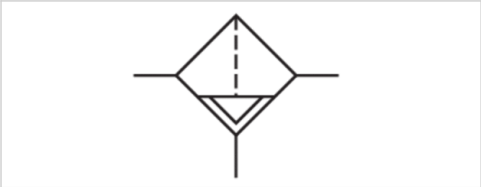
Pre-filter, Series NL4-FLP

- G 1/4 G 1/2
- filter porosity 0,3 µm



Type	Pre-filter, Can be assembled into blocks
Parts	Pre-filter
Mounting orientation	vertical
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
Filter reservoir volume	25 cm³
Filter element	exchangeable
filter porosity	0,3 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain
0821303302	G 1/4	1000 l/min	fully automatic, open without pressure
0821303303	G 1/4	2500 l/min	fully automatic, open without pressure
0821303515	G 1/2	2500 l/min	fully automatic, open without pressure
0821303529	G 1/2	1000 l/min	semi-automatic, open without pressure

Part No.	Version	ATEX	Weight
0821303302	Metal reservoir without window	-	0,482 kg
0821303303	reservoir, metal, long, without inspection glass	-	0,886 kg
0821303515	reservoir, metal, long, without inspection glass	suitable for ATEX	1,29 kg
0821303529	reservoir, polycarbonate, without protective guard	suitable for ATEX	0,798 kg

Part No.	
0821303302	-
0821303303	-
0821303515	1)
0821303529	1)

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

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

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".
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.

Recommended pre-filtering 5 µm

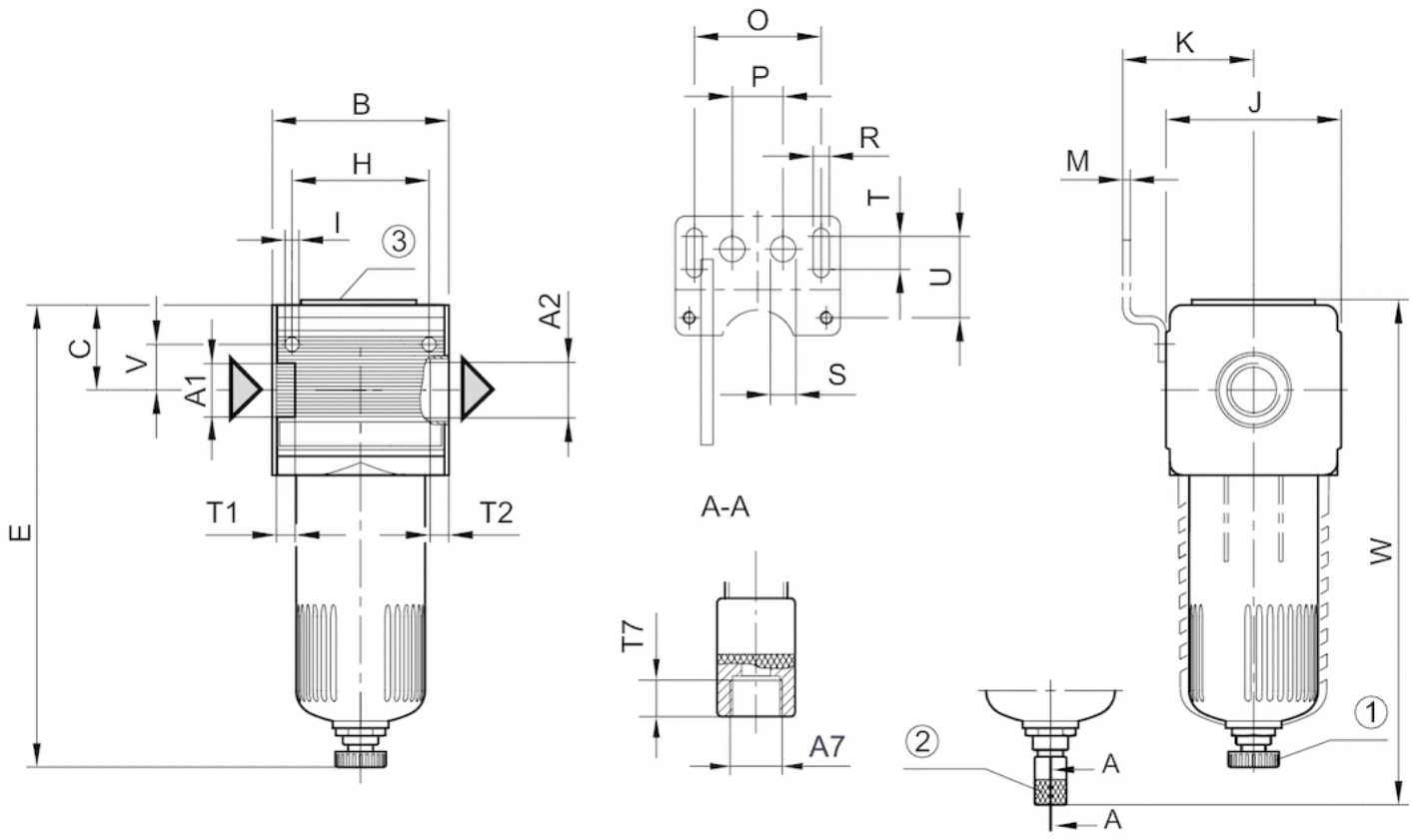
Max. achievable compressed air class acc. to ISO 8573-1:2010 2 : - : 3

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Reservoir	Die cast zinc Polycarbonate
Filter insert	Impregnated paper

Dimensions

Dimensions



A1 = input
A2 = output
A7 = condensate drain
1) semi-automatic condensate drain
2) fully automatic condensate drain
3) differential pressure gauge connection

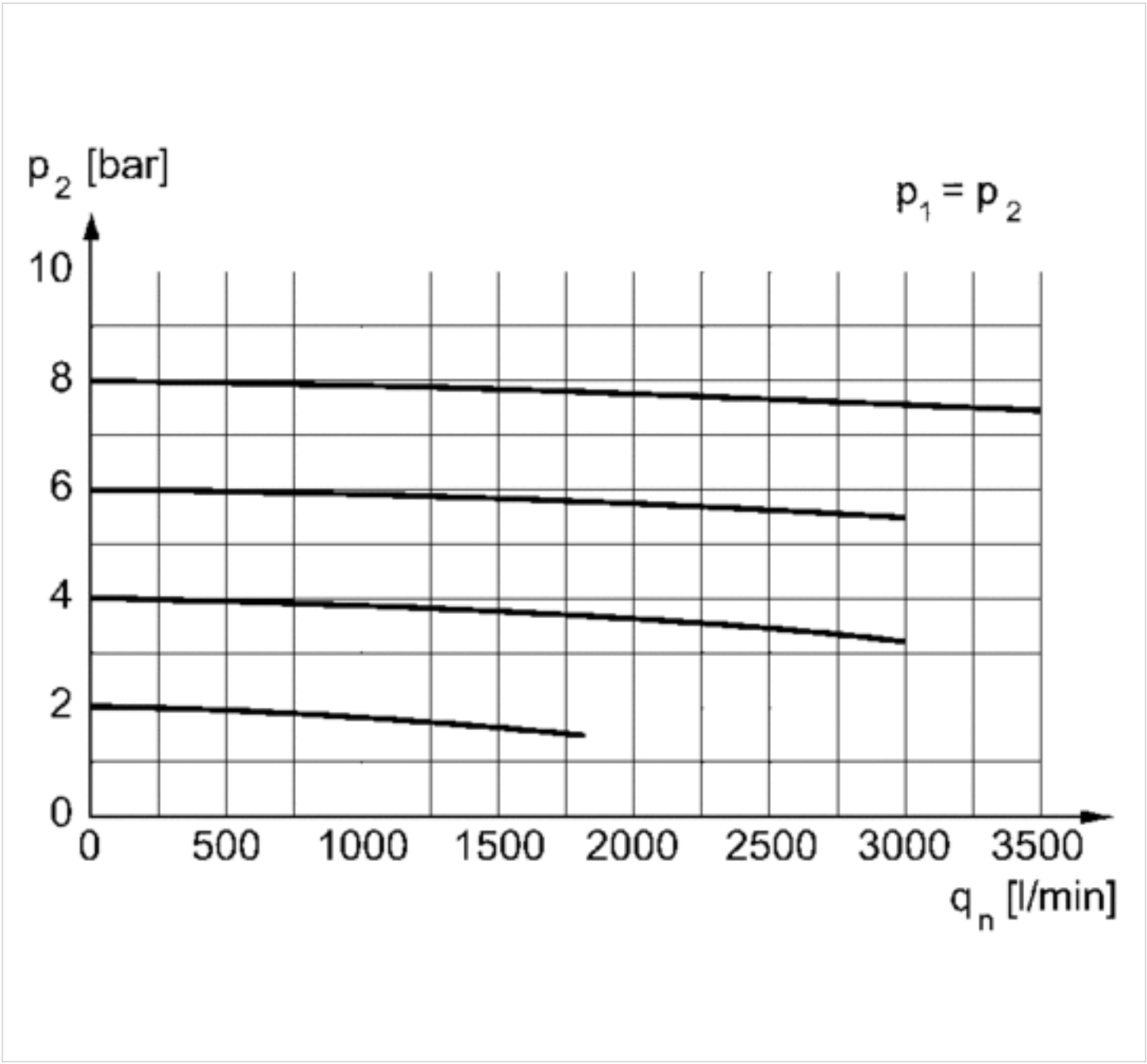
Dimensions in mm

A1	A2	A7	B	C	E	H	I	J	K	M	O	P	R	S	T	T1	T2	T7	U	V	W
G 1/4	G 1/4	G 1/8	69.6	38.5	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	203
G 1/4	G 1/4	G 1/8	69.6	38.5	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	232

A1	A2	A7	B	C	E	H	I	J	K	M	O	P	R	S	T	T1	T2	T7	U	V	W
G 1/2	G 1/2	G 1/8	69.6	38.5	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	317
G 1/2	G 1/2	G 1/8	69.6	38.5	185	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	–

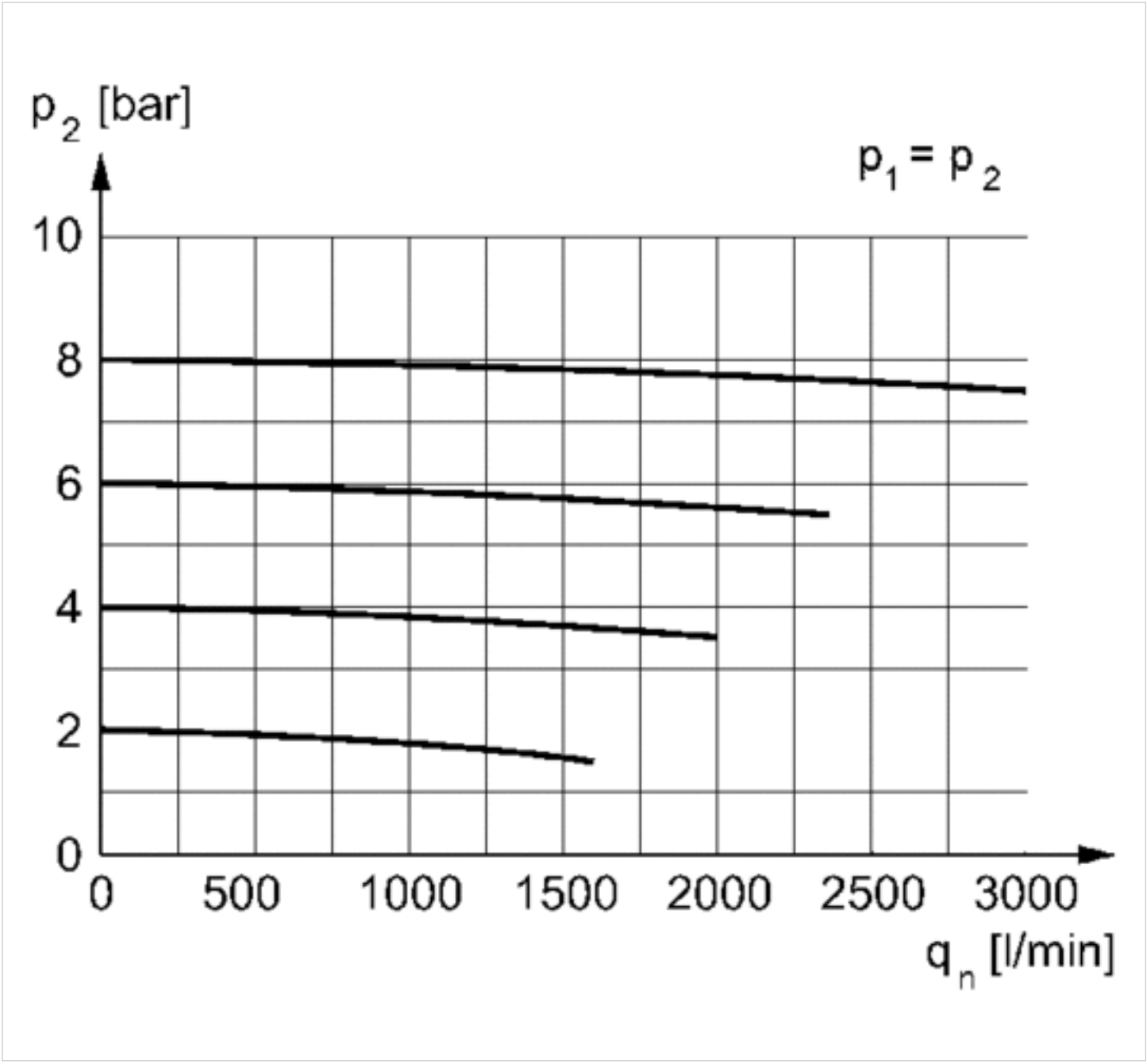
Diagrams

Flow rate characteristic, Fig. 1



p2 = secondary pressure
qn = nominal flow

Flow rate characteristic, Fig. 2



p2 = secondary pressure
qn = nominal flow

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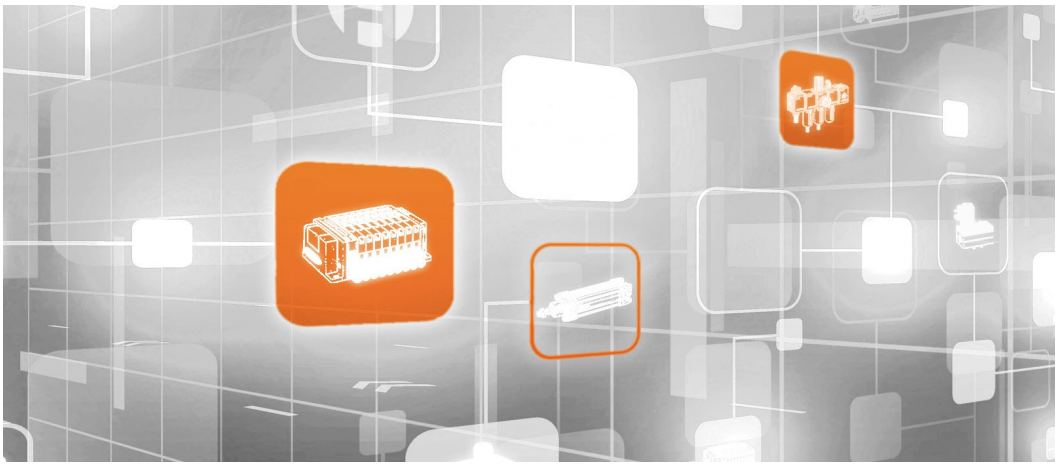

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