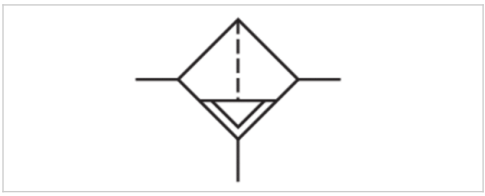
Microfilter, Series NL4-FLC

- G 1/4 G 1/2
- filter porosity 0,01 µm



Type	Microfilter, Can be assembled into blocks
Parts	Microfilter
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	0,01 µm
Condensate drain	See table below
Weight	See table below

Technical data

Part No.	Port	Flow Qn	Condensate drain
0821303418	G 1/4	720 l/min	fully automatic, open without pressure
0821303419	G 1/4	720 l/min	fully automatic, open without pressure
0821303514	G 1/2	720 l/min	semi-automatic, open without pressure
0821303516	G 1/2	1200 l/min	fully automatic, open without pressure
R412010794	G 1/2	720 l/min	semi-automatic, open without pressure
R412010795	G 1/2	720 l/min	semi-automatic, open without pressure
0821303571	G 1/2	720 l/min	fully automatic, open without pressure
R412010796	G 1/2	720 l/min	fully automatic, open without pressure
R412010797	G 1/2	720 l/min	fully automatic, open without pressure

Part No.	Version	ATEX
0821303418	reservoir, metal, with inspection glass	-
0821303419	Metal reservoir without window	-
0821303514	reservoir, polycarbonate, without protective guard	suitable for ATEX
0821303516	reservoir, metal, with inspection glass	suitable for ATEX
R412010794	reservoir, polycarbonate, with metal protective guard	suitable for ATEX
R412010795	reservoir, metal, with inspection glass	suitable for ATEX
0821303571	reservoir, polycarbonate, without protective guard	suitable for ATEX
R412010796	reservoir, polycarbonate, with metal protective guard	suitable for ATEX
R412010797	reservoir, metal, with inspection glass	suitable for ATEX

Part No.	Weight	
0821303418	0,886 kg	-
0821303419	0,886 kg	-
0821303514	1,23 kg	1)
0821303516	1,63 kg	1)
R412010794	1,23 kg	1)
R412010795	1,23 kg	1)
0821303571	1,29 kg	1)
R412010796	1,29 kg	1)
R412010797	1,29 kg	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 0,3 µm

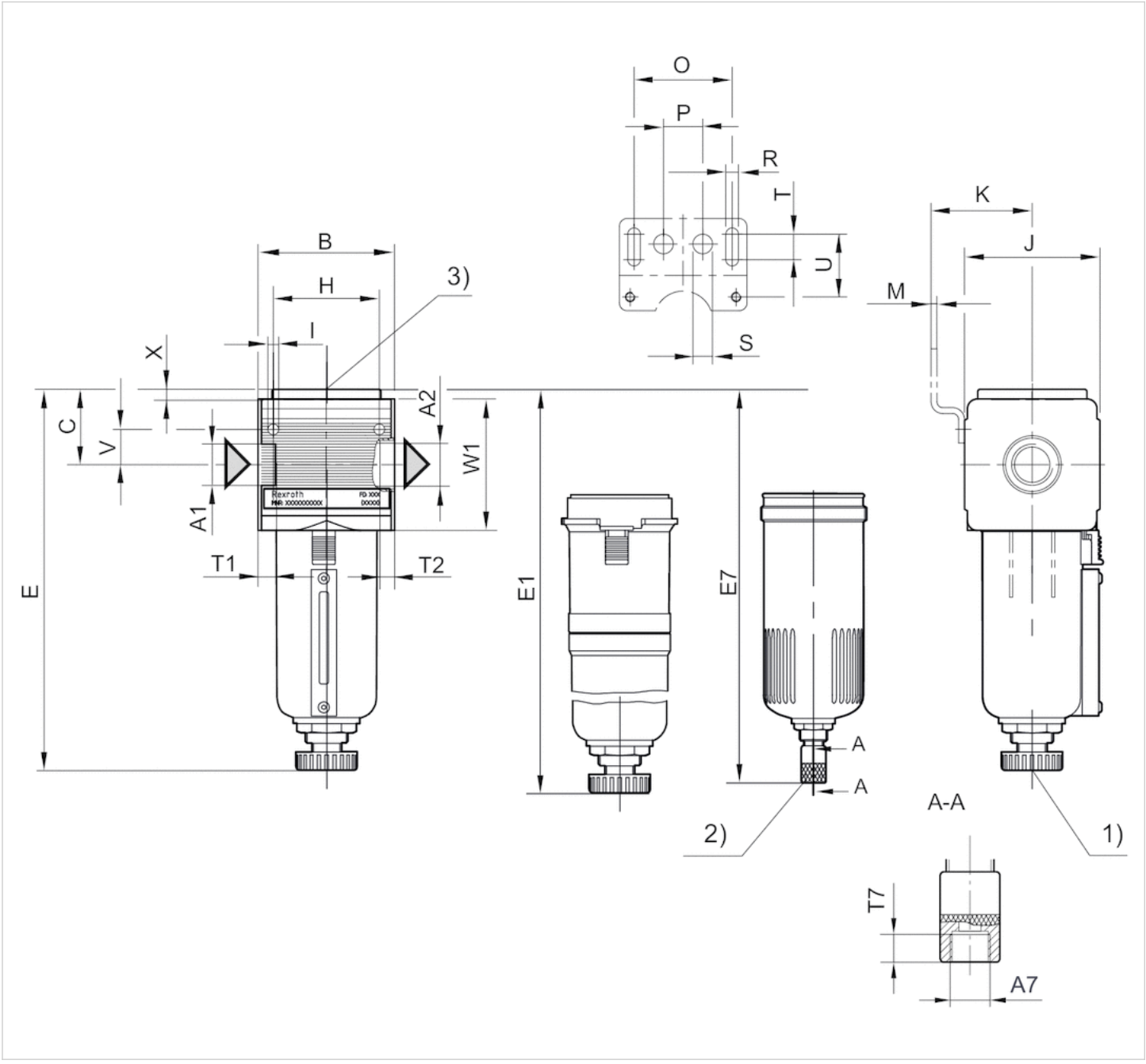
Max. achievable compressed air class acc. to ISO 8573-1:2010 1 : - : 2

Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Die cast zinc Polycarbonate
Protective guard	Steel
Filter insert	Borosilicate glass fiber

Dimensions

Dimensions



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

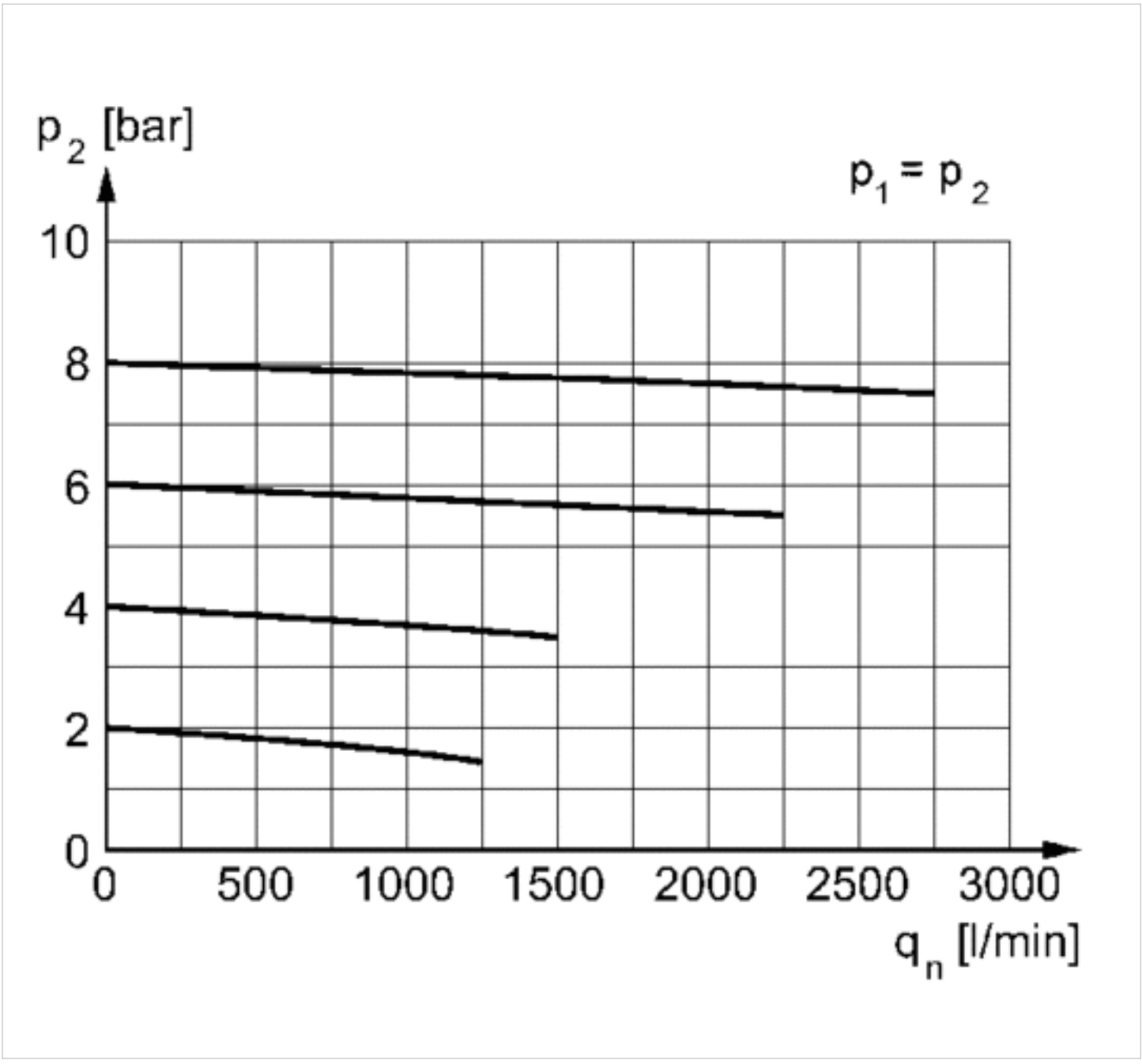
Dimensions in mm

A1	A2	A7	B	C	E	E1	E7	H	I	J	K	M	O	P	R	S	T	T1	T2	T7	U	V	W1	X
G 1/4	G 1/4	G 1/8	69.6	38.5	202	–	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	5
G 1/4	G 1/4	G 1/8	69.6	–	–	249	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	–

A1	A2	A7	B	C	E	E1	E7	H	I	J	K	M	O	P	R	S	T	T1	T2	T7	U	V	W1	X
G 1/2	G 1/2	G 1/8	69.6	39.5	186	–	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	–
G 1/2	G 1/2	G 1/8	69.6	38.5	–	335	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	5
G 1/2	G 1/2	G 1/8	69.6	38.5	–	186	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	–
G 1/2	G 1/2	G 1/8	69.6	38.5	186	–	–	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	–
G 1/2	G 1/2	G 1/8	69.6	38.5	–	–	201	54	5.5	69	54.5	3	50	20	6.4	10	13	13	13	8.5	33	18	67	–

Diagrams

Flow rate characteristic



p2 = secondary pressure
qn = nominal flow

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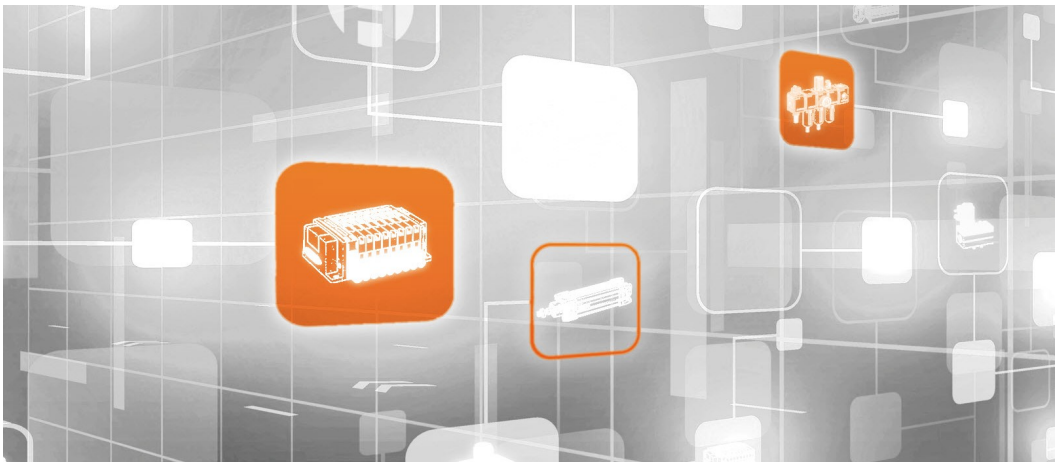

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