

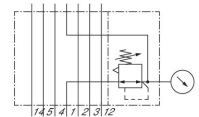
# Pressure regulator for vertical stacking

R412003719

2024-12-16

## Series HF03-LG

Qn = [[700] l/min]



## Technical data

Industry

Industrial

Type

Poppet valve

Certificates

Free of substances that impair surface wetting in the coating process

Actuating element

Screw with wrench flats

Controlled port

1

Compressed air connection input

base plate DIN ISO 15407-1

Compressed air connection type input

Base plate connection

Compressed air connection gauge port

Ø 6x1

Min. working pressure

2 bar

Max. working pressure

10 bar

Min. regulation range

0.5 bar

Max. regulation range

4 bar

Min. ambient temperature

-15 °C

Max. ambient temperature

50 °C

Min. medium temperature

-15 °C

Max. medium temperature

50 °C

Medium

Compressed air

Max. particle size

50 µm

Min. oil content of compressed air

0 mg/m<sup>3</sup>

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|                                    |                     |
|------------------------------------|---------------------|
| Max. oil content of compressed air | 1 mg/m <sup>3</sup> |
| Qn 1 > 2                           | 750 l/min           |
| Weight                             | 0.21 kg             |

## Material

|                  |                                                      |
|------------------|------------------------------------------------------|
| Housing material | Polyamide fiber-glass reinforced<br>Polyoxymethylene |
| Seal material    | Acrylonitrile butadiene rubber                       |
| Part No.         | R412003719                                           |

## Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

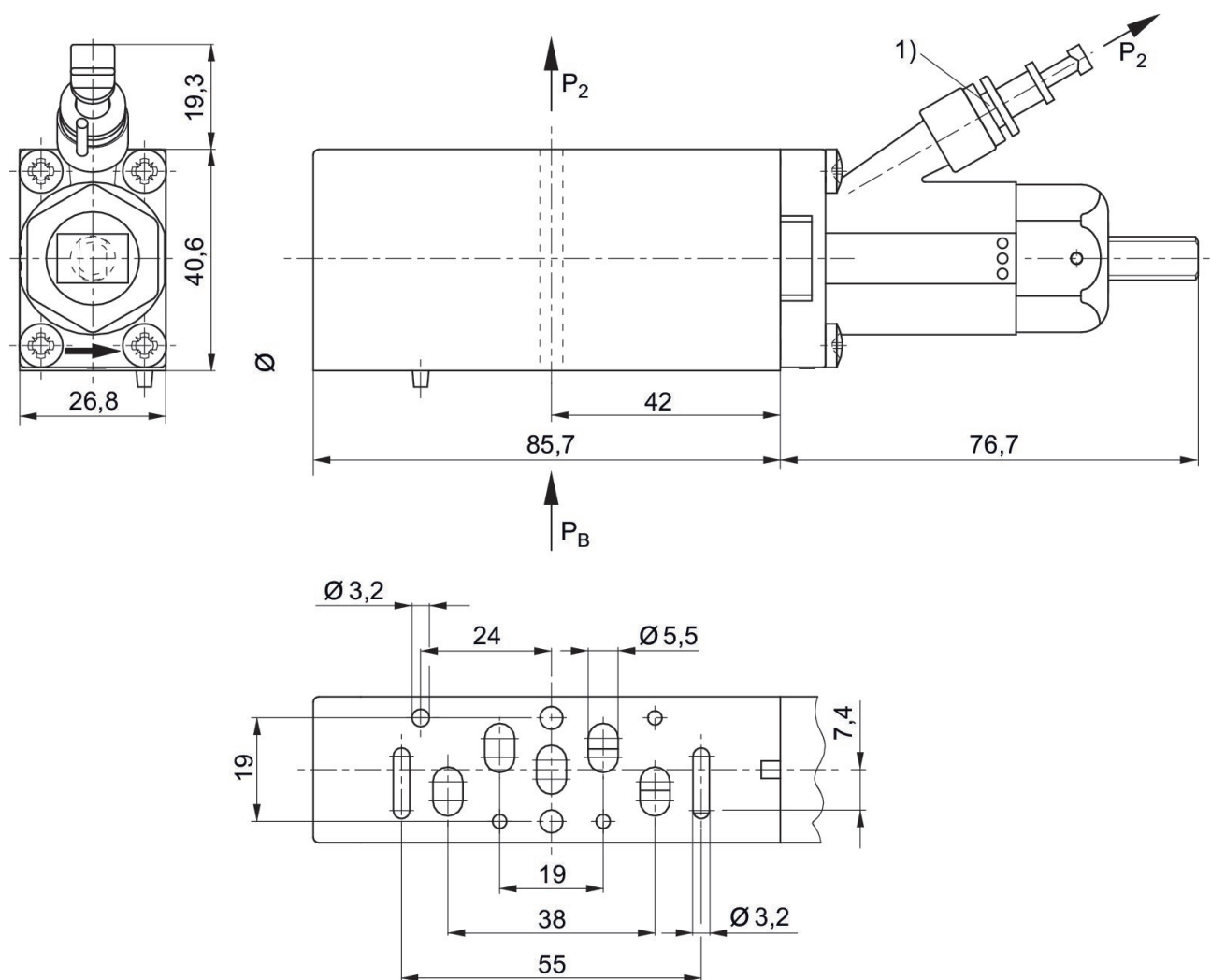
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

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Fig. 2



1) Push-in fitting  $\varnothing 6 \times 1$  (for gauge)

$p_2$  = Secondary pressure

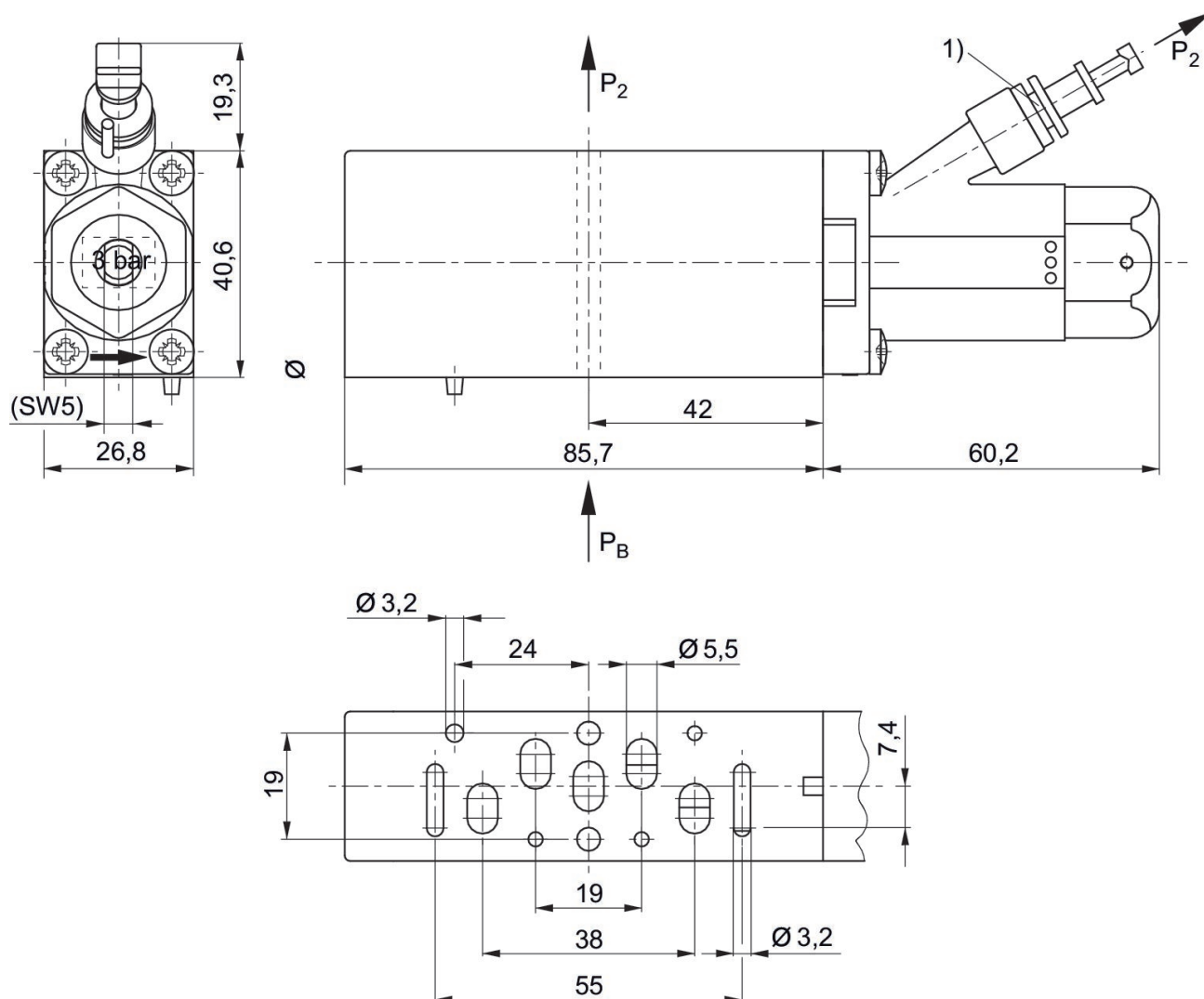
$P_B$  = Working pressure

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Fig. 1



1) push-in fitting  $\varnothing 6 \times 1$  (for pressure gauge) 2) preset at 3 bar  
 $p_2$  = Secondary pressure  
 $P_B$  = Working pressure