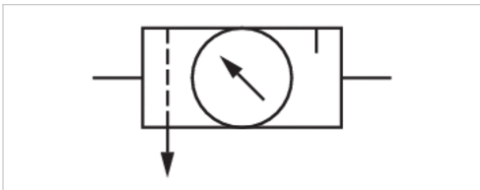


# Air preparation unit, 2-part, Series AS1-ACD

- G 1/4
- Air supply left
- filter porosity 5  $\mu\text{m}$
- With integrated pressure gauge



Type	2-part, Can be assembled into blocks
Parts	Filter pressure regulator, Lubricator
Mounting orientation	vertical
Working pressure min./max.	1,5 ... 12 bar
Ambient temperature min./max.	-10 ... 50 °C
Medium temperature min./max.	-10 ... 50 °C
Medium	Compressed air Neutral gases
Nominal flow Qn	700 l/min
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Adjustment range min./max.	0,5 ... 8 bar
Pressure supply	single
Filter reservoir volume	16 cm <sup>3</sup>
Filter element	exchangeable
Lubricator reservoir volume	35 cm <sup>3</sup>
Type of filling	Manual oil filling
Weight	See table below

## Technical data

Part No.	Port	filter porosity	Flow	Condensate drain
			Qn	
R412014672	G 1/4	5 $\mu\text{m}$	700 l/min	semi-automatic, open without pressure
R412014673	G 1/4	5 $\mu\text{m}$	700 l/min	fully automatic, open without pressure

Part No.	Pressure gauge	Weight
R412014672	With integrated pressure gauge	0,504 kg
R412014673	With integrated pressure gauge	0,522 kg

Nominal flow Qn with secondary pressure p2 = 6 bar at  $\Delta p = 1$  bar

## 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".  
 Also suitable for separation of fluid oil or water due to the design.

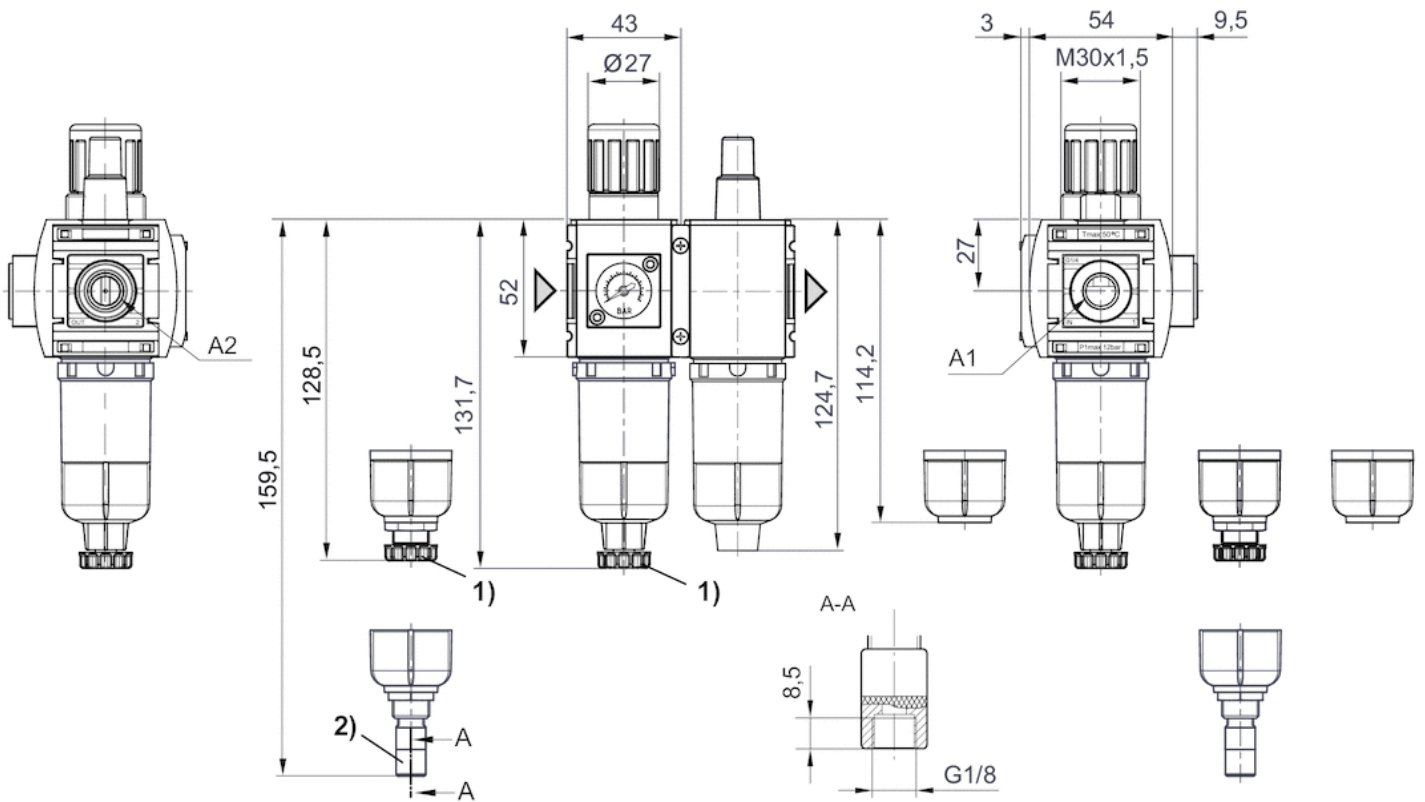
Max. achievable compressed air class acc. to ISO 8573-1:2010 6 : 7 : -

## Technical information

Material	
Housing	Polyamide
Front plate	Acrylonitrile butadiene styrene
Seals	Acrylonitrile butadiene rubber
Threaded bushing	Die cast zinc
Reservoir	Polycarbonate
Protective guard	Polyamide
Filter insert	Cellpor

# Dimensions

## Dimensions



A1 = input

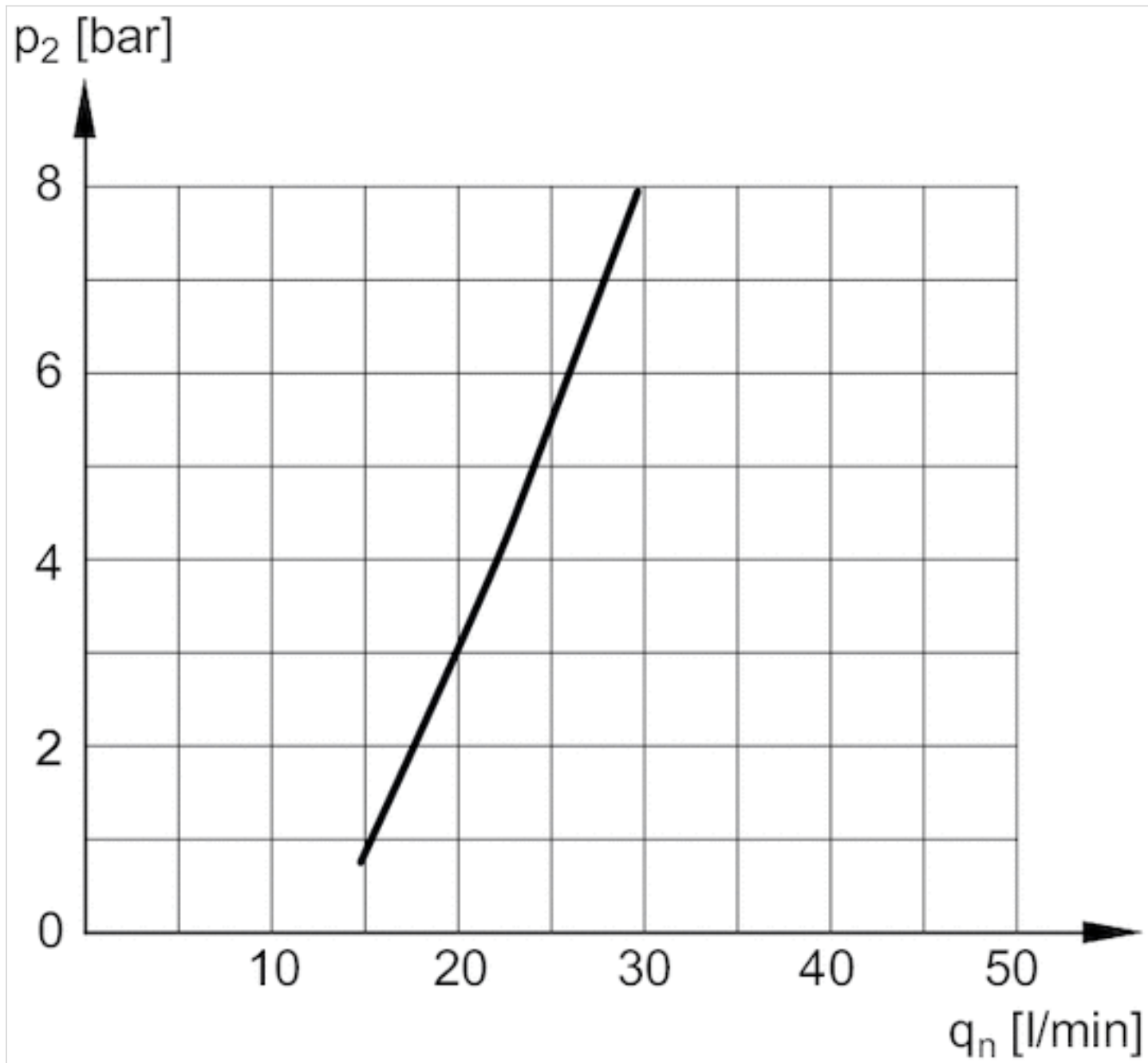
A2 = output

1) Semi-automatic condensate drain

2) Fully automatic condensate drain

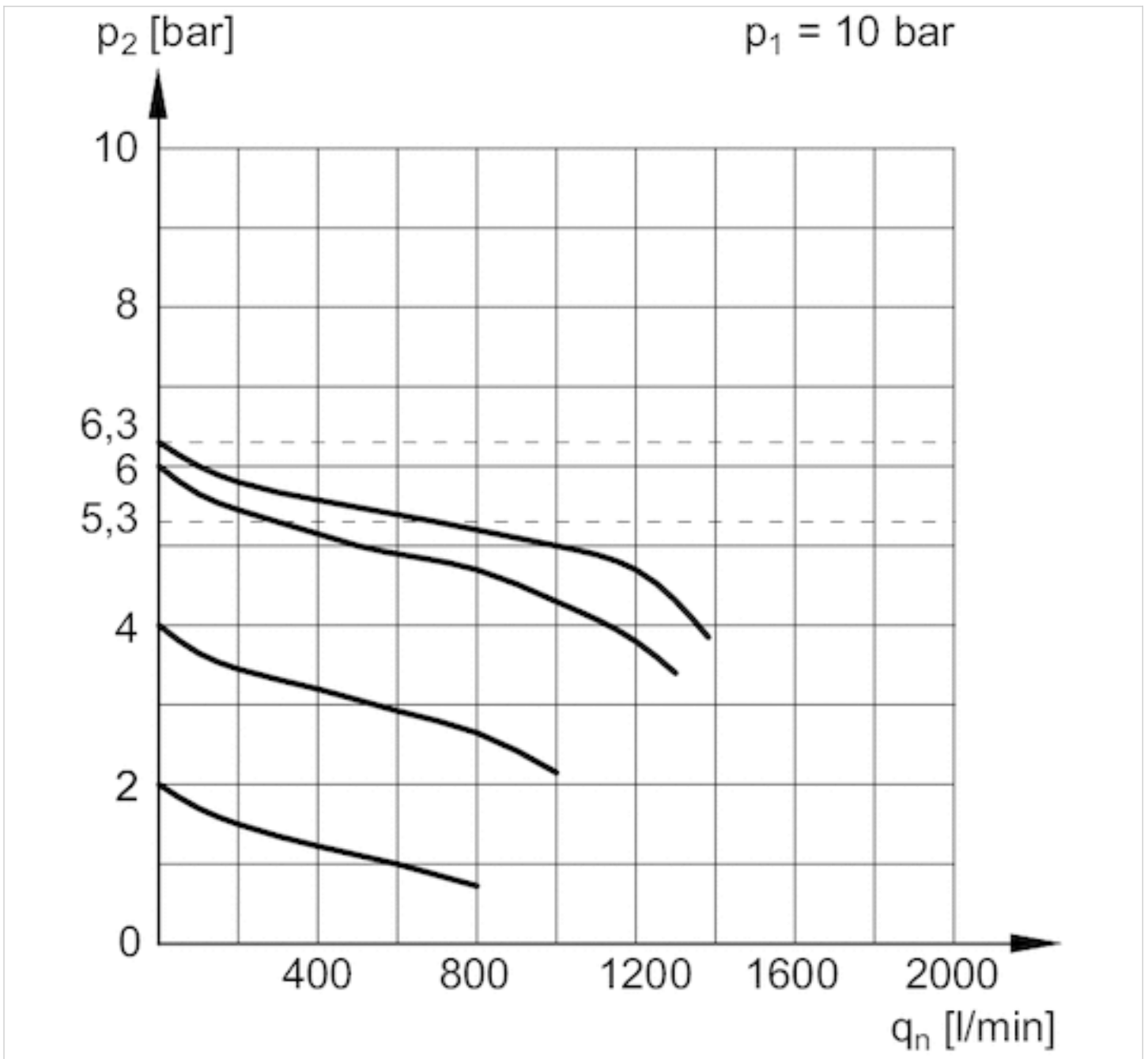
## Diagrams

## Lubricator activation margin



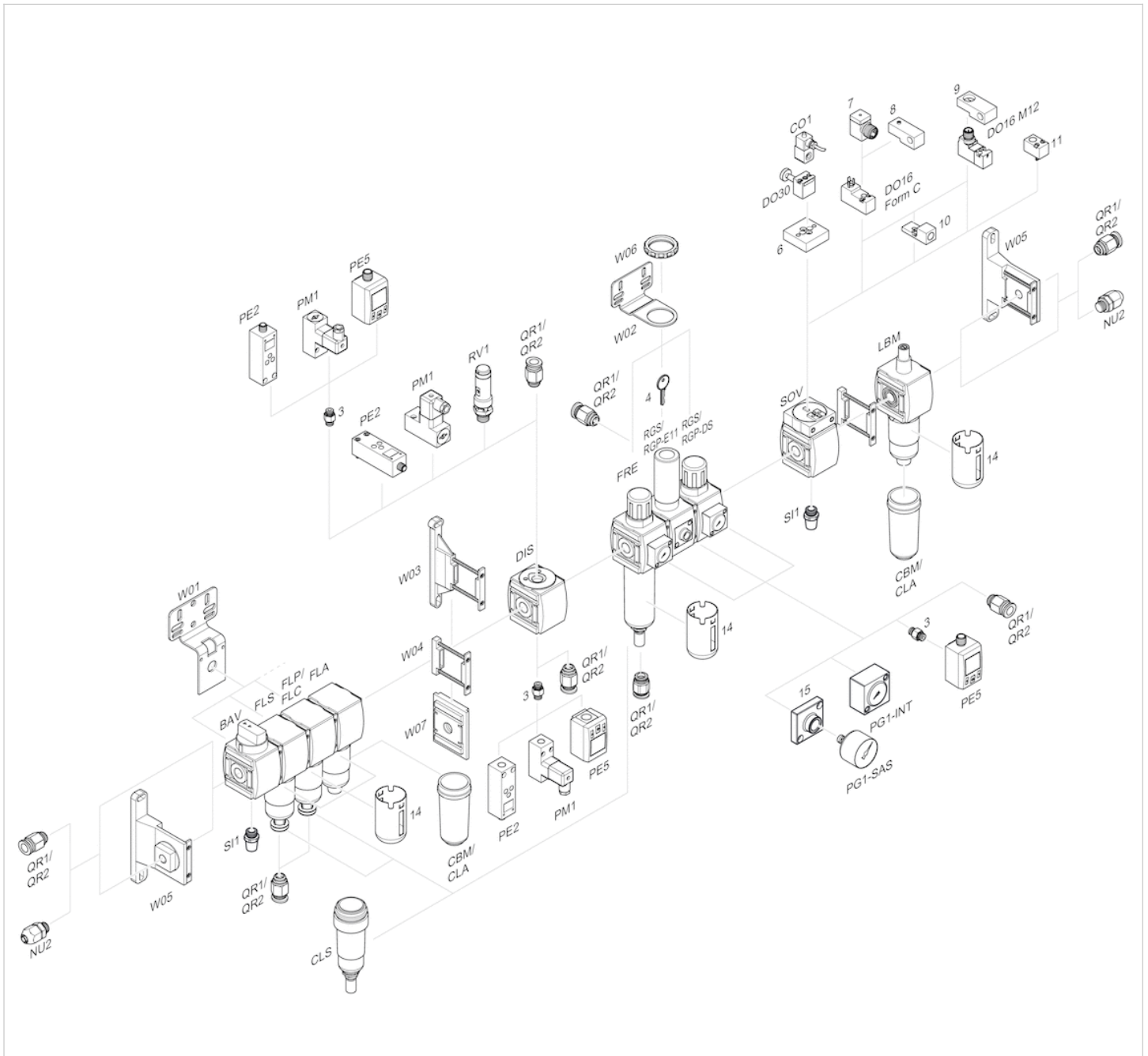
$p_2$  = secondary pressure  
 $q_n$  = nominal flow

Flow rate characteristic



$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow

# Accessories overview



- 3 = Double nipple
- 4 = Key for E11 locking
- 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
- 14 = Protective guard
- 15 = Transition plate for assembling a pressure gauge with connection thread G 1/8

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