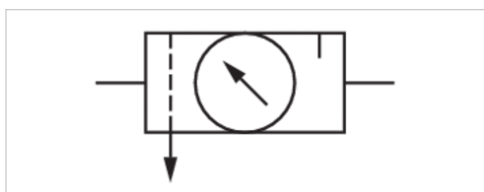


# Air preparation unit, 2-part, Series NL6-ACD

- G 1
- filter porosity 40 µm
- with pressure gauge
- suitable for ATEX



Type	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
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	13500 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	semi-automatic, open without pressure
Lubricator reservoir volume	450 cm³
Type of filling	Manual oil filling
Max. Internal air consumption	0,5 l/min
Weight	See table below

## Technical data

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
0821300877	G 1	40 µm	13500 l/min	semi-automatic, open without pressure
0821300878	G 1	40 µm	13500 l/min	semi-automatic, open without pressure

Part No.	Pressure gauge	Protective guard	Weight
0821300877	with pressure gauge	-	3,83 kg
0821300878	with pressure gauge	Steel	3,93 kg

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

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.

Oil dosing at 1000 l/min 1-2 drops

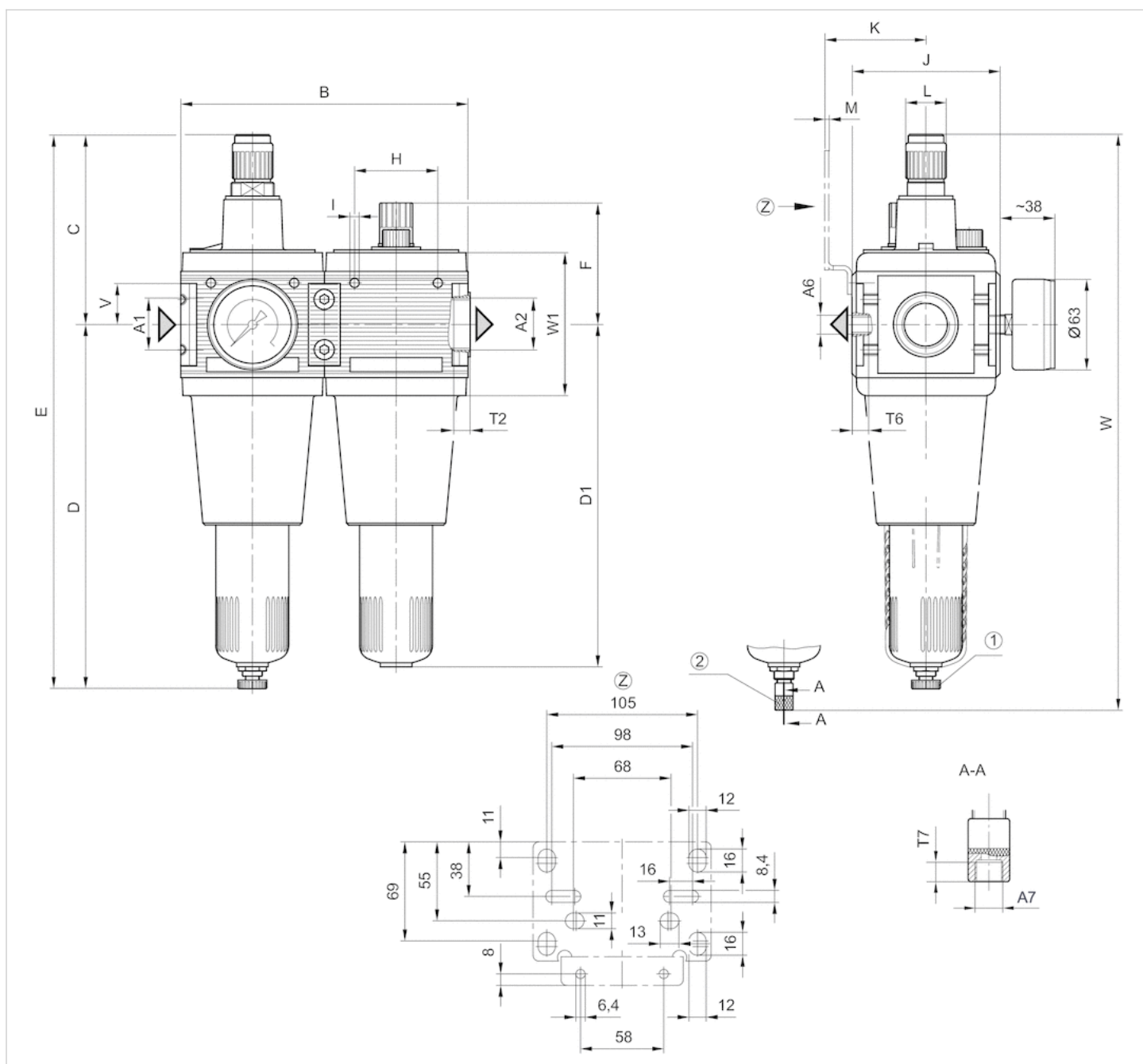
Max. achievable compressed air class acc. to ISO 8573-1:2010 7 : 7 : -

## Technical information

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

## Dimensions

### Dimensions



A1 = input

A2 = output

A6 = output

1) Semi-automatic condensate drain

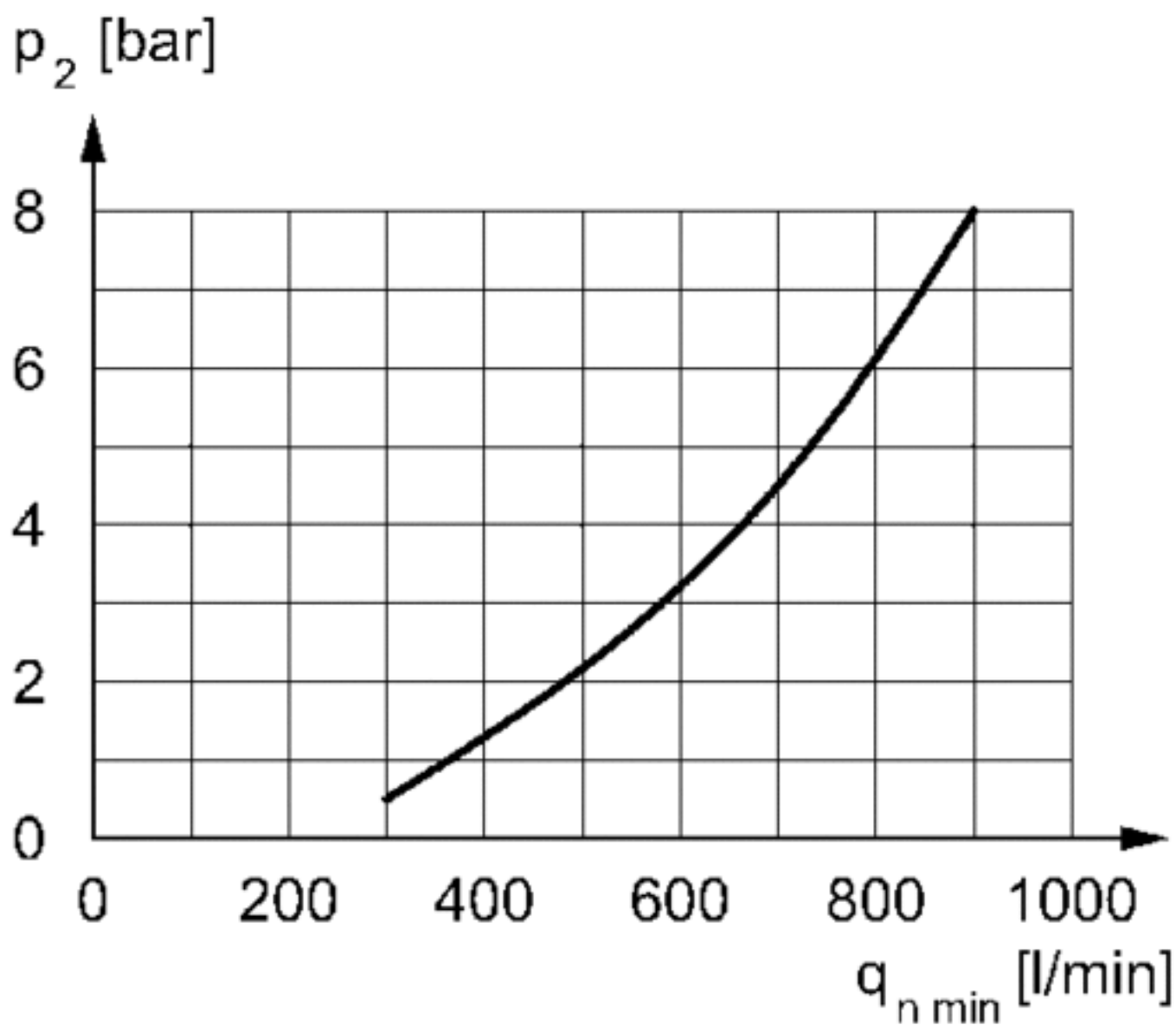
2) fully automatic condensate drain

### Dimensions in mm

A1	A2	A6	A7	B	C	D	D1	E	F	H	I	J	K	L	M	T2	T6	T7	V	W	W1
G 1	G 1	G 1/4	G 1/8	200	132	253	236	385	84	58	M6	103	70.5	28	3	18	7	8.5	29	403	101.5

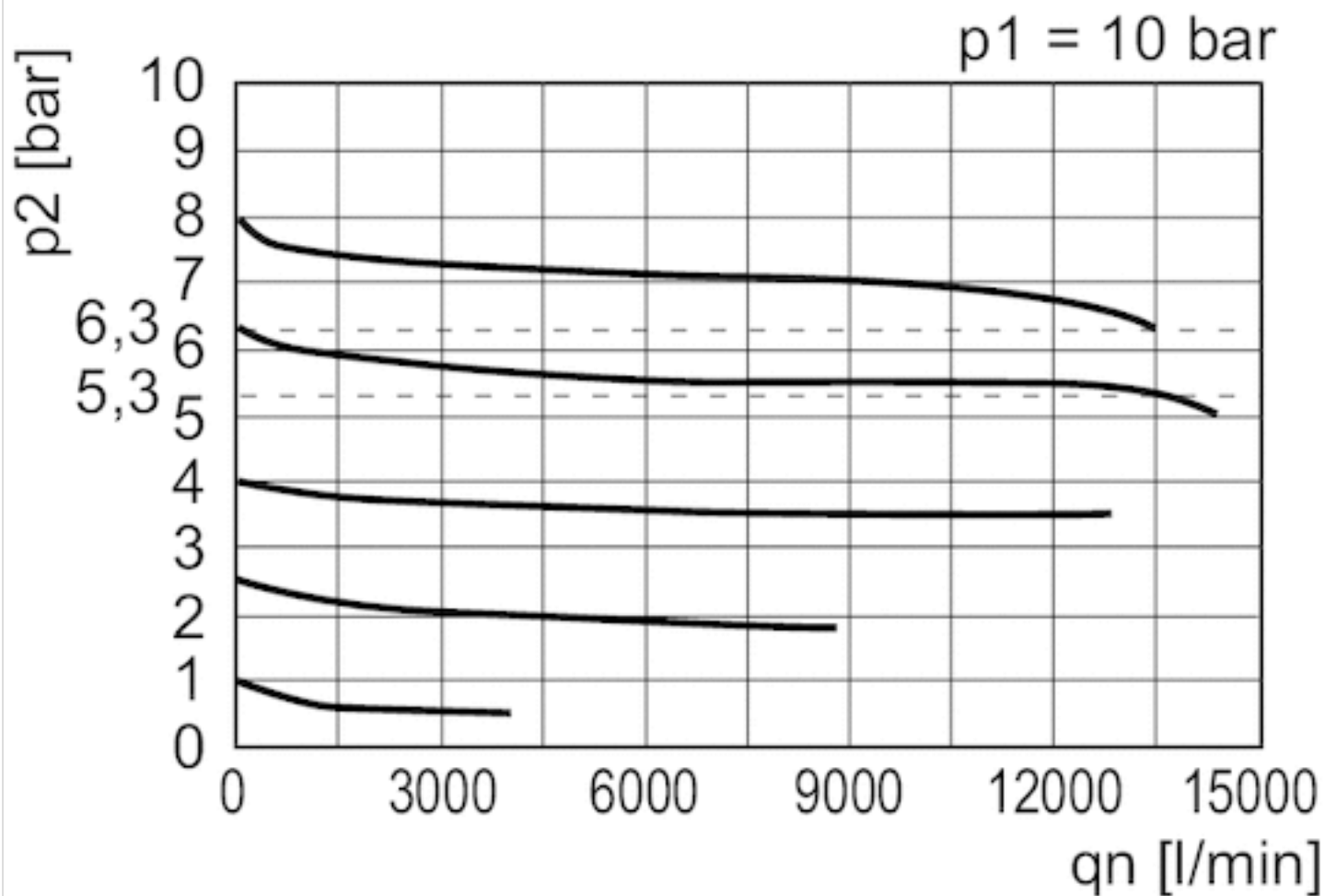
## Diagrams

minimum flow rate curve (flow rate necessary for the correct functioning of the lubricator)



$p_2$  = secondary pressure  
 $q_{n \min}$  = min. nominal flow

## Flow rate characteristic



$p_1$  = Working pressure  
 $p_2$  = Secondary pressure  
 $q_n$  = Nominal flow

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2020-12



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