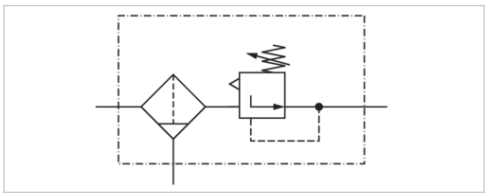
Precision filter pressure regulator, Series PR1-FRE

- G 1/4
- filter porosity 10 µm



Type	1-part
Parts	Precision filter pressure regulator
Mounting orientation	vertical
Working pressure min./max.	0,2 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Max. particle size	5 µm
Nominal flow Qn	750 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	See table below
Pressure supply	single
Filter reservoir volume	11,5 cm³
Filter element	exchangeable
Condensate drain	Manual
Max. Internal air consumption	0,01 l/min
Weight	0,975 kg

Technical data

Part No.	Port	filter porosity	Flow Qn	Adjustment range min./max.	Condensate drain
0821300410	G 1/4	10 µm	750 l/min	0,1 ... 2 bar	Manual
0821300411	G 1/4	10 µm	750 l/min	0,2 ... 5 bar	Manual

Nominal flow with secondary pressure 6.3 bar at Δp = 1 bar

Technical information

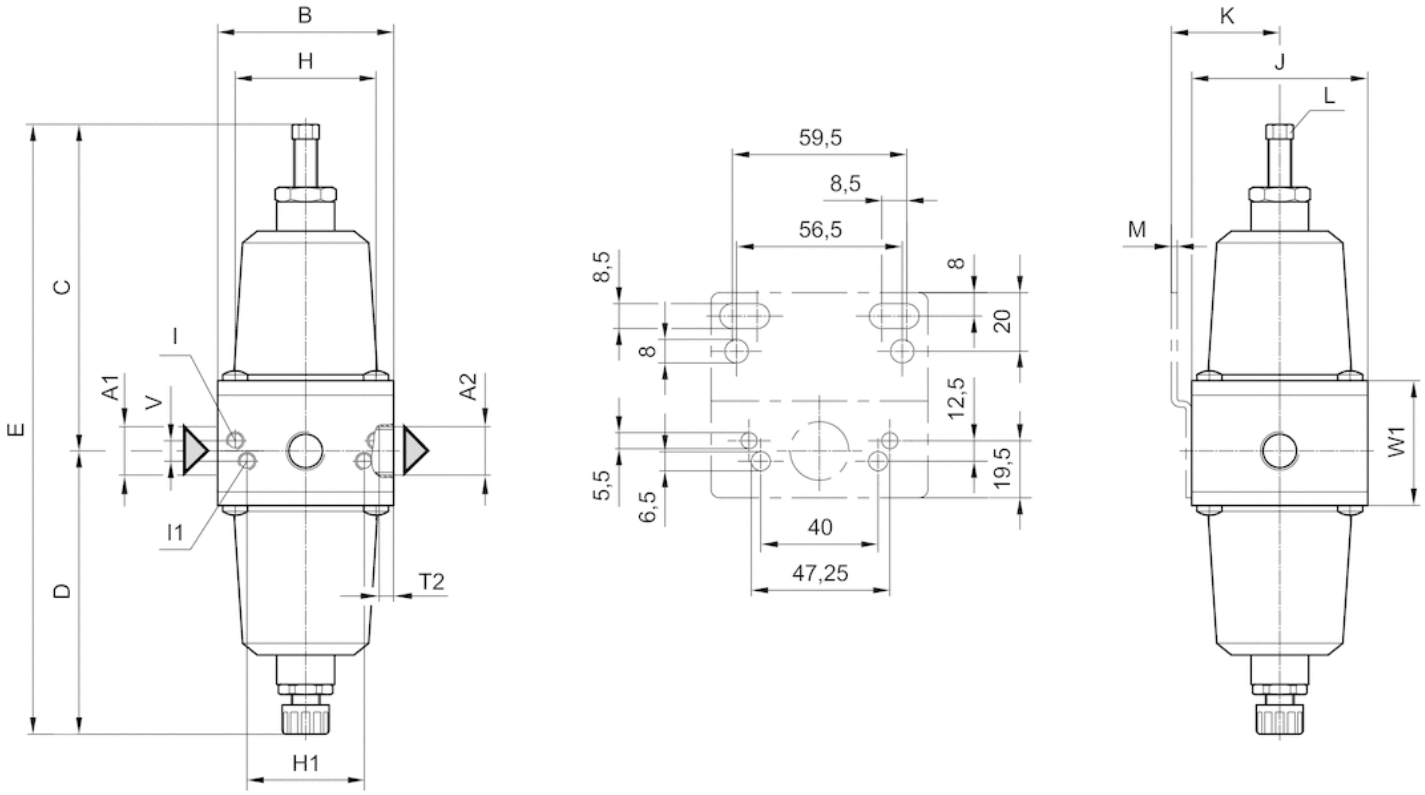
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Technical information

Material	
Housing	Die cast zinc
Seals	Acrylonitrile butadiene rubber
Reservoir	Die cast zinc
Filter insert	Polyethylene

Dimensions

Dimensions



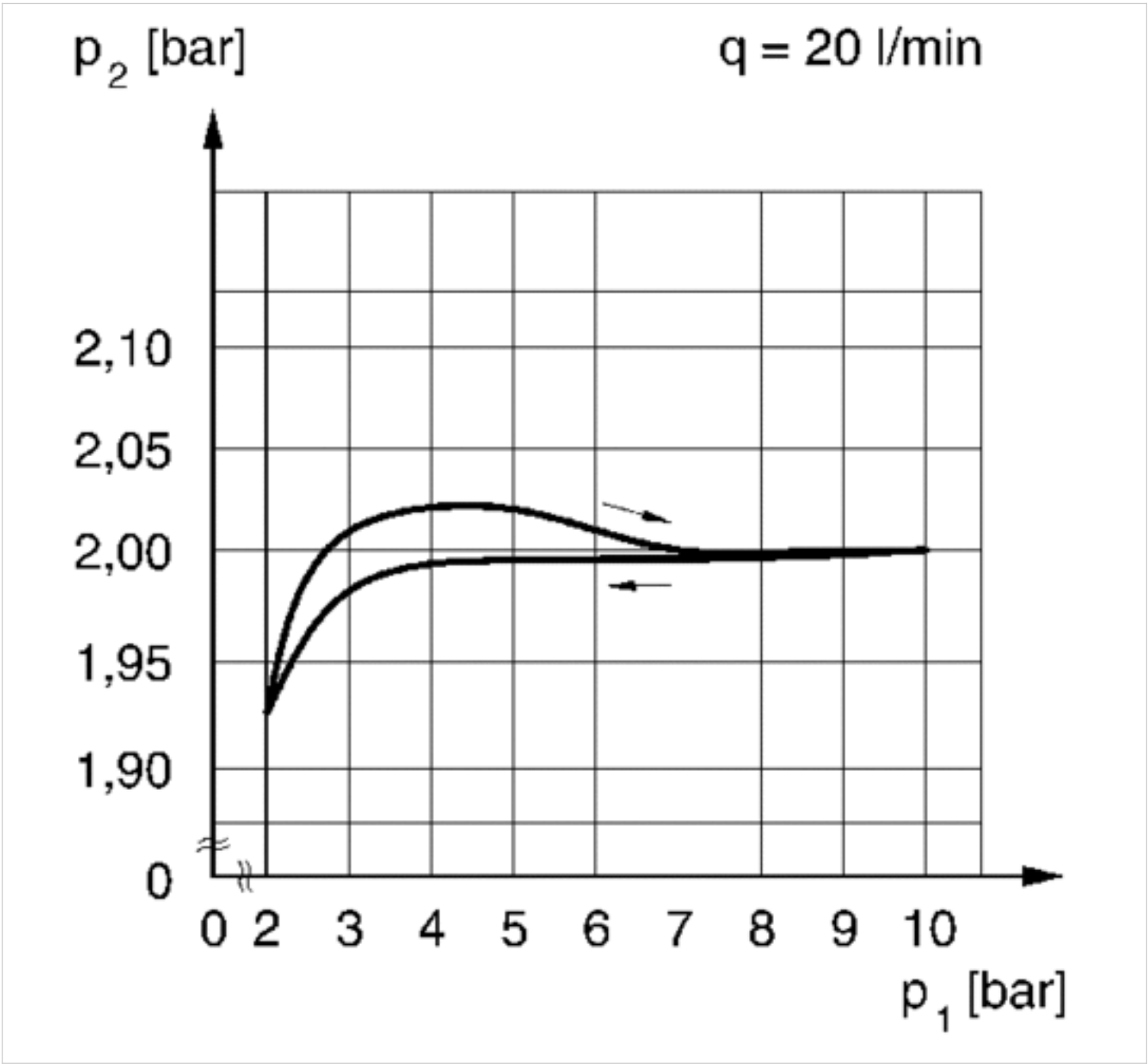
A1 = input
A2 = output

Dimensions in mm

A1	A2	B	C	D	E	H	H1	I	I1	J	K	L	M	T2	V	W1
G 1/4	G 1/4	60	120	96	216	48	40	M5	M6	60	37	8	2	6	7	42.5

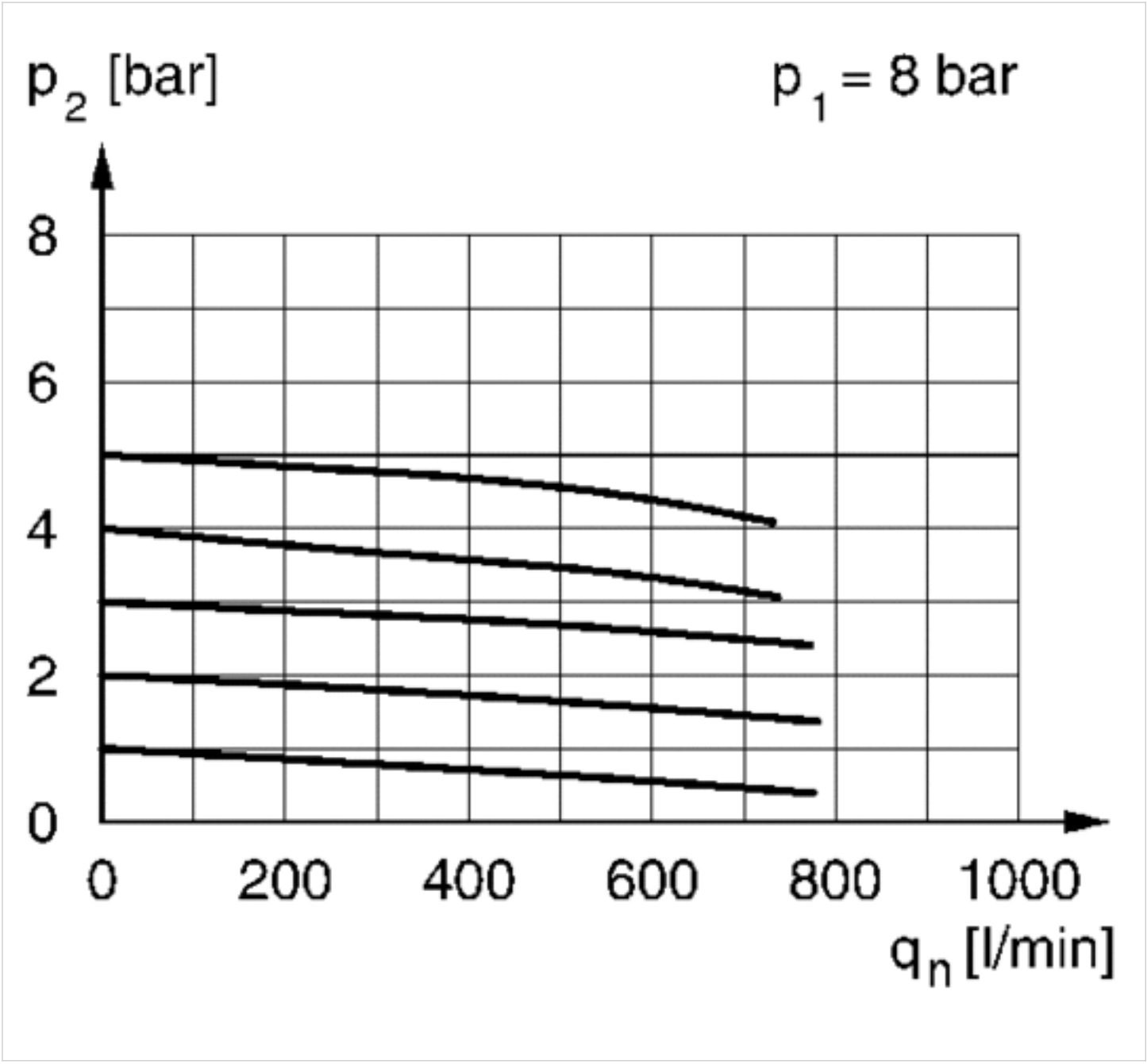
Diagrams

Pressure characteristics curve



p1 = working pressure
p2 = secondary pressure
q = flow rate

Flow rate characteristic, p2 = 0,2 - 5 bar



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

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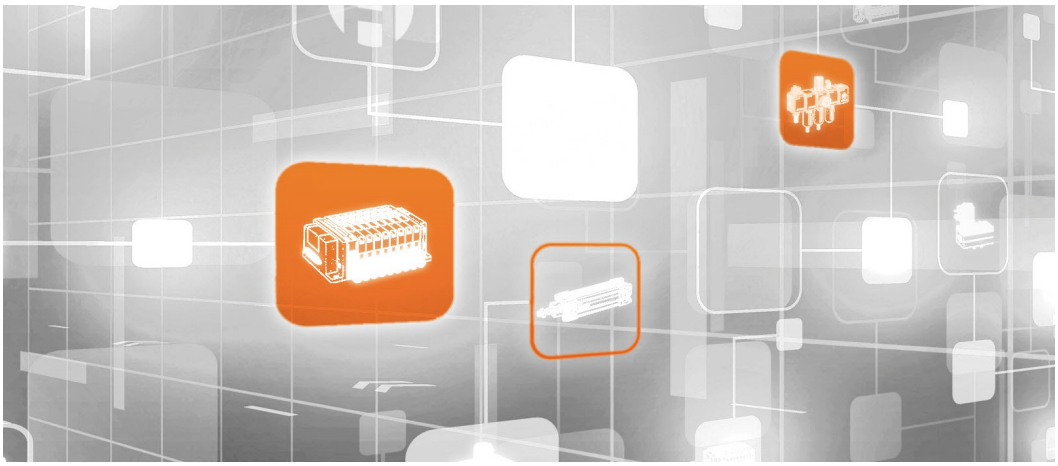

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