

# Pre-filter, Series NL2-FLP

- G 1/4
- filter porosity 0,3 µm
- suitable for ATEX



Type	Pre-filter, Can be assembled into blocks
Parts	Pre-filter
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	2 ... 16 bar
Ambient temperature min./max.	-10 ... 60 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air Neutral gases
Filter reservoir volume	10 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	Weight
0821303308	G 1/4	380 l/min	semi-automatic, open without pressure	0,45 kg
0821303309	G 1/4	380 l/min	fully automatic, open without pressure	0,45 kg
R412010785	G 1/4	380 l/min	fully automatic, open without pressure	0,48 kg

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

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

Recommended pre-filtering 5 µm

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

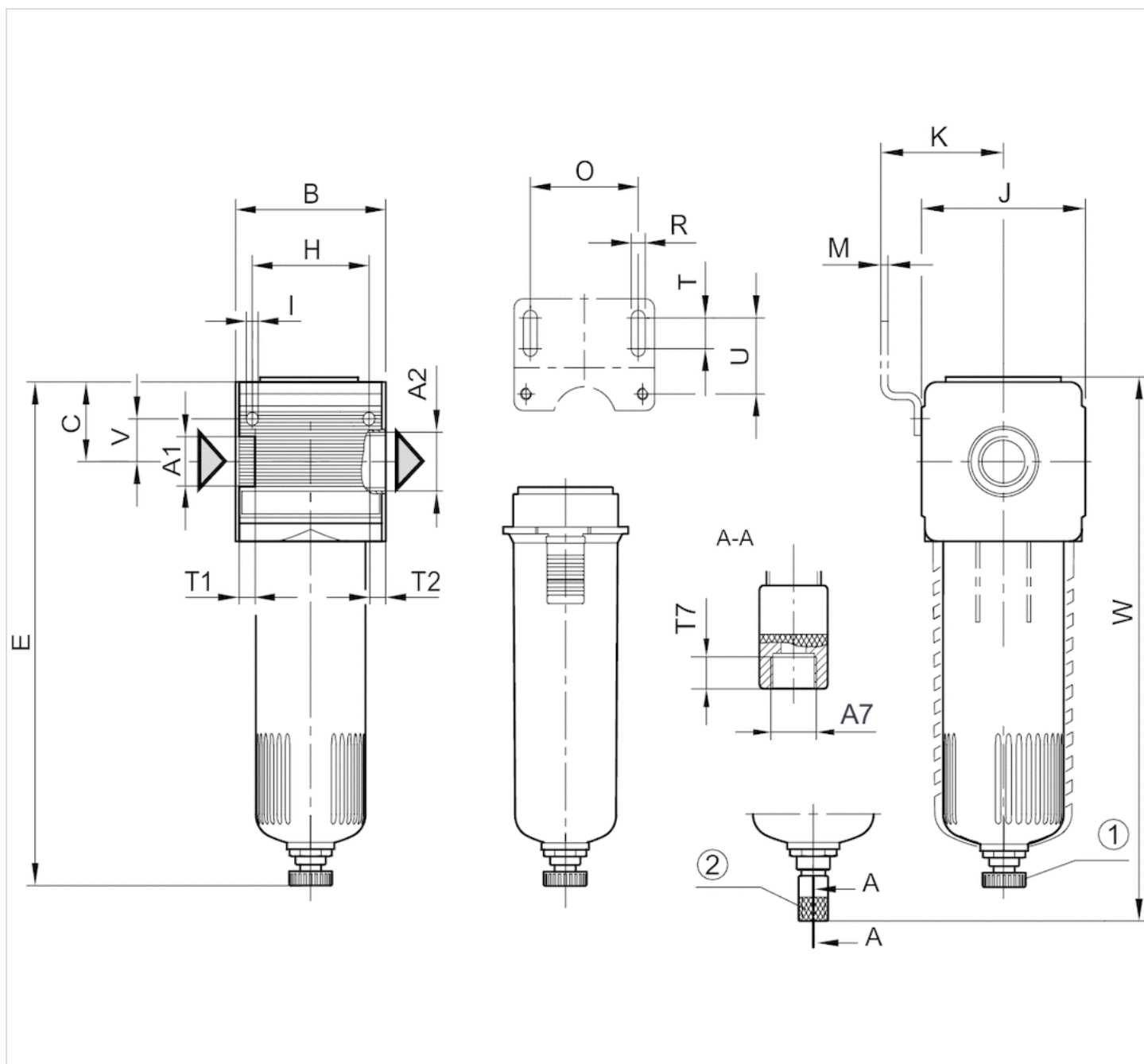
## Technical information

Material	
Housing	Die cast zinc
Front plate	Acrylonitrile butadiene styrene

Material	
Seals	Acrylonitrile butadiene rubber
Reservoir	Polycarbonate Die cast zinc
Filter insert	Impregnated paper

## Dimensions

### Dimensions



A1 = input

A2 = output

A7 = condensate drain

1) Semi-automatic condensate drain

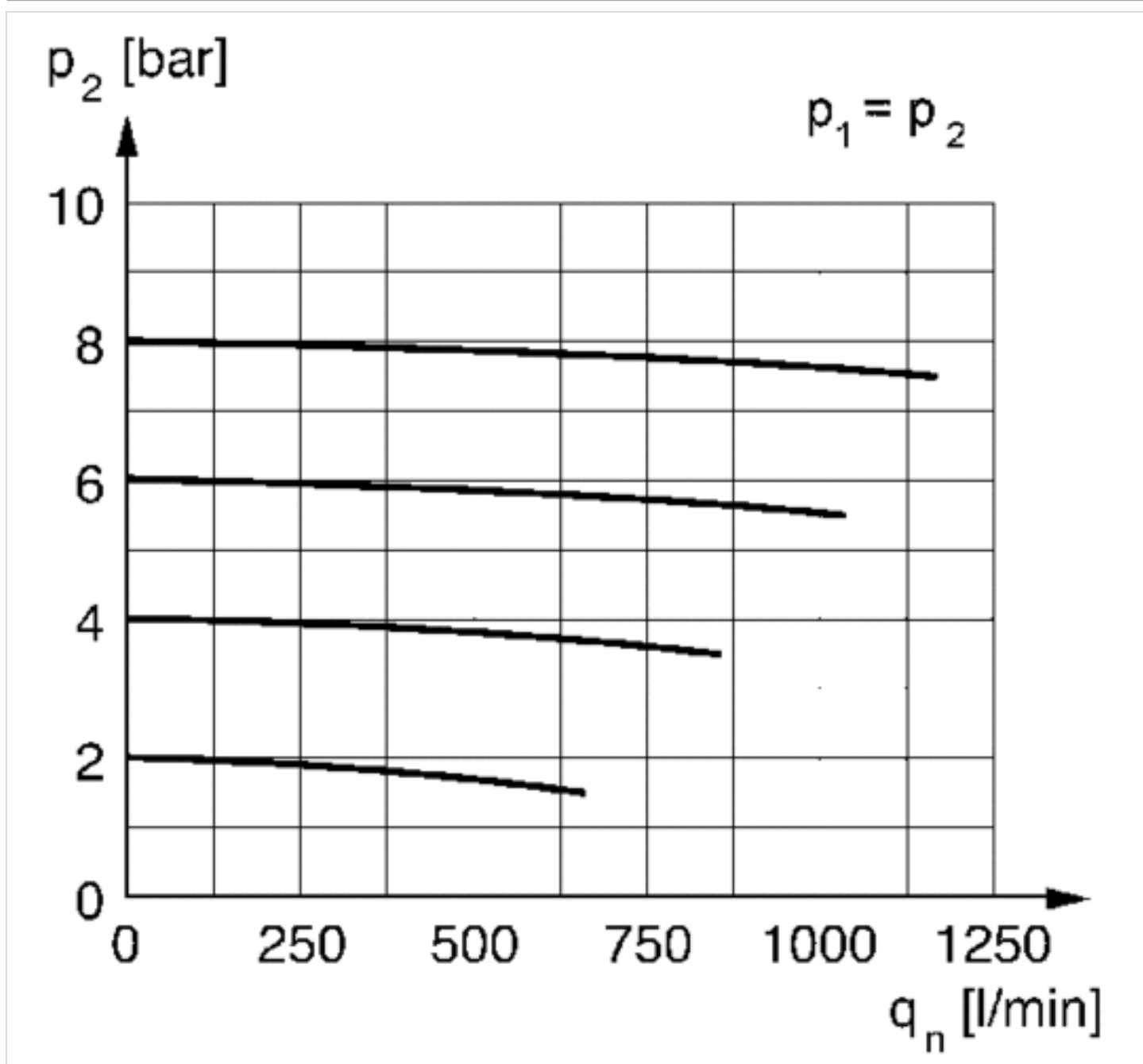
2) fully automatic condensate drain

## Dimensions in mm

A1	A2	A7	B	C	E	H	I	J	K	M	O	R	T	T1	T2	T7	U	V	W
G 1/4	G 1/4	G 1/8	48	27.5	152	36	4.4	47	43.5	3	38	5.4	8	9.5	9.5	8.5	27.5	12.3	—
G 1/4	G 1/4	G 1/8	48	27.5	—	36	4.4	47	43.5	3	38	5.4	8	9.5	9.5	8.5	27.5	12.3	168

## Diagrams

## Flow rate characteristic



$p_2$  = secondary pressure  
 $q_n$  = nominal flow