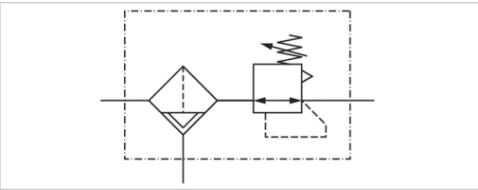


# Filter pressure regulator, Series AS3-FRE-...-E11

- G 1/2
- filter porosity 40 µm
- lockable
- with E11 locking



|                               |                                          |
|-------------------------------|------------------------------------------|
| Type                          | 1-part, Can be assembled into blocks     |
| Parts                         | Filter pressure regulator                |
| Mounting orientation          | vertical                                 |
| Working pressure min./max.    | 1,5 ... 16 bar                           |
| Ambient temperature min./max. | -10 ... 50 °C                            |
| Medium temperature min./max.  | -10 ... 50 °C                            |
| Medium                        | Compressed air Neutral gases             |
| Nominal flow Qn               | 5100 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       | 49 cm³                                   |
| Filter element                | exchangeable                             |
| Condensate drain              | fully automatic, closed without pressure |
| Weight                        | 0,635 kg                                 |

## Technical data

| Part No.   | Port  | filter porosity | Flow       | Condensate drain                         |
|------------|-------|-----------------|------------|------------------------------------------|
|            |       |                 | Qn         |                                          |
| R412007204 | G 1/2 | 40 µm           | 5100 l/min | fully automatic, closed without pressure |

Order pressure gauge separately, 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 .

The E11 locking is delivered without a key (see accessories for keys).

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.

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

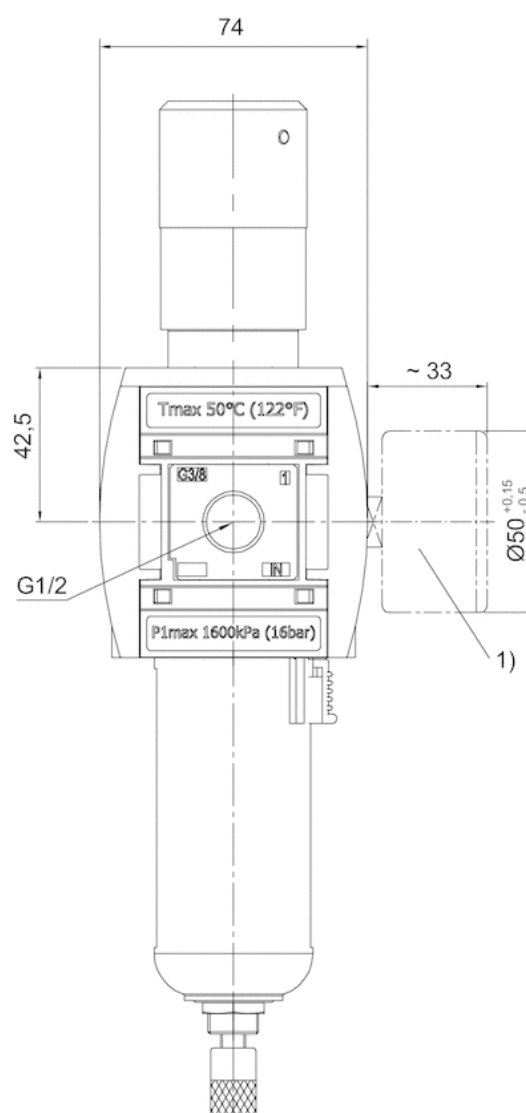
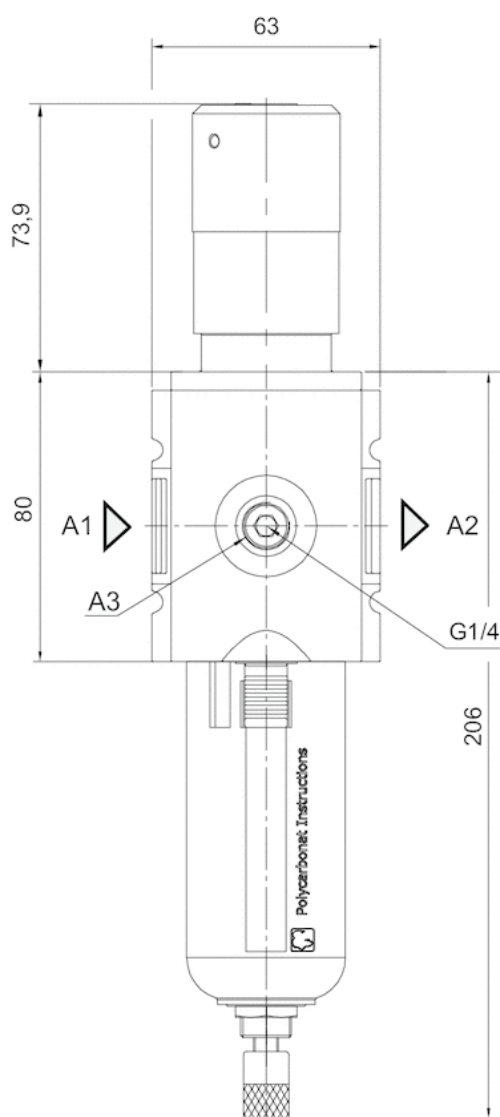
## Technical information

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

| Material         |                                |
|------------------|--------------------------------|
| Seals            | Acrylonitrile butadiene rubber |
| Threaded bushing | Die cast zinc                  |
| Reservoir        | Polycarbonate                  |
| Protective guard | Polyamide                      |
| Filter insert    | Polyethylene                   |

## Dimensions

### Dimensions

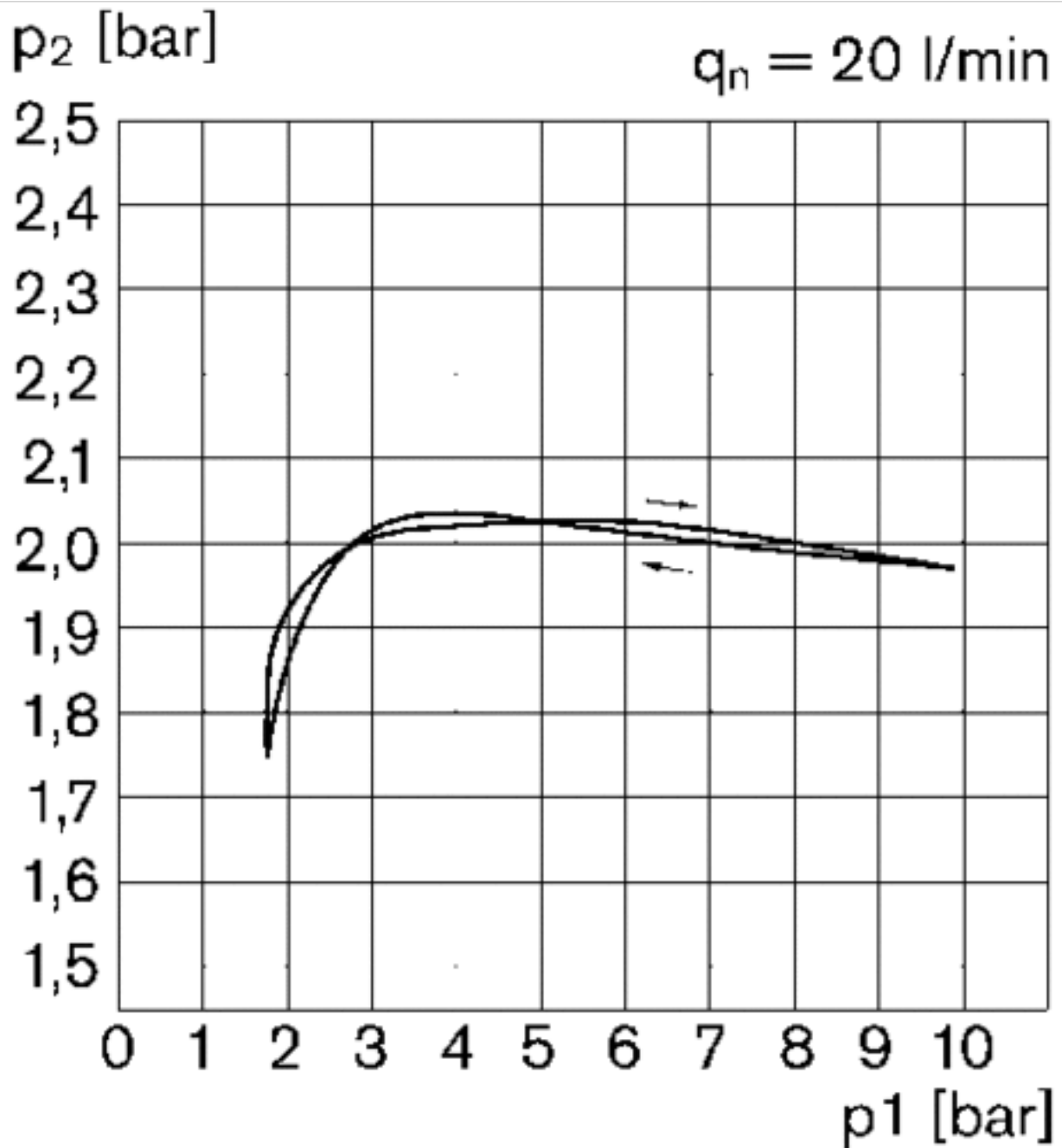


A1 = input  
A2 = output  
A3 = pressure gauge connection

1) Order pressure gauge separately

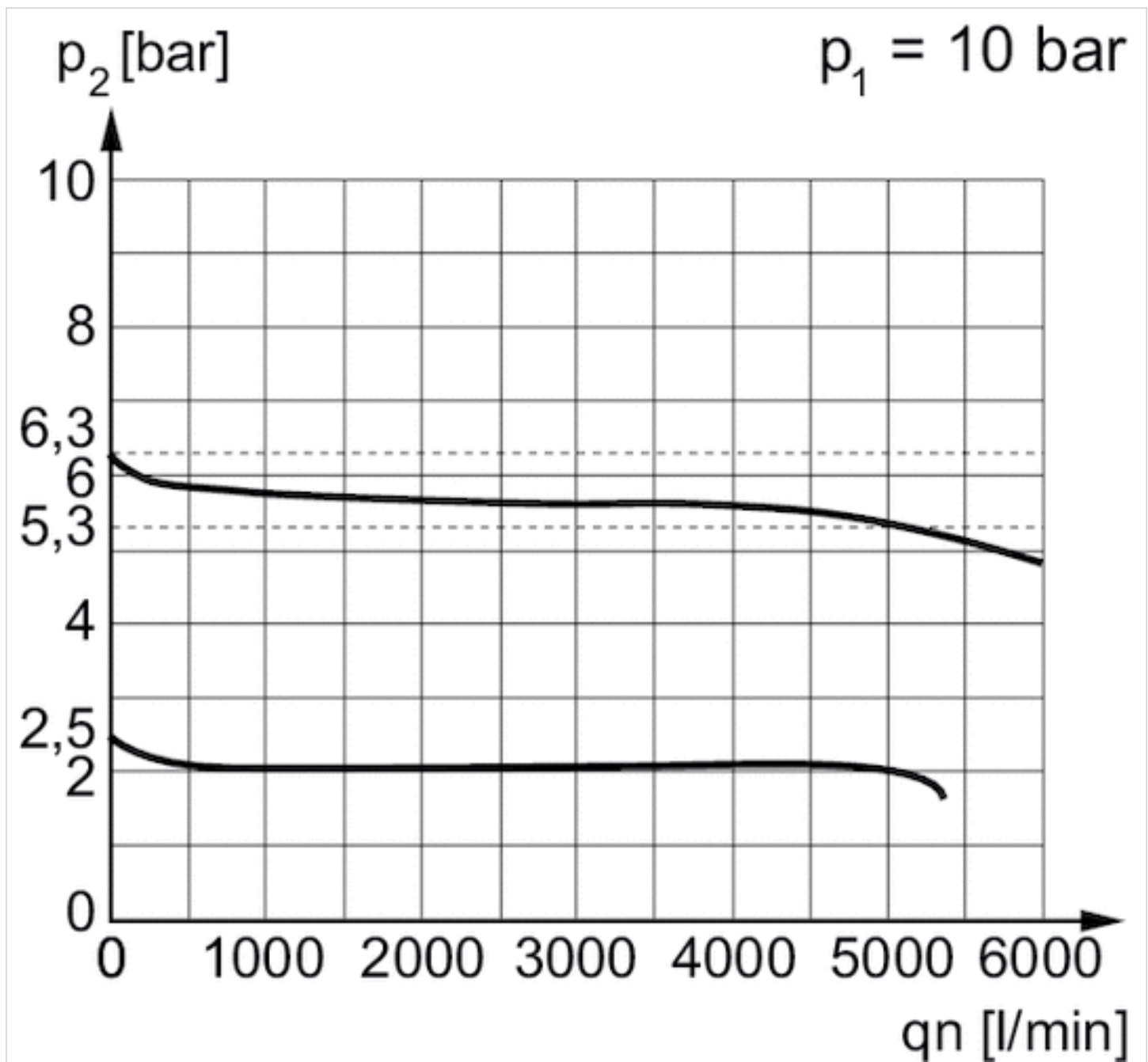
## Diagrams

### Pressure characteristics curve



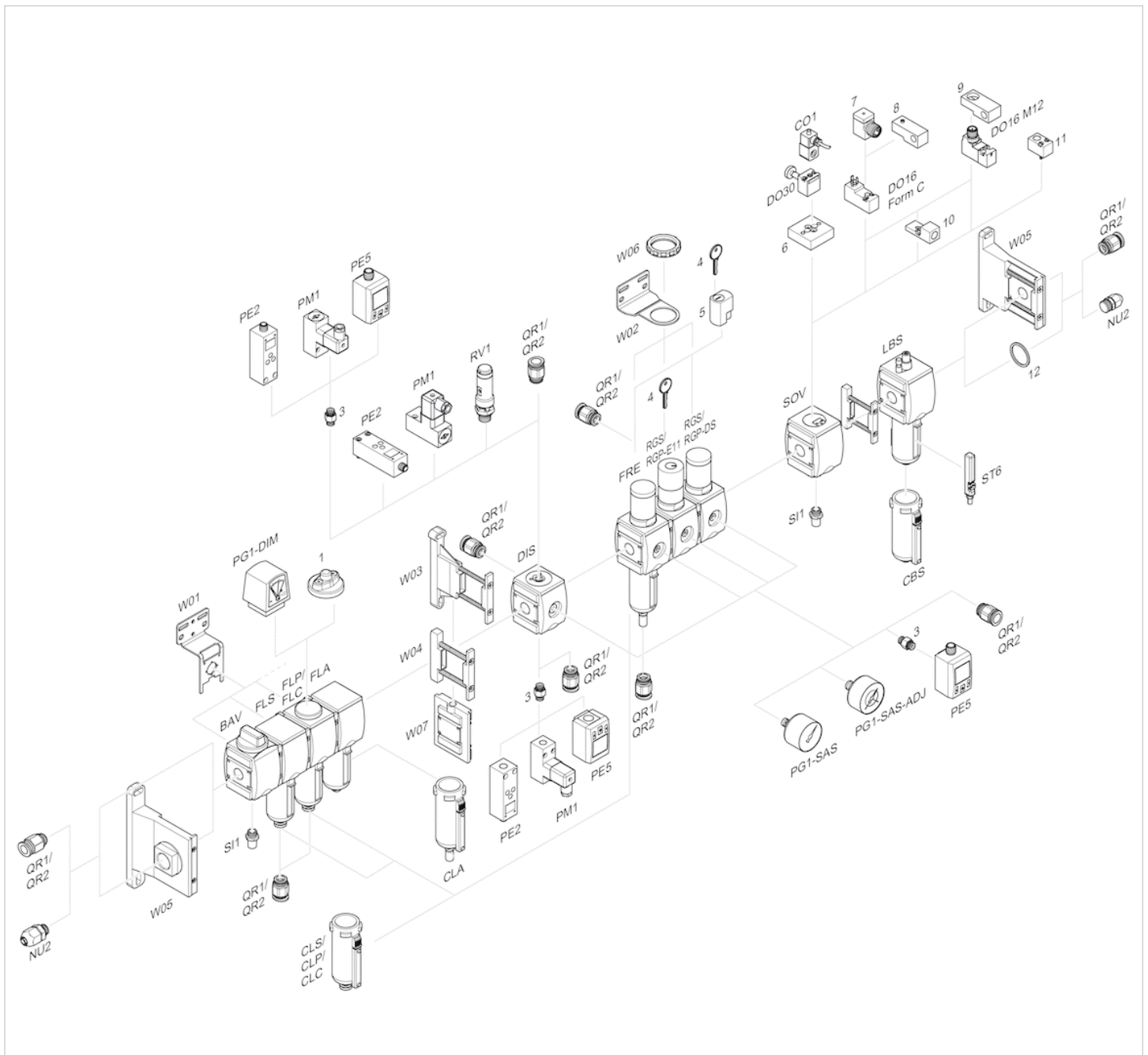
p1 = Working pressure  
p2 = Secondary pressure  
qn = Nominal flow

## Flow rate characteristic (p2: 0,5 - 8 bar)



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

## 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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