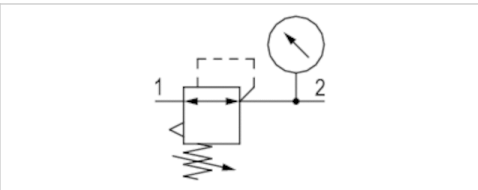


# Pressure regulator, Series AS1-RGS

- G 1/4
- Air supply left
- Qn = 1000 l/min
- Standard pressure regulator
- Activation Manual
- with pressure gauge in hand wheel



|                               |                                                                |
|-------------------------------|----------------------------------------------------------------|
| Parts                         | Pressure regulator                                             |
| Mounting orientation          | Any                                                            |
| Working pressure min./max.    | See table below                                                |
| Ambient temperature min./max. | -10 ... 50 °C                                                  |
| Medium temperature min./max.  | -10 ... 50 °C                                                  |
| Medium                        | Compressed air Neutral gases                                   |
| Regulator type                | Diaphragm-type pressure regulator Can be assembled into blocks |
| Regulator function            | with relieving air exhaust                                     |
| Adjustment range min./max.    | See table below                                                |
| Activation                    | Manual                                                         |
| Weight                        | 0,239 kg                                                       |

## Technical data

| Part No.   |                                                                                     | Port  | Flow       | Working pressure min./max. | Adjustment range min./max. |
|------------|-------------------------------------------------------------------------------------|-------|------------|----------------------------|----------------------------|
|            |                                                                                     |       | Qn         |                            |                            |
| R412014639 |  | G 1/4 | 1000 l/min | 0,2 ... 12 bar             | 0,2 ... 4 bar              |
| R412014640 |  | G 1/4 | 1000 l/min | 0,5 ... 12 bar             | 0,5 ... 8 bar              |
| R412014641 |  | G 1/4 | 1000 l/min | 0,5 ... 12 bar             | 0,5 ... 10 bar             |

| Part No.   | Pressure gauge                    |
|------------|-----------------------------------|
| R412014639 | with pressure gauge in hand wheel |
| R412014640 | with pressure gauge in hand wheel |
| R412014641 | with pressure gauge in hand wheel |

Panel nut included in scope of delivery, Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 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 .

Relieving exhaust (≤ 0.3 bar over set pressure).

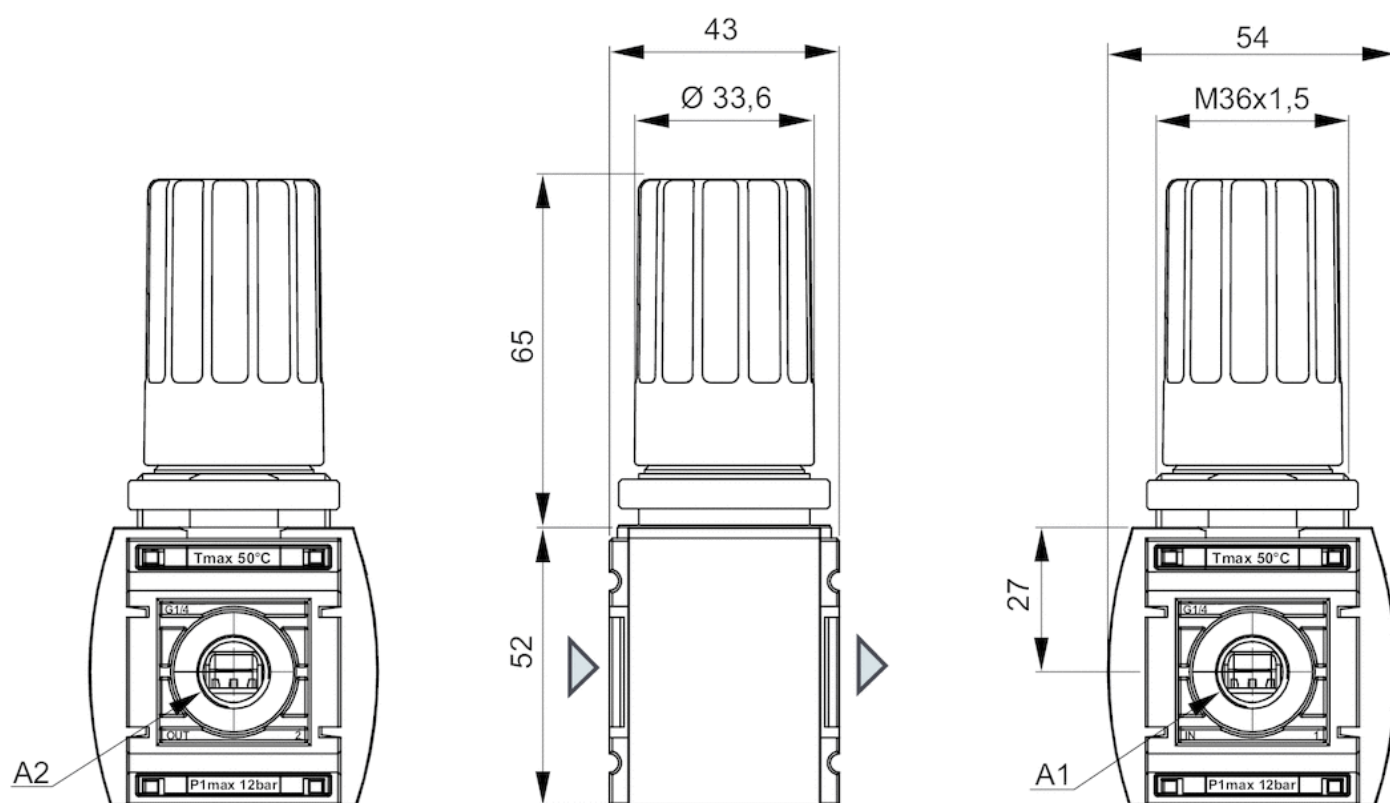
With rear exhaust (> 3 bar ).

## Technical information

| Material    |                                 |
|-------------|---------------------------------|
| Housing     | Polyamide                       |
| Front plate | Acrylonitrile butadiene styrene |
| Seals       | Acrylonitrile butadiene rubber  |

## Dimensions

### Dimensions



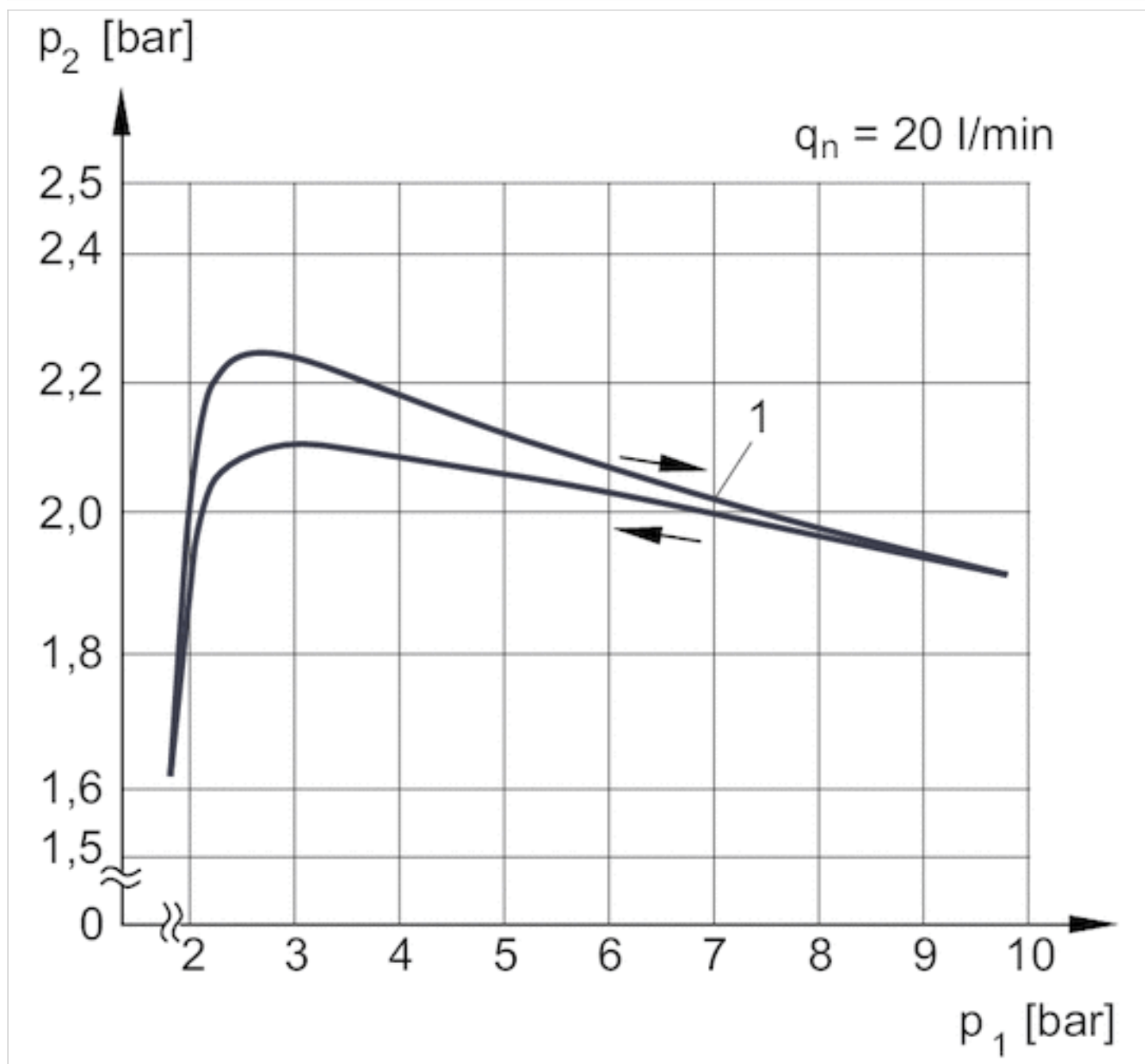
A1 = input

A2 = output

Panel nut included in scope of delivery

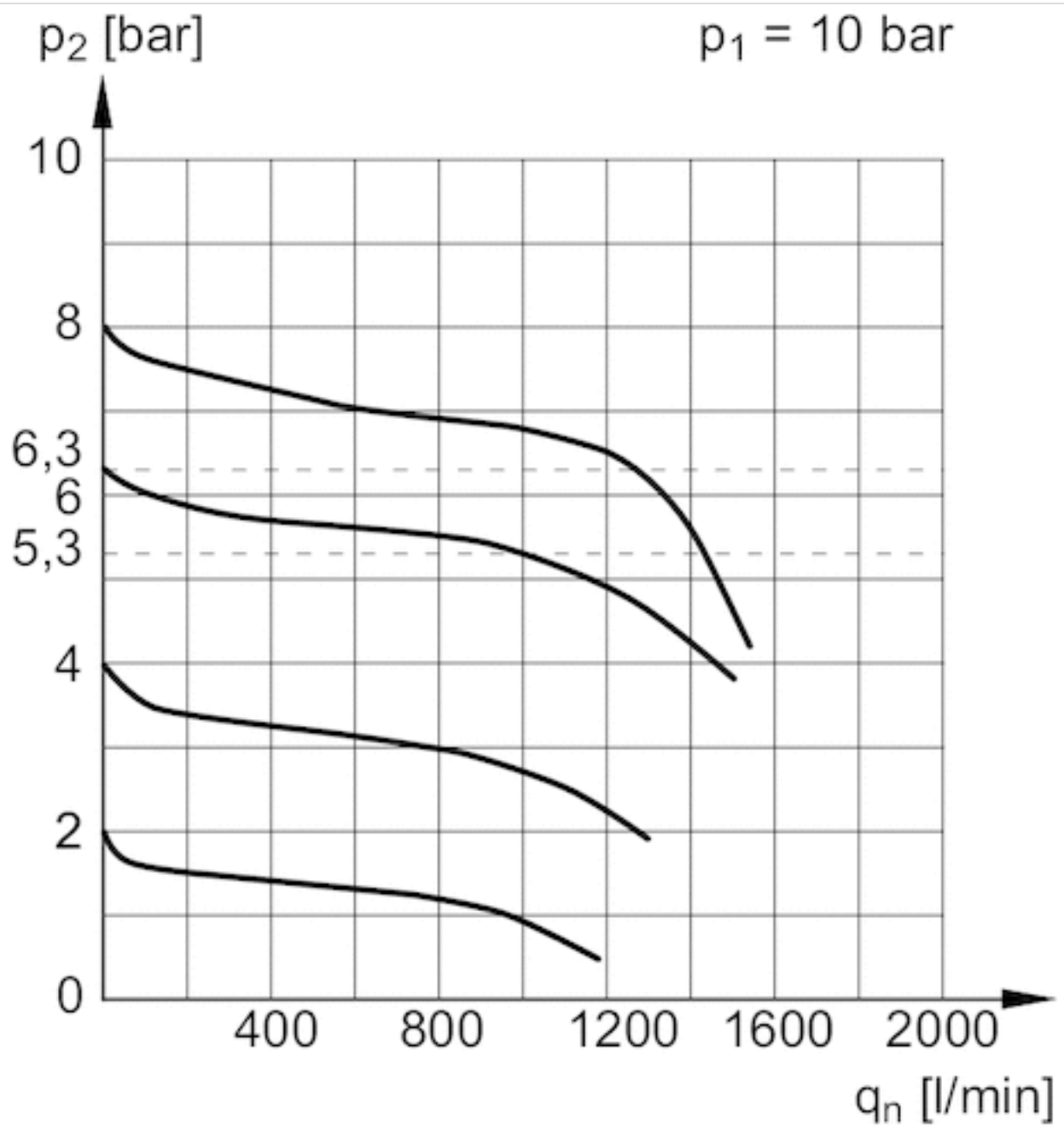
## Diagrams

## Pressure characteristics curve



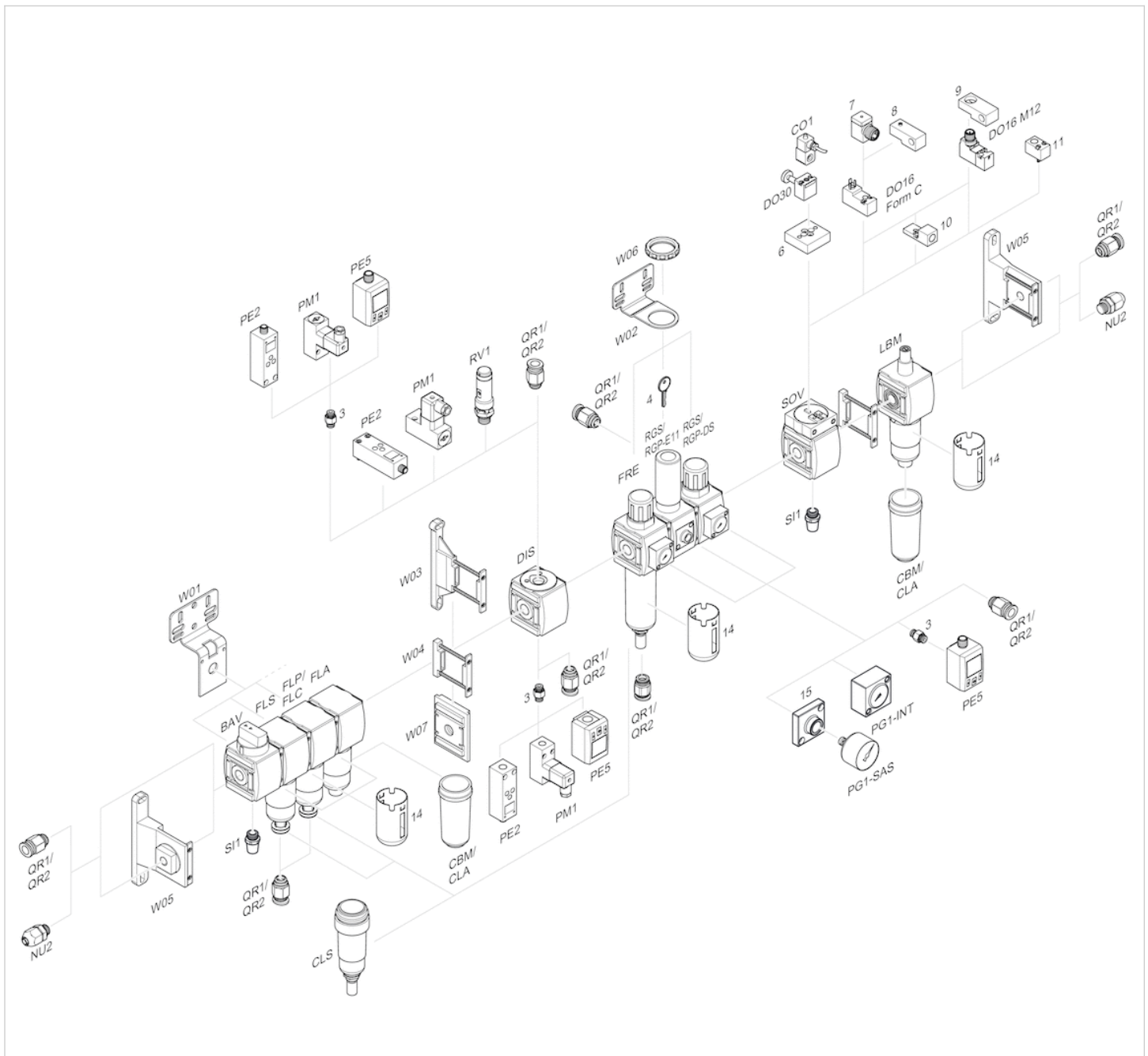
$p_1$  = working pressure  
 $p_2$  = secondary pressure  
 $q_n$  = nominal flow  
 1) = Starting point

## 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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