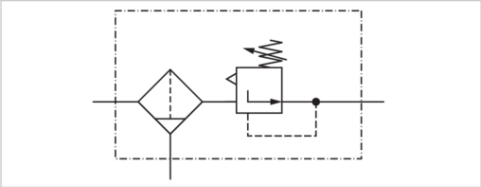
Filter pressure regulator, Series NL6-FRE

- G 1
- filter porosity 8 µm
- 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 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	15000 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 10 bar
Pressure supply	single
Filter reservoir volume	125 cm³
Filter element	exchangeable
Condensate drain	fully automatic, open without pressure
Max. Internal air consumption	0,5 l/min
Weight	See table below

Technical data

Part No.	Port	filter porosity	Flow Qn	Condensate drain
0821300885	G 1	8 µm	15000 l/min	fully automatic, open without pressure
0821300865	G 1	8 µm	15000 l/min	fully automatic, open without pressure

Part No.	Reservoir	Weight
0821300885	Polycarbonate	2,18 kg
0821300865	Die cast zinc	2,48 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar

Order pressure gauge separately, Suitable for use in Ex zones 1, 2, 21, 22., Metal protective guard can be retrofitted for all polycarbonate reservoirs

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
Suitable for use in Ex zones 1, 2, 21, 22.
Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".
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.
The rear pressure gauge connection on the pressure regulator is closed with a blanking plug, the front connection is open. Depending on the customer application, a second blanking plug may be necessary. Please order separately (see accessories).
Mounting: mounting bracket 1821336017 / block assembly kit 1827009593

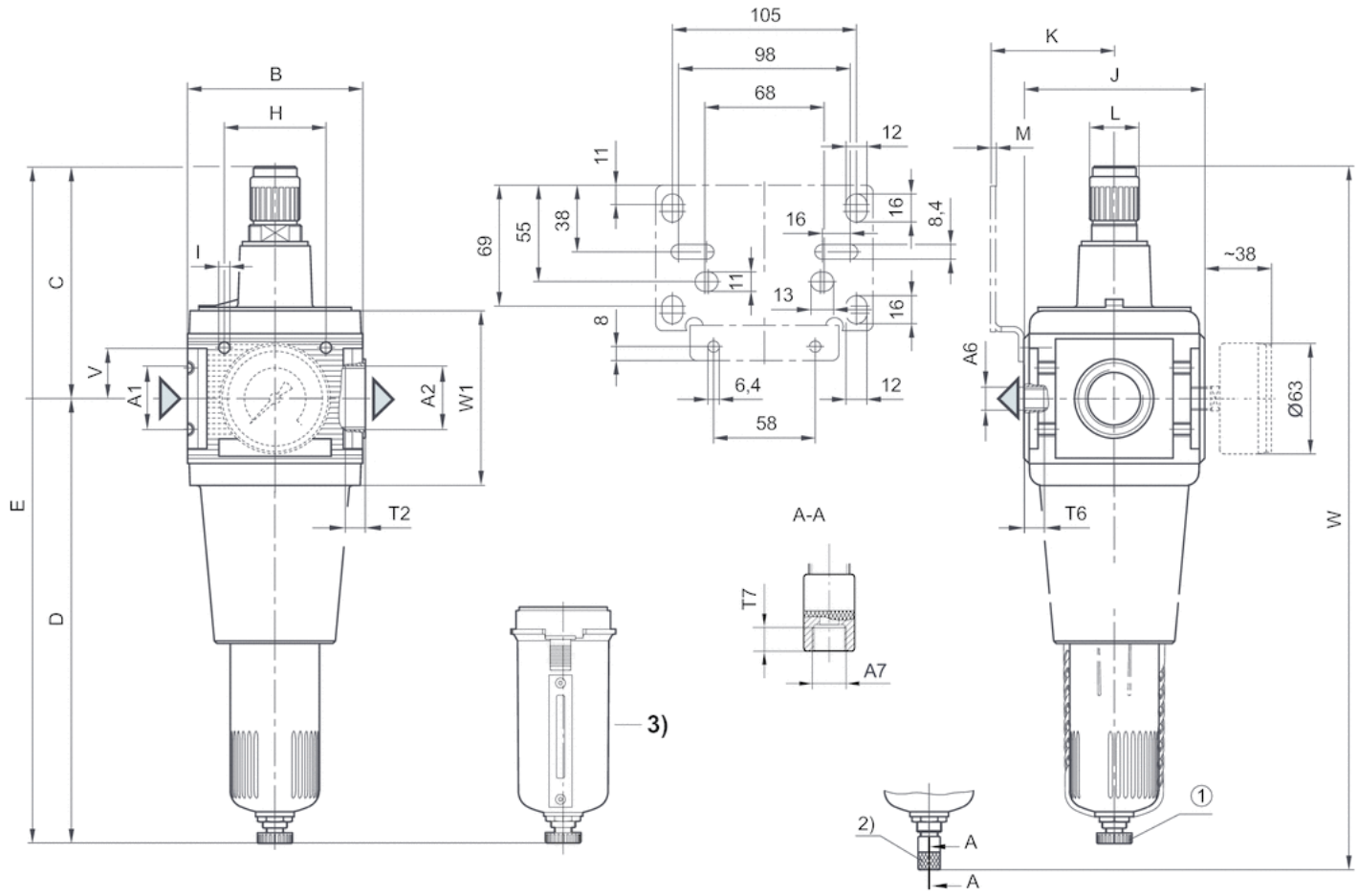
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

Technical information

Material	
Housing	Die-cast aluminum
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Reservoir	Polycarbonate Die cast zinc
Filter insert	Polyethylene

Dimensions

Dimensions



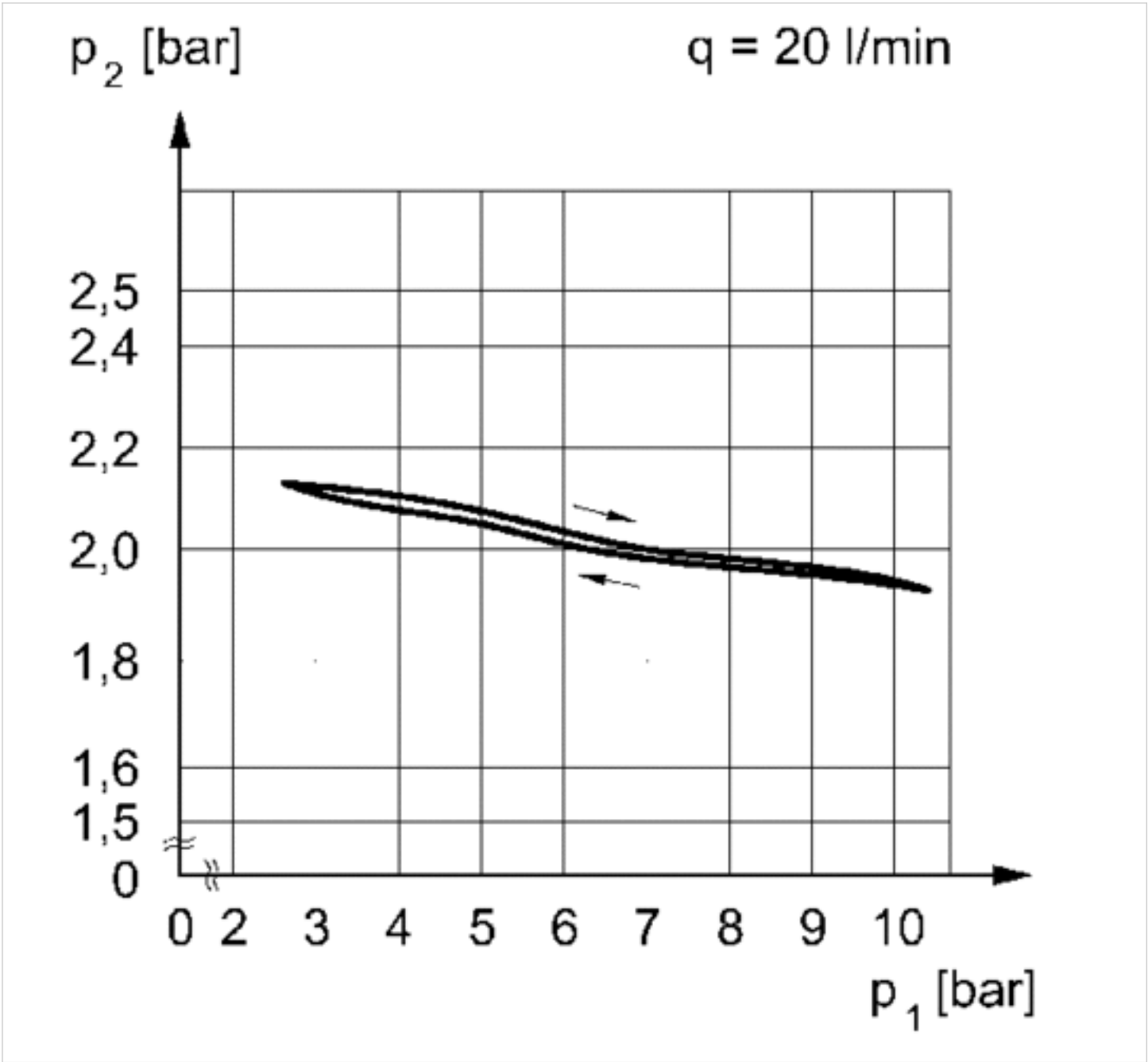
A1 = input
A2 = output
A6 = output
A7 = condensate drain
1) Semi-automatic condensate drain
2) fully automatic condensate drain
3) Metal reservoir with level indicator

Dimensions in mm

A1	A2	A6	A7	B	C	D	E	H	I	J	K	L	M	T2	T6	T7	V	W	W1
G 1	G 1	G 1/4	G 1/8	100	132	253	385	58	M6	103	70.5	28	3	18	7	8.5	29	397	101.5

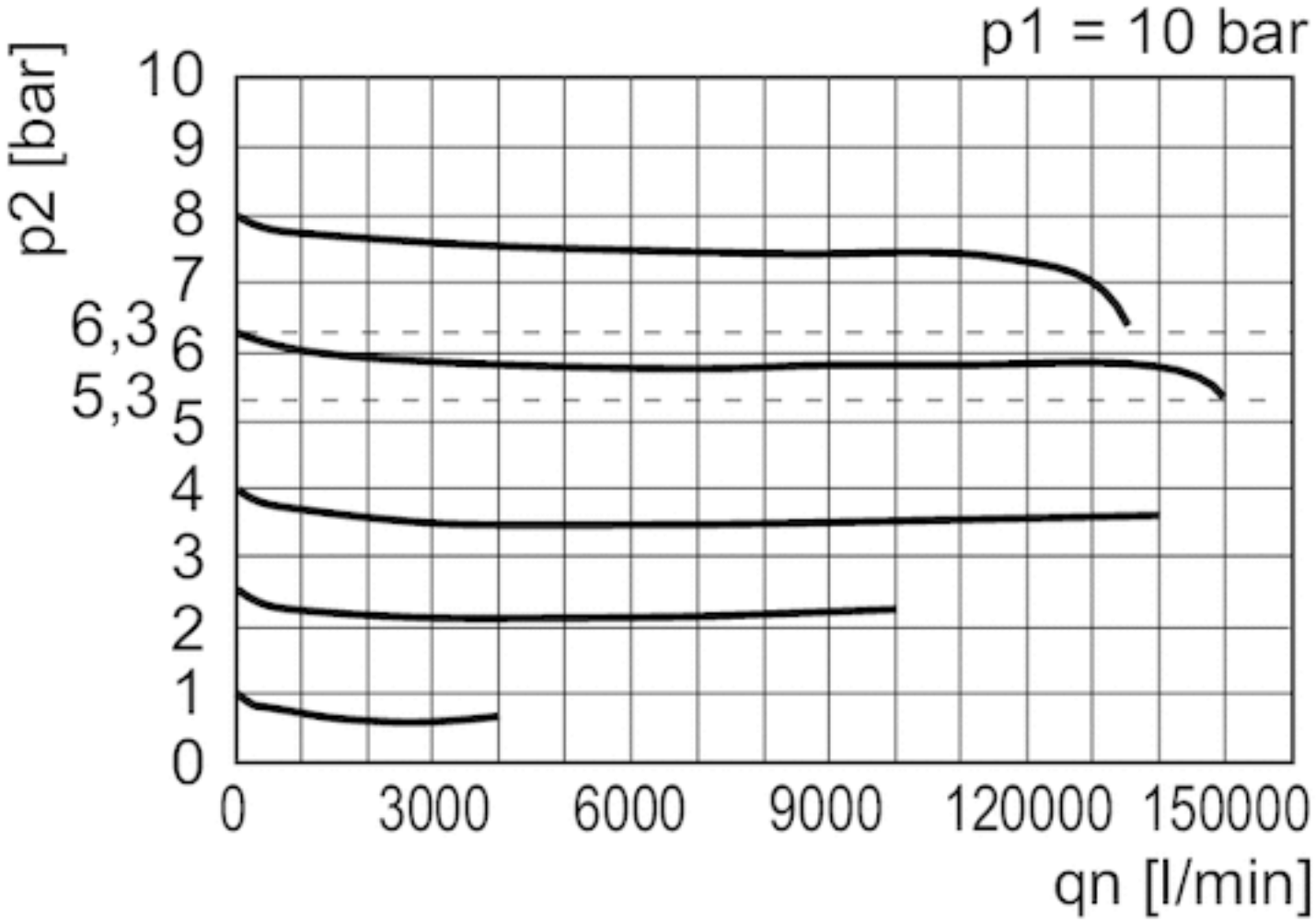
Diagrams

Pressure characteristics curve



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

Flow rate characteristic



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

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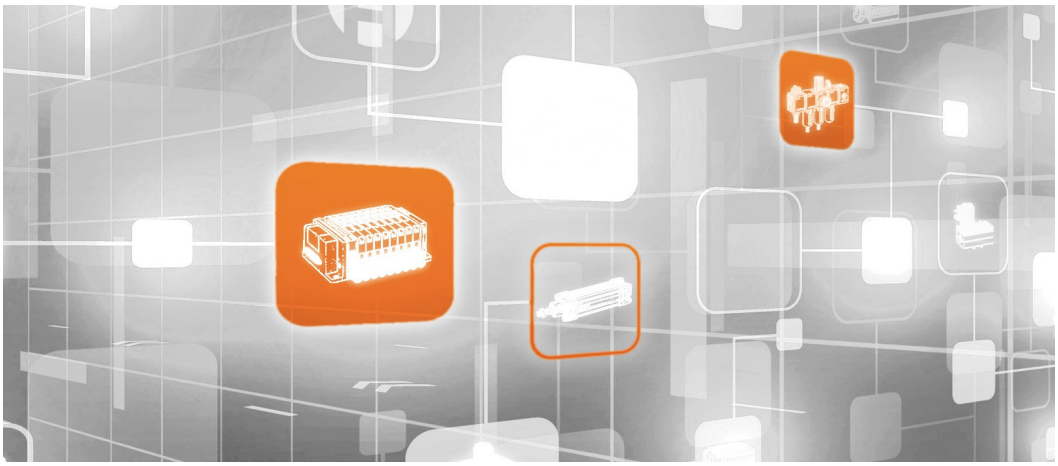

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