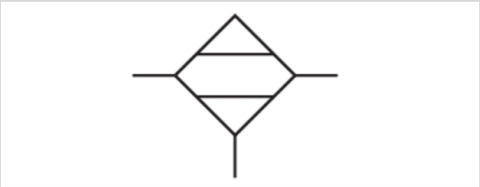


# Diaphragm-type dryer, Series AS2-ADD

- G 3/8  
- suitable for ATEX



Type	Diaphragm-type dryer
Parts	Diaphragm-type dryer
Mounting orientation	vertical
Certificates	suitable for ATEX
Working pressure min./max.	4 ... 12,5 bar
Ambient temperature min./max.	2 ... 50 °C
Medium temperature min./max.	2 ... 50 °C
Medium	Compressed air Neutral gases
Filter element	not exchangeable
Lowering pressure dew point	20 °C
Weight	See table below

## Technical data

Part No.	Port	Flow	Reservoir	Weight	Fig.	
		Qn				
R412006078	G 3/8	50 l/min	Aluminum	0,48 kg	Fig. 1	1)
R412006079	G 3/8	100 l/min	Aluminum	0,57 kg	Fig. 2	1)
R412006080	G 3/8	150 l/min	Aluminum	0,69 kg	Fig. 3	1)
R412006081	G 3/8	200 l/min	Aluminum	0,7 kg	Fig. 4	1)
R412006082	G 3/8	300 l/min	Aluminum	1,43 kg	Fig. 5	2)
R412006083	G 3/8	400 l/min	Aluminum	1,73 kg	Fig. 6	2)

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

Notice: air may not contain condensate

purge air approx. 12% of nominal flow Qn

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.

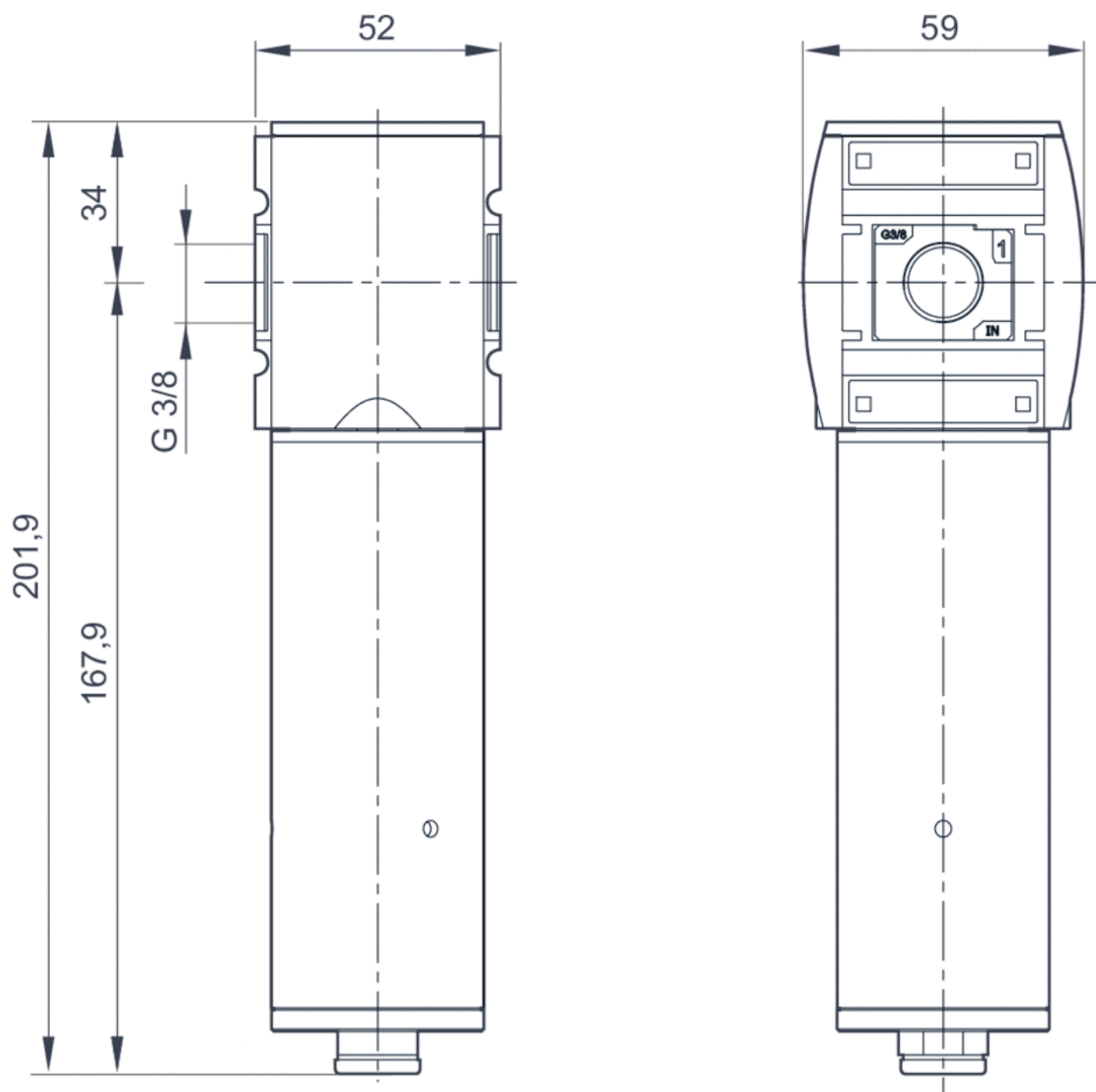
Recommended pre-filtering  $\mu\text{m}$  5 / 0,01  $\mu\text{m}$

## Technical information

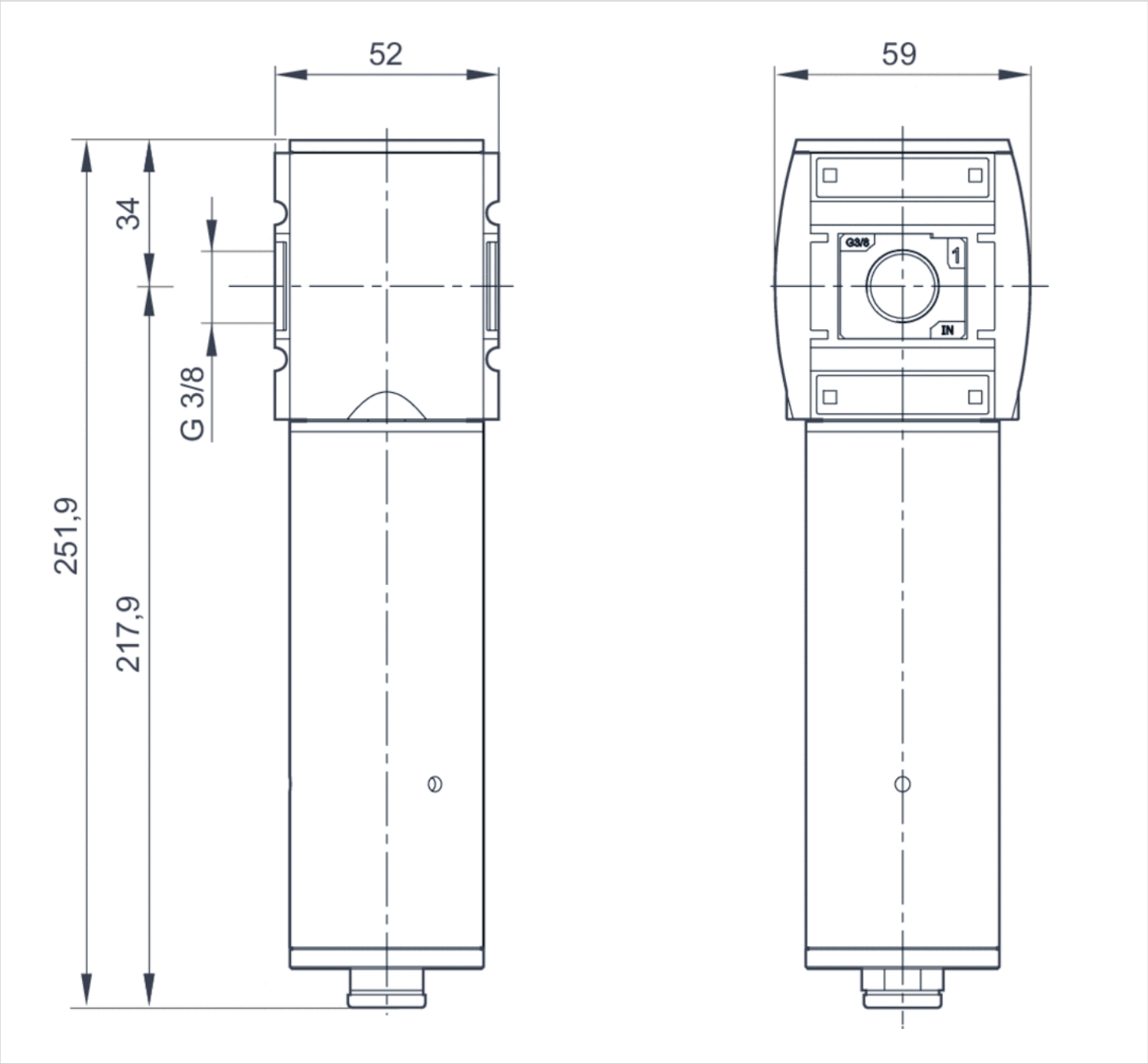
Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seal	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Aluminum

## Dimensions

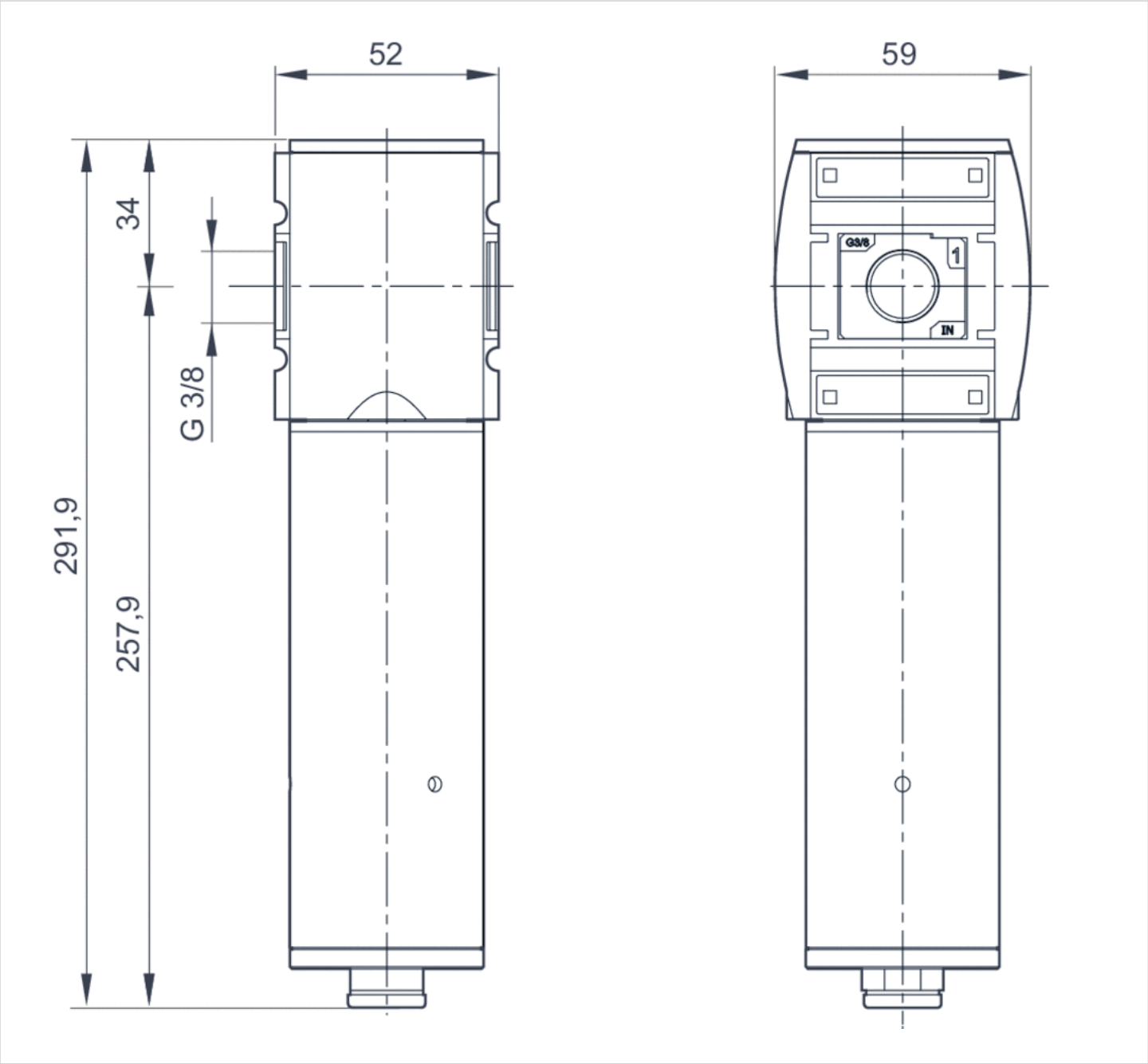
Dimensions in mm, Fig. 1



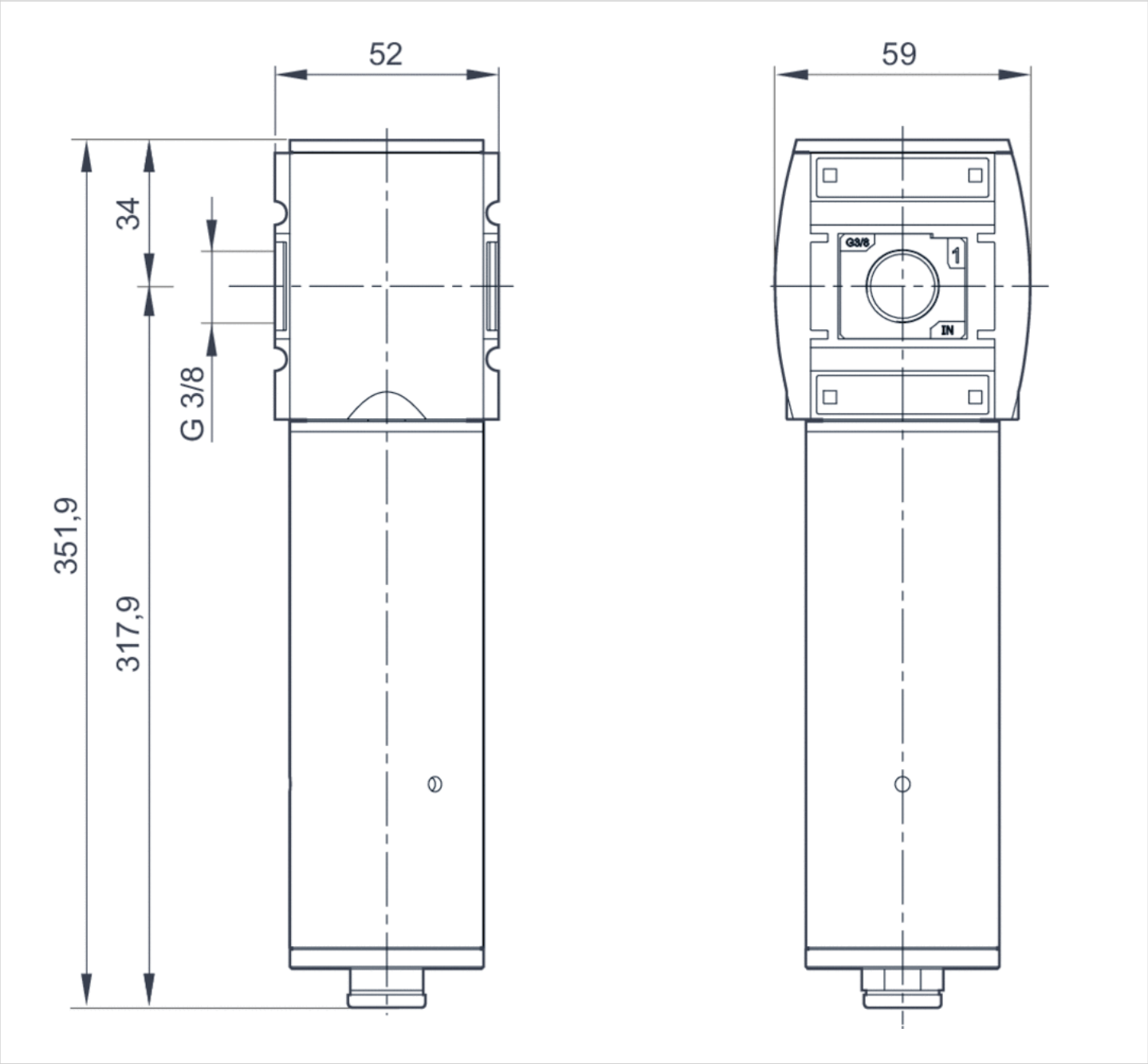
Dimensions in mm, Fig. 2



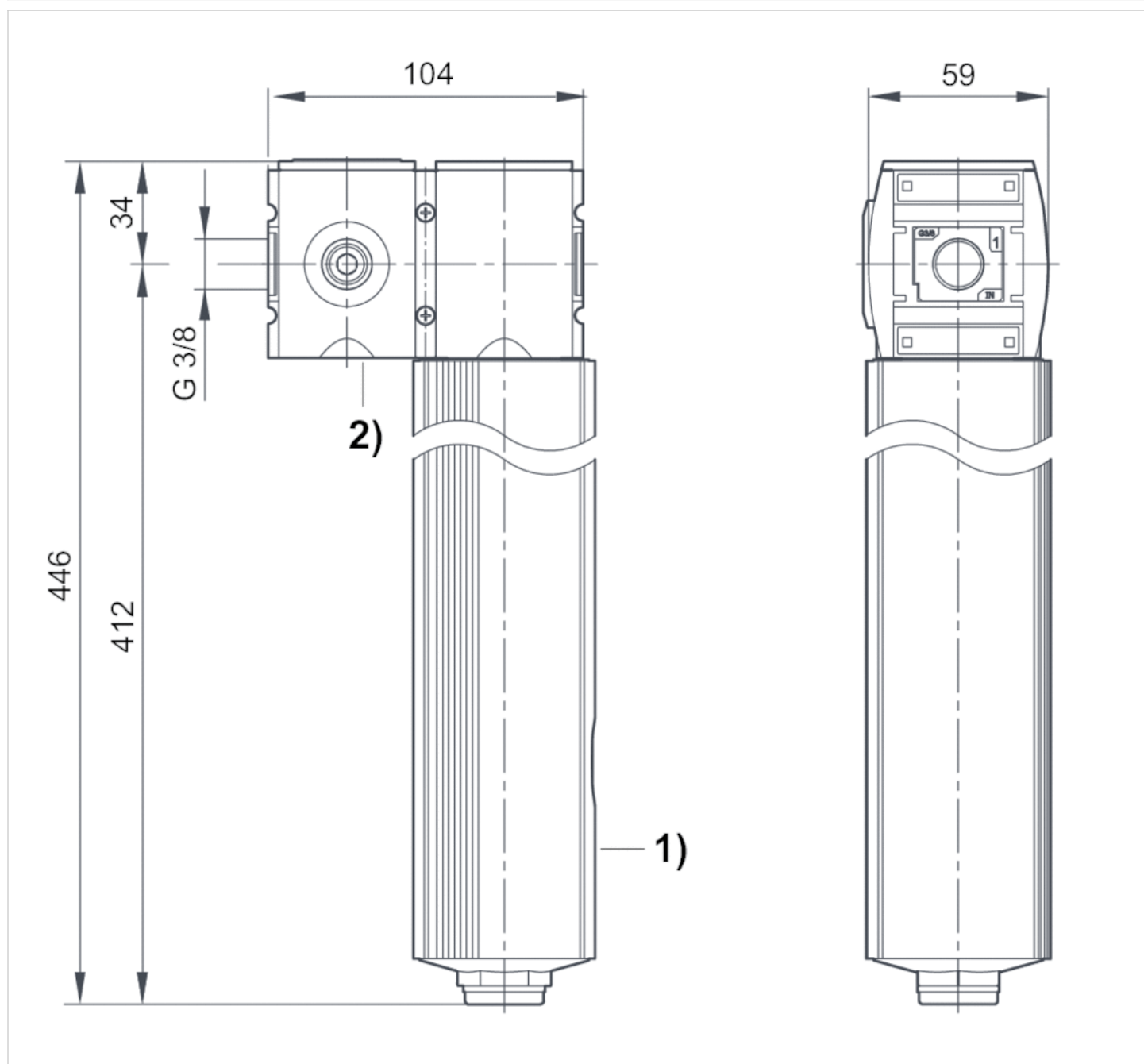
Dimensions in mm, Fig. 3



Dimensions in mm, Fig. 4

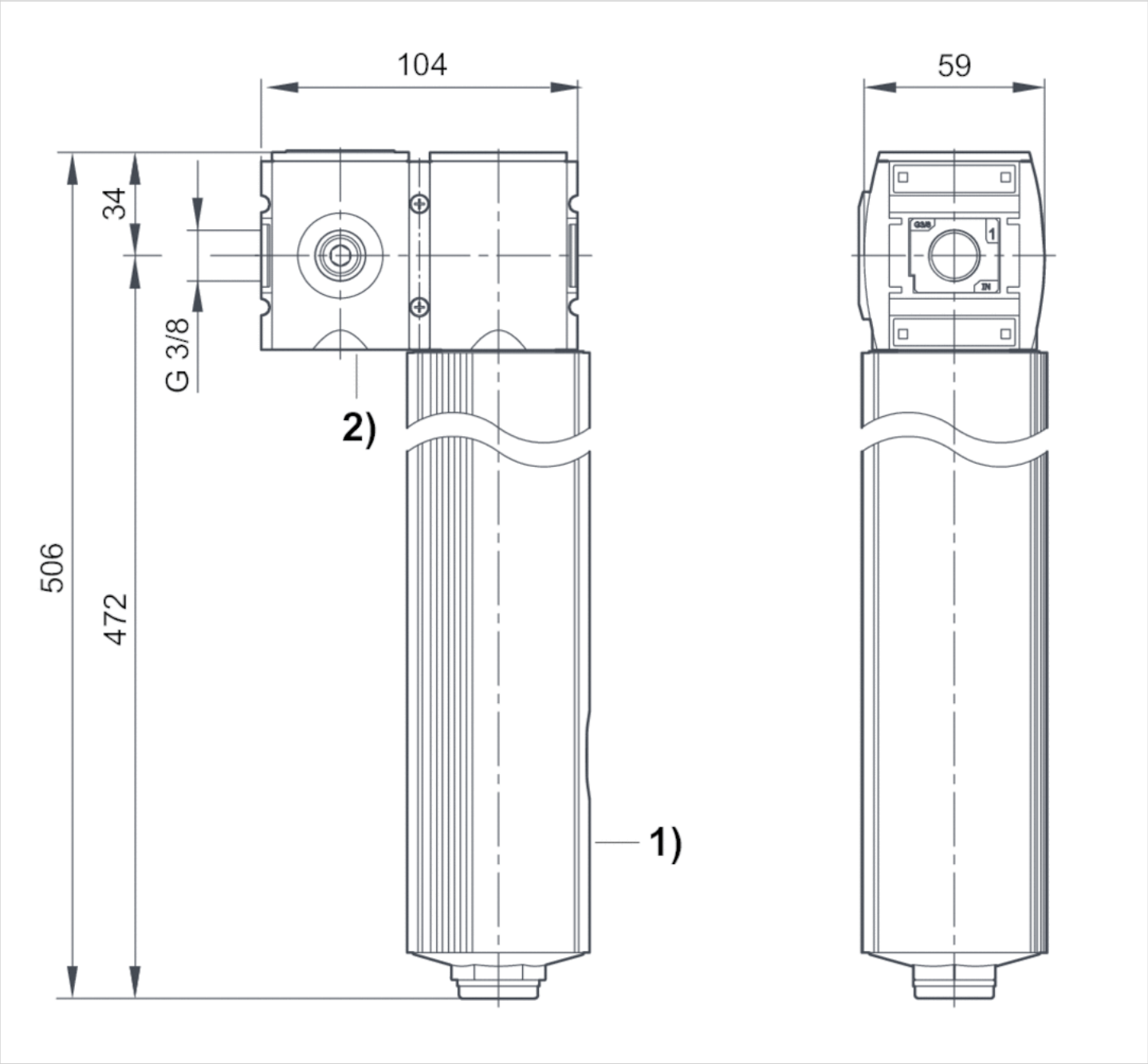


Dimensions in mm, Fig. 5



- 1) Diaphragm-type dryer  
2) Incl. second distributor

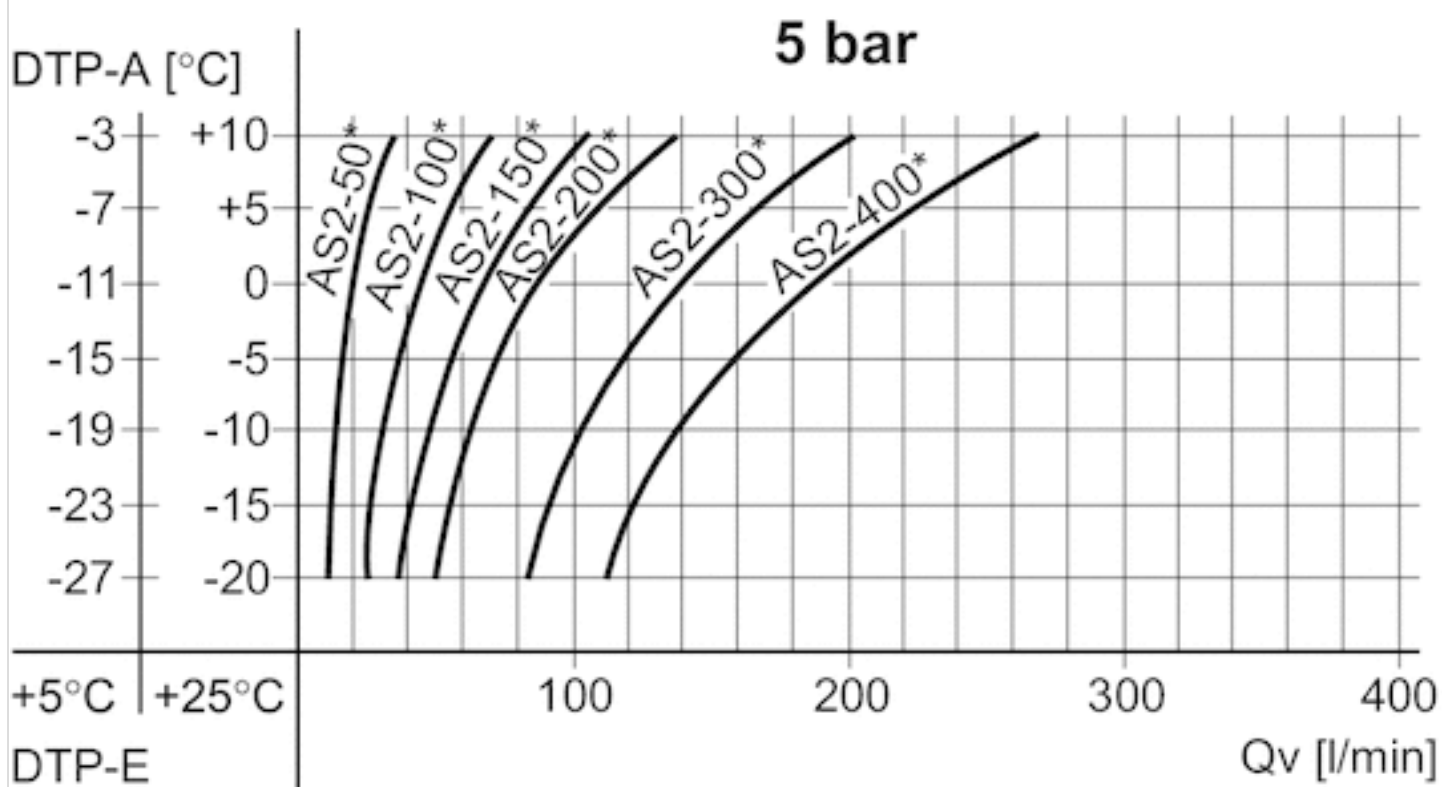
Dimensions in mm, Fig. 6



- 1) Diaphragm-type dryer
- 2) Incl. second distributor

## Diagrams

## performance charts



DTP-E: pressure dew point input

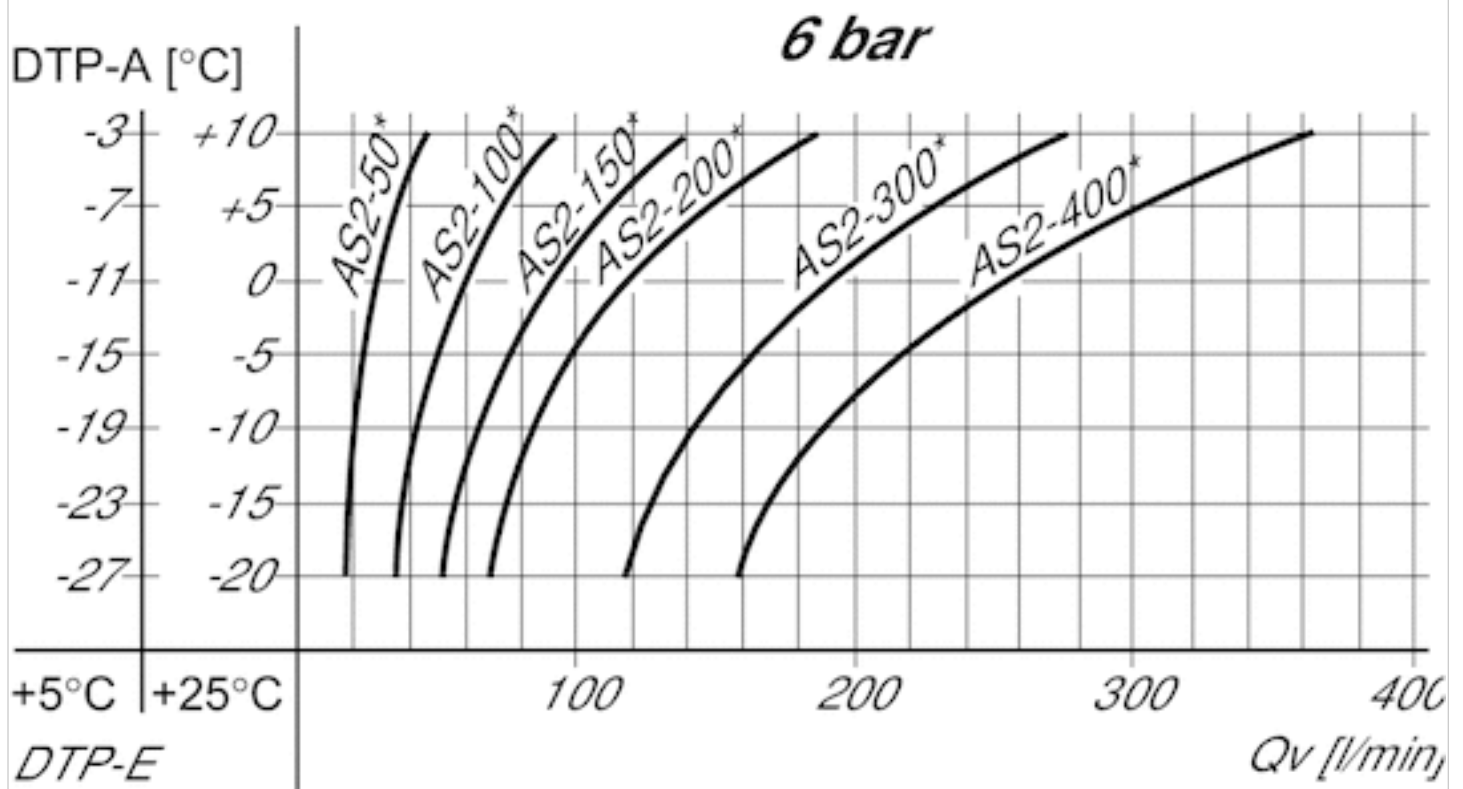
DTP-A: pressure dew point output

Qv: input flow rate (nominal flow rate Qn + purge air)

\* Nominal flow Qn



## performance charts



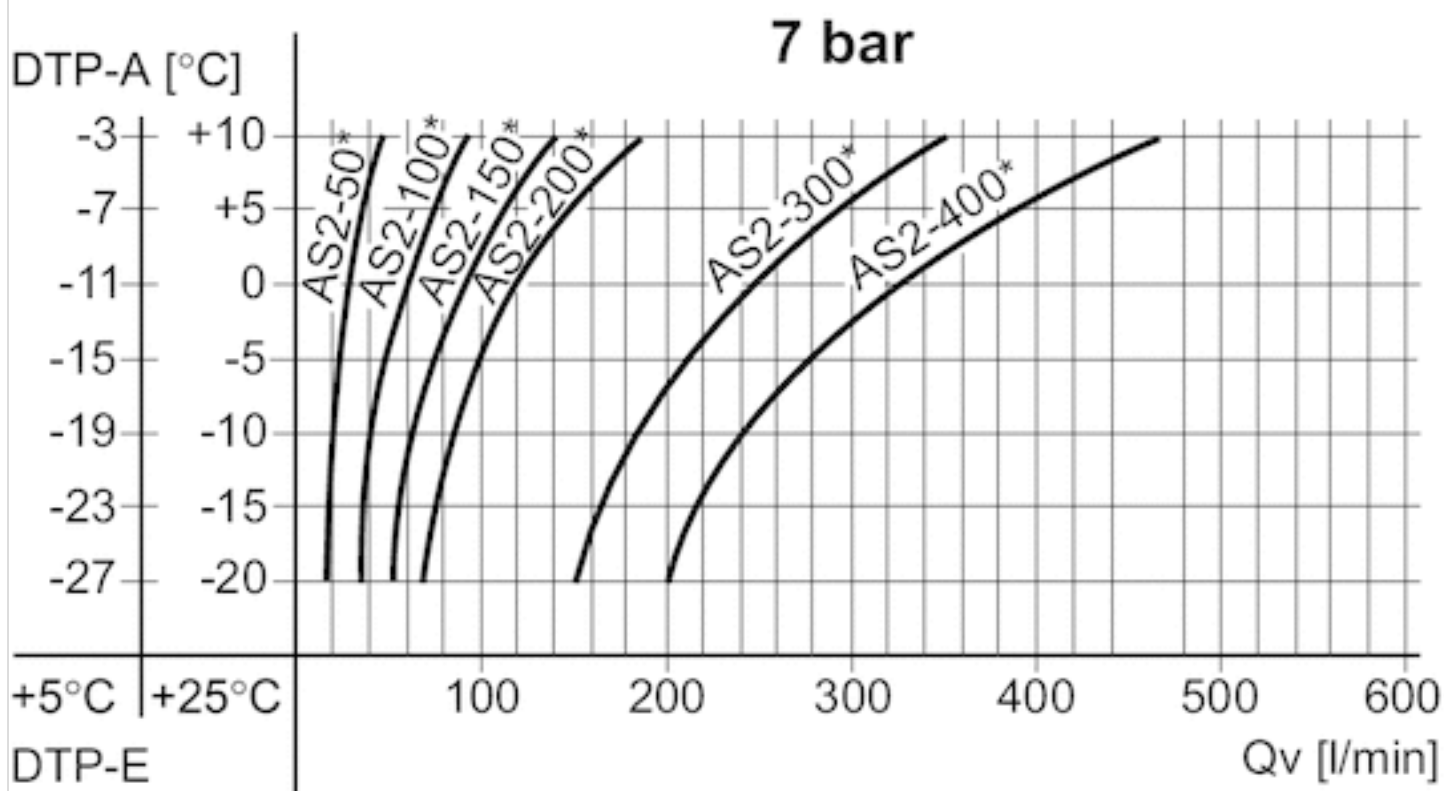
DTP-E: pressure dew point input

DTP-A: pressure dew point output

Qv: input flow rate (nominal flow rate Qn + purge air)

\* Nominal flow Qn

## performance charts



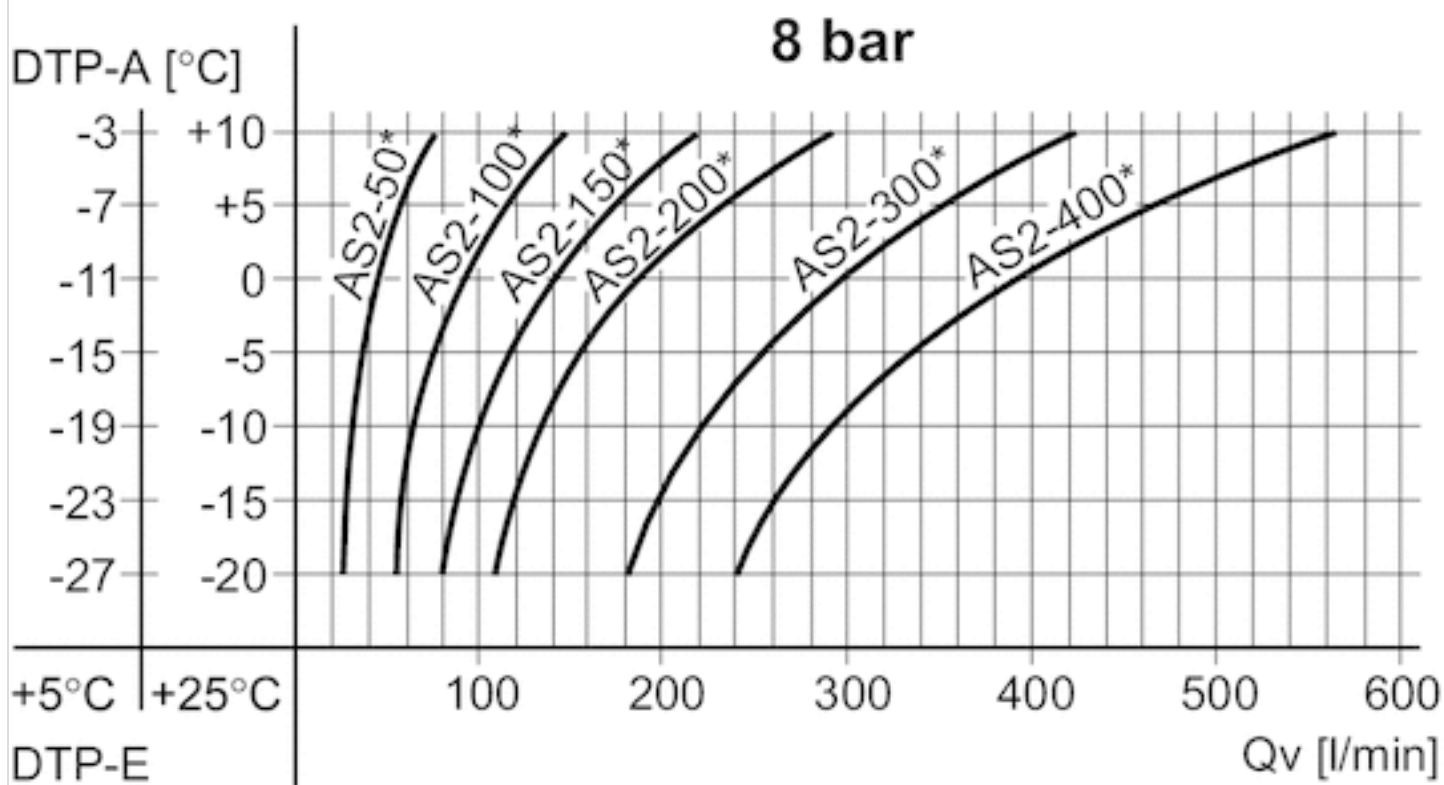
DTP-E: pressure dew point input

DTP-A: pressure dew point output

Qv: input flow rate (nominal flow rate Qn + purge air)

\* Nominal flow Qn

## performance charts



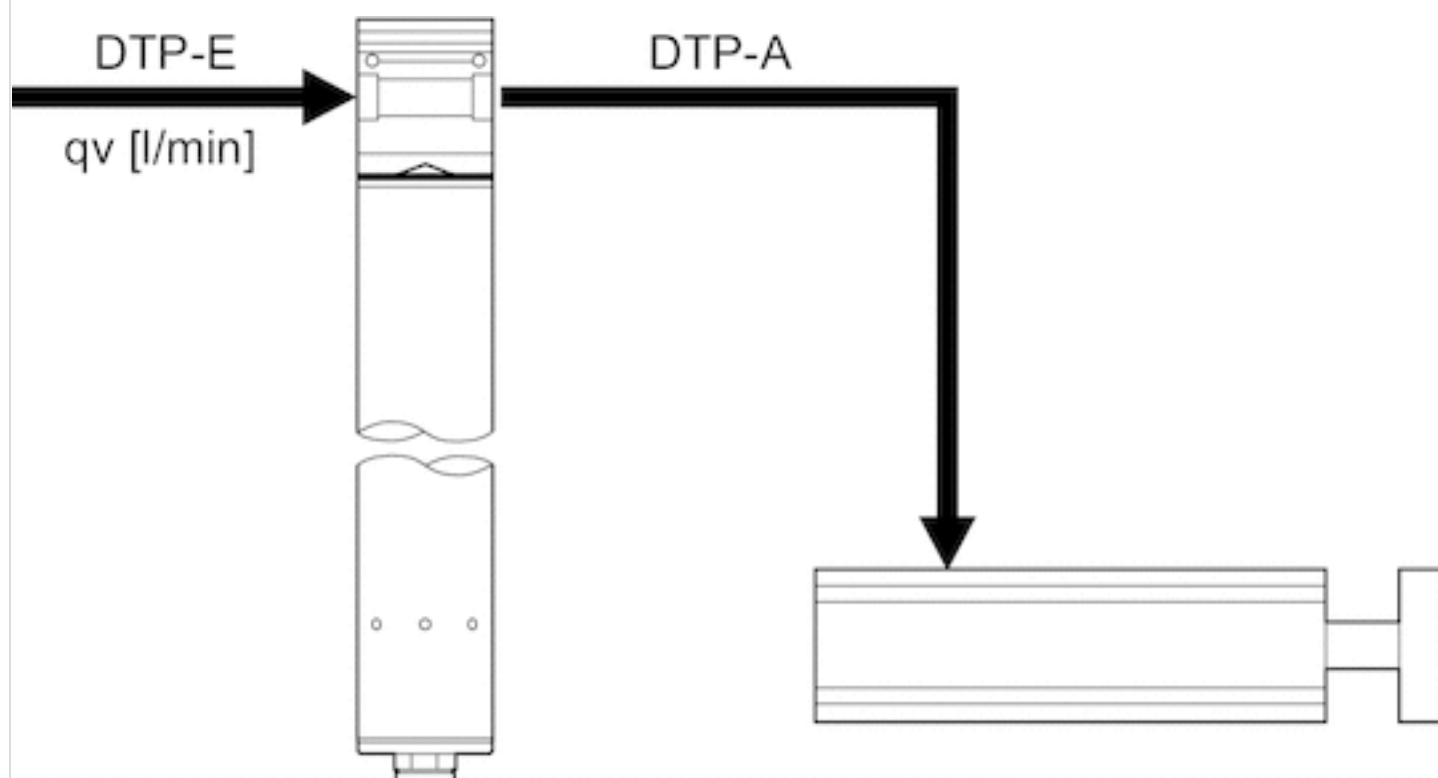
DTP-E: pressure dew point input

DTP-A: pressure dew point output

Qv: input flow rate (nominal flow rate  $Q_n$  + purge air)

\* Nominal flow  $Q_n$

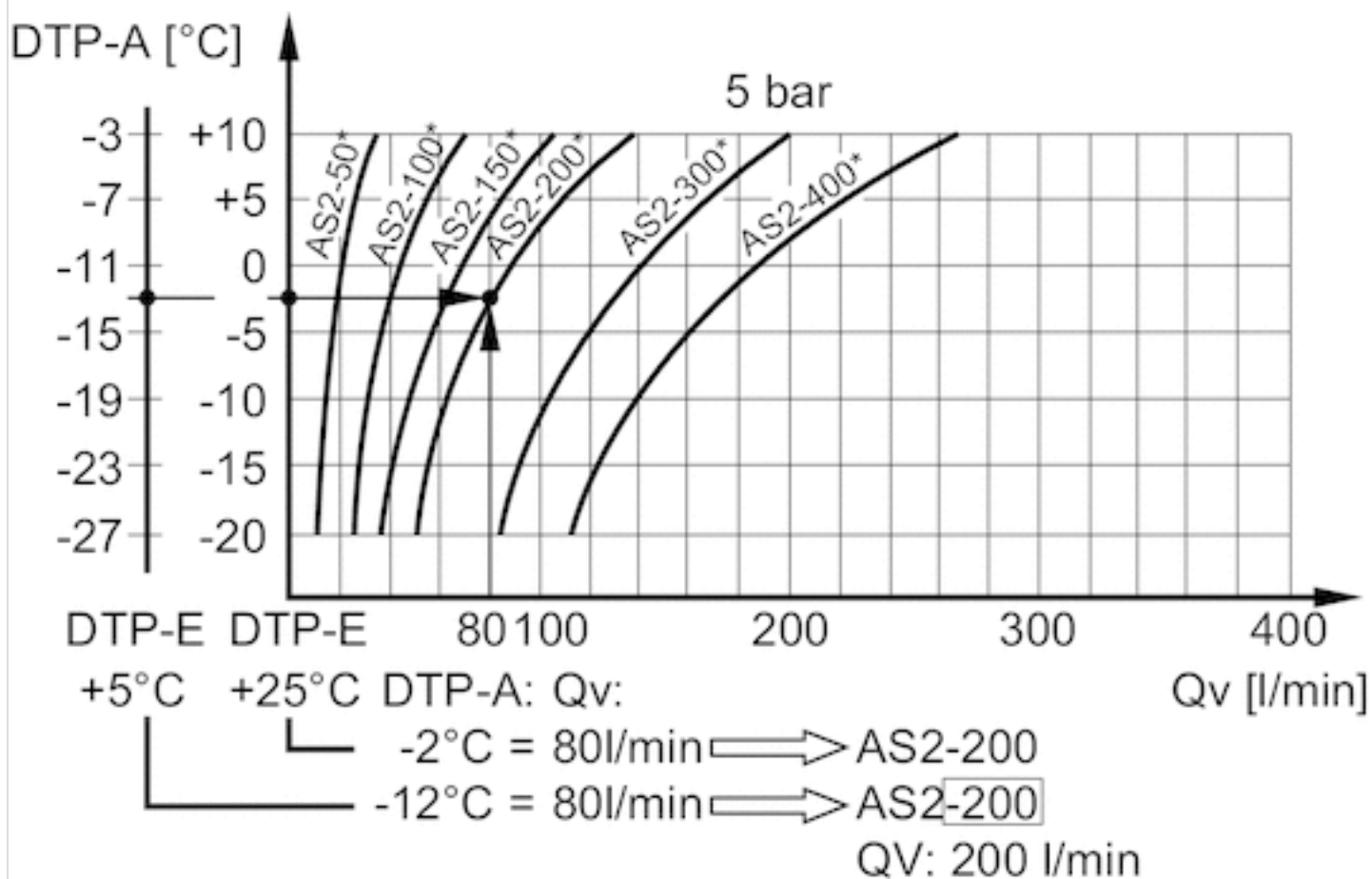
Example  
wanted:  
suitable membrane dryer



## Example

give values:  $Q_n = 80 \text{ l/min}$ ,  $DTP-E = +5 (+25)^\circ\text{C}$

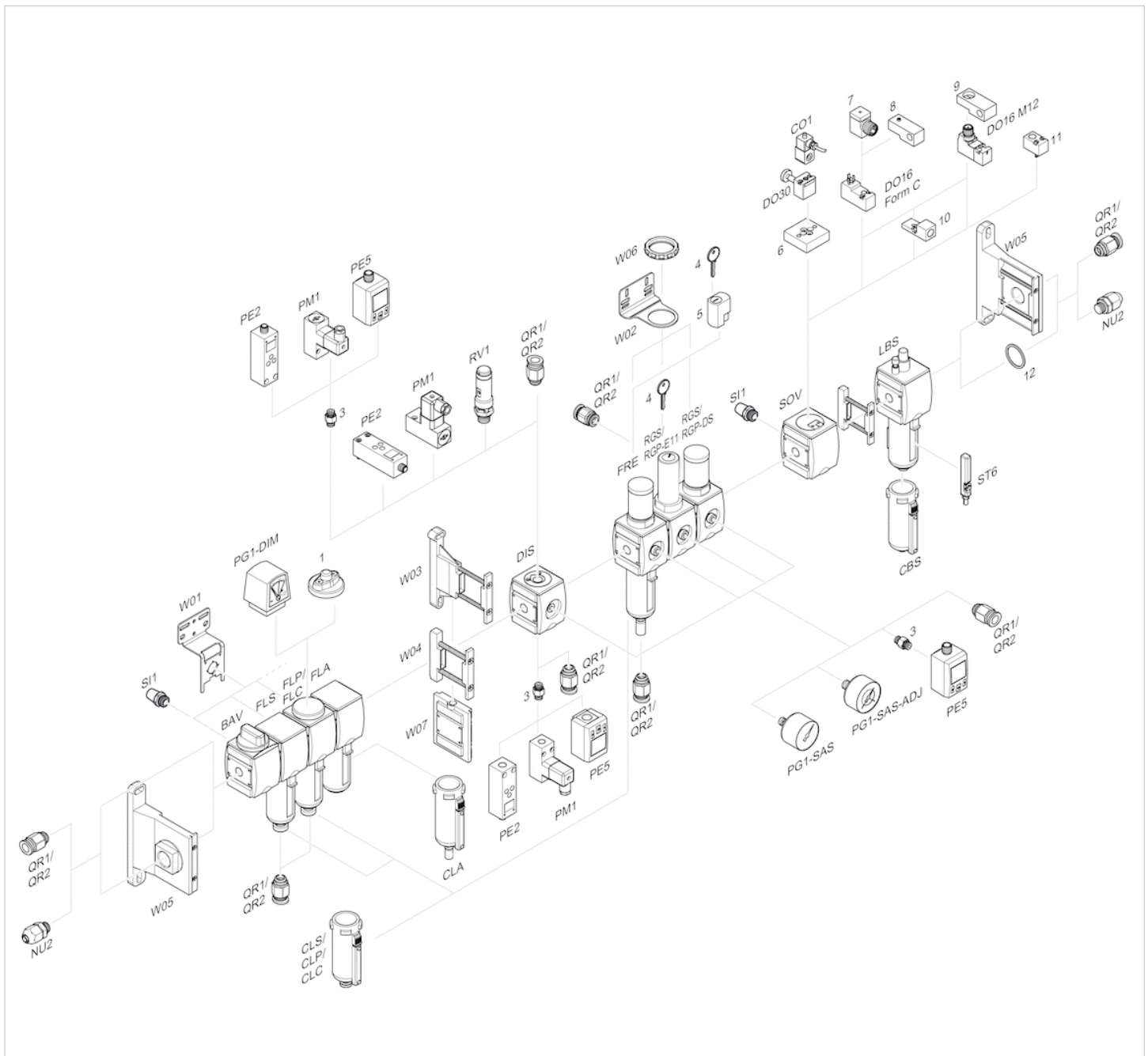
searched values:  $DTP-A = -12 (-2)^\circ\text{C}$  suitable membrane dryer



Result: membrane dryer series AS2-200  
(with a  $Q_n$  of 200  $\text{l/min}$ ), part no. R412006081

\* Nominal flow  $Q_n$

## Accessories overview



- 1 = contamination display
- 3 = Double nipple
- 4 = Key for E11 locking
- 5 = mortise lock
- 6 = Transition plate DO30
- 7 = Adapter, Series CON-VP
- 8 = Mounting aid DO16, form C
- 9 = Mounting aid DO16, M12
- 10 = Adapter for external pilot air
- 11 = Adapter pneumatic operation
- 12 = Sealing ring

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