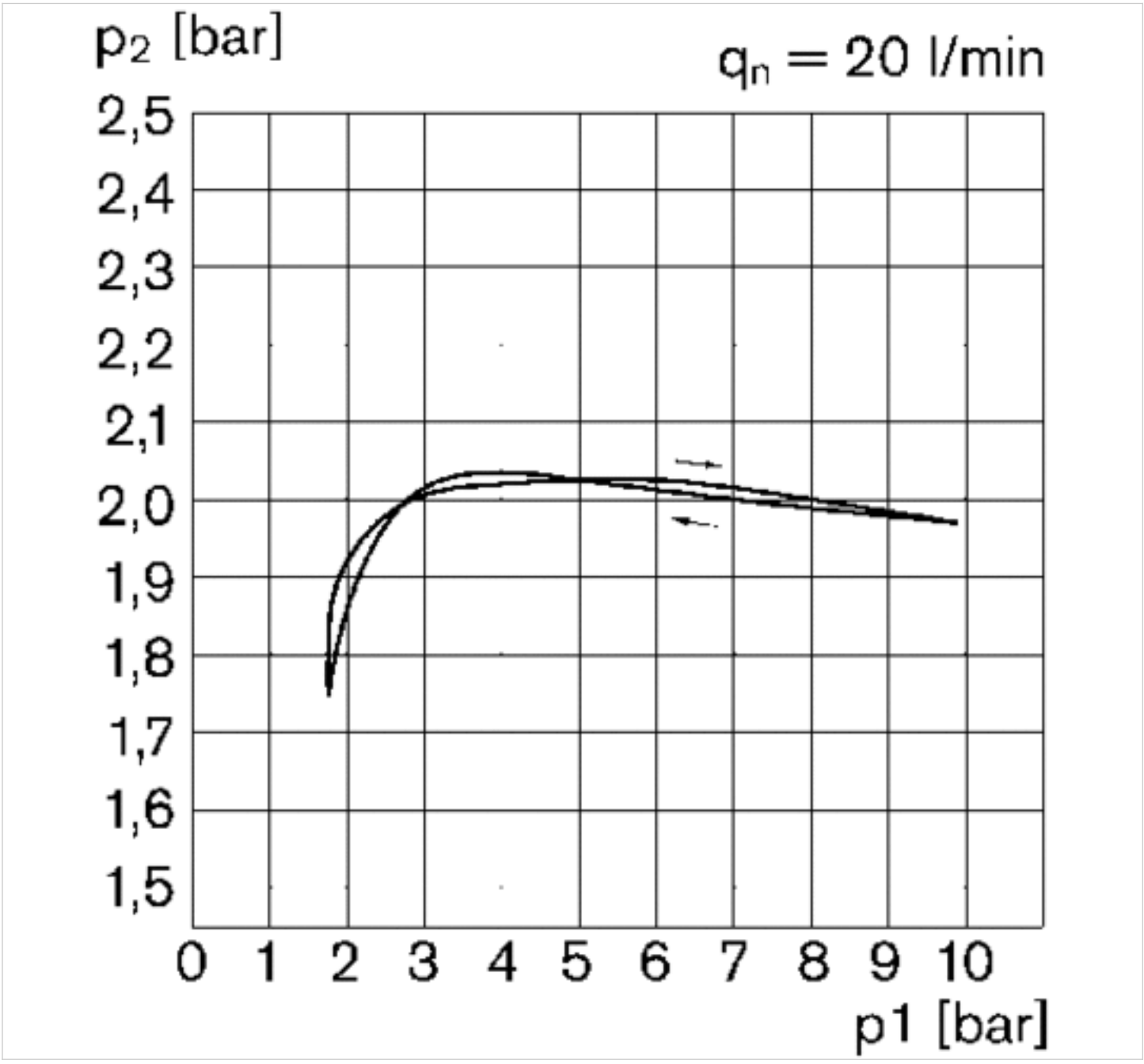
A1 = input
A2 = output
A3 = pressure gauge connection
A7 = condensate drain
1) Plastic reservoir and protective guard with window
2) Metal reservoir with level indicator
3) Semi-automatic condensate drain
4) Fully automatic condensate drain
5) Mounting option for padlocks, max. shackle Ø 8

Dimensions in mm

A1	A2	A3	A7	B	C	D	E1	G	H1	H2	H3	H4	L1	L2	M	T7	V	W
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	189.5	--	--	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	193.5	--	41	60	42.5	8.5	33	50
G 3/8	G 3/8	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	--	210.5	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	189.5	--	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	206	--	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	193.5	--	41	60	42.5	8.5	33	50
G 1/2	G 1/2	G 1/4	G 1/8	63	74	80	63.5	M42x1,5	--	--	--	210.5	41	60	42.5	8.5	33	50

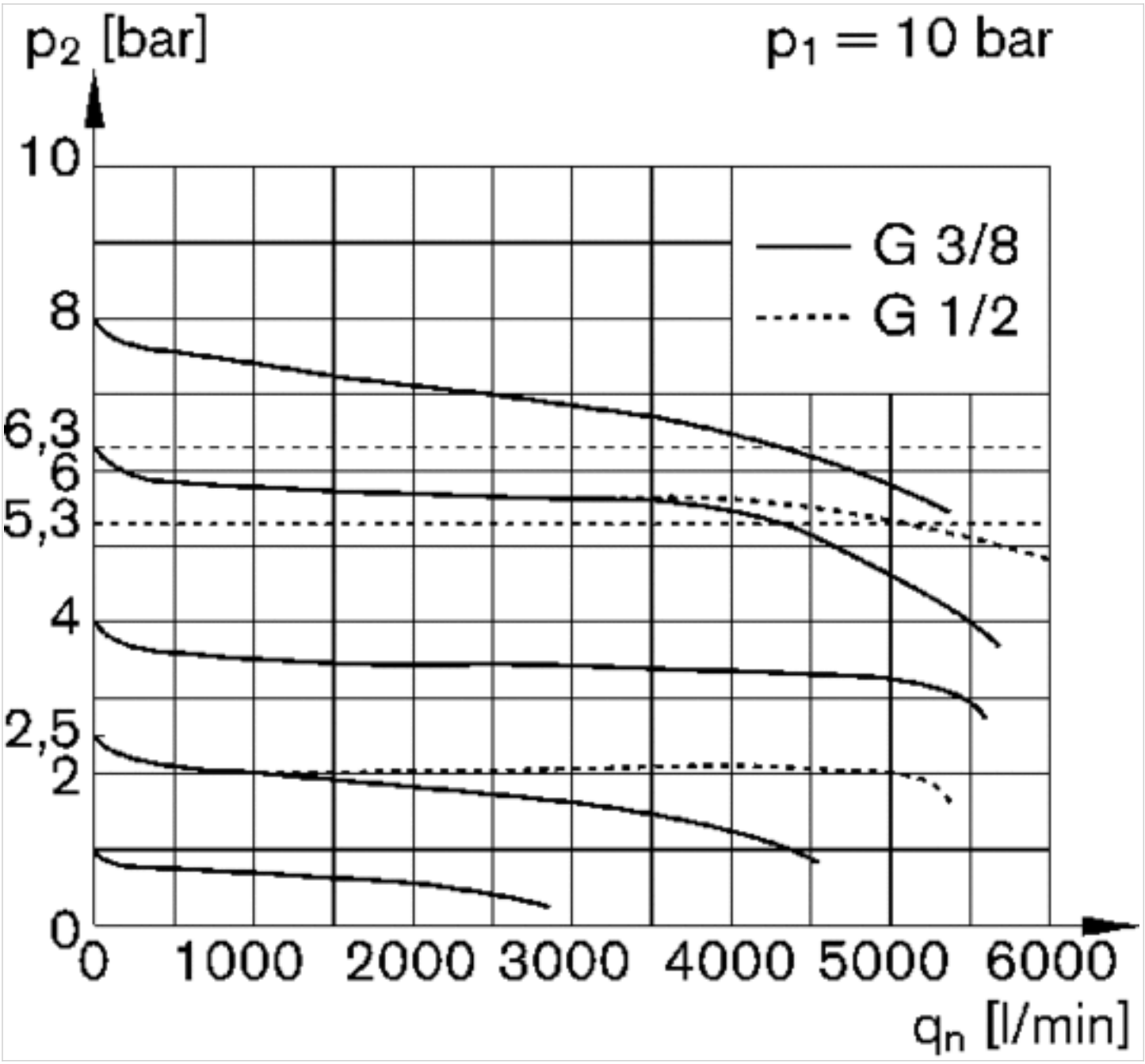
Diagrams

Pressure characteristics curve



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

Flow rate characteristic (p2: 0,5 - 8 bar)



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