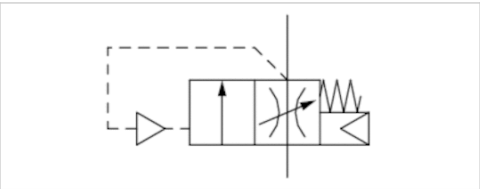


Filling valve, Series AS2-SSV

- adjustable filling time
- Compressed air connection G 1/4 G 3/8
- suitable for ATEX



| | |
|-------------------------------|--|
| Type | Poppet valve, Can be assembled into blocks |
| Sealing principle | Soft sealing |
| Working pressure min./max. | 2,5 ... 16 bar |
| Ambient temperature min./max. | -10 ... 50 °C |
| Medium temperature min./max. | -10 ... 50 °C |
| Medium | Compressed air Neutral gases |
| Max. particle size | 40 µm |
| Weight | 0,203 kg |

Technical data

| Part No. | Port | Flow | Fig. | |
|------------|-------|------------|--------|----|
| | | Qn | | |
| R412006272 | G 1/4 | 2000 l/min | Fig. 1 | 1) |
| R412006275 | G 1/4 | 2000 l/min | Fig. 1 | 2) |
| R412006273 | G 3/8 | 2000 l/min | Fig. 2 | 1) |

- Nominal flow Qn with secondary pressure p2 = 6 bar at Δp = 1 bar
- 1) Suitable for use in Ex zones 1, 2, 21, 22.
- 2) With adjustment screw lock, 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 .

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.

The filling valve builds up pressure slowly in the pneumatic systems, i.e. prevents a sudden pressure build-up during a recommissioning after a mains pressure failure or avoids emergency OFF switching. This allows dangerous abrupt cylinder motions to be avoided.

Do not position filling valves or filling units upstream of open consumers, such as nozzles, air barriers, air curtains, since these may prevent through connection of components.

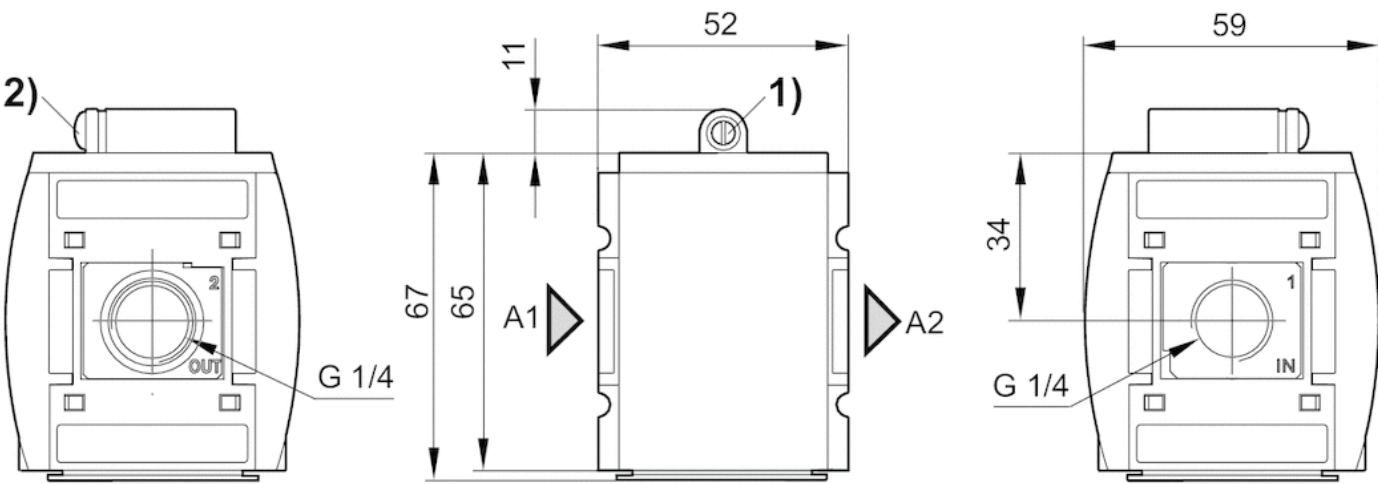
Suitable for use in Ex zones 1, 2, 21, 22.

Technical information

| Material | |
|------------------|---------------------------------|
| Housing | Polyamide |
| Front plate | Acrylonitrile butadiene styrene |
| Seals | Acrylonitrile butadiene rubber |
| Threaded bushing | Die cast zinc |

Dimensions

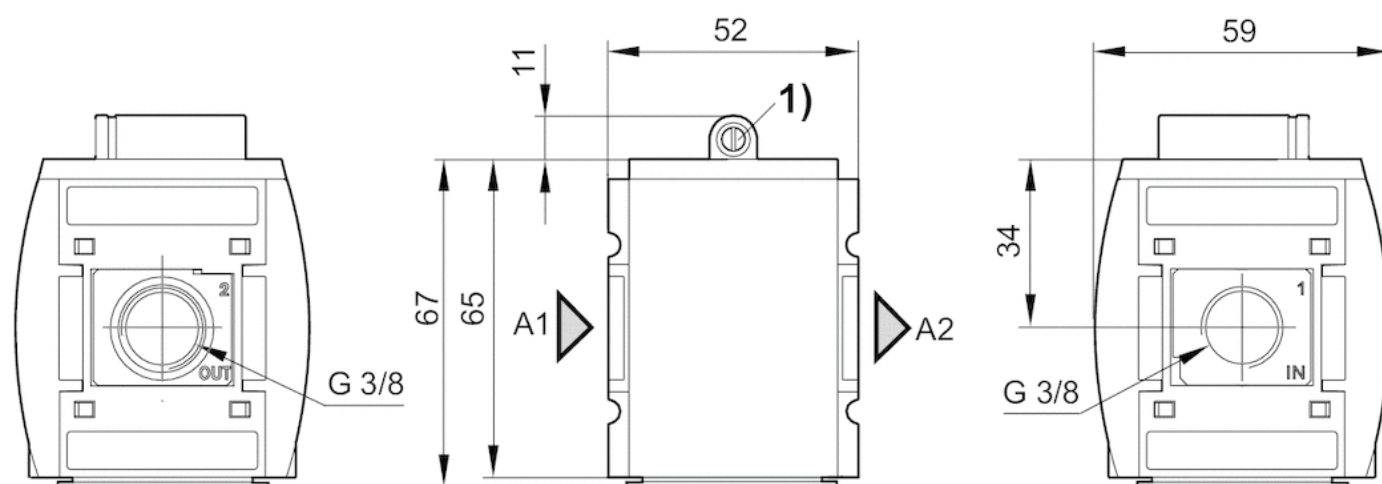
Dimensions in mm, Fig. 1



A1 = input
 A2 = output

- 1) Adjustment screw for filling time
- 2) Adjustment screw lock

Dimensions in mm, Fig. 2



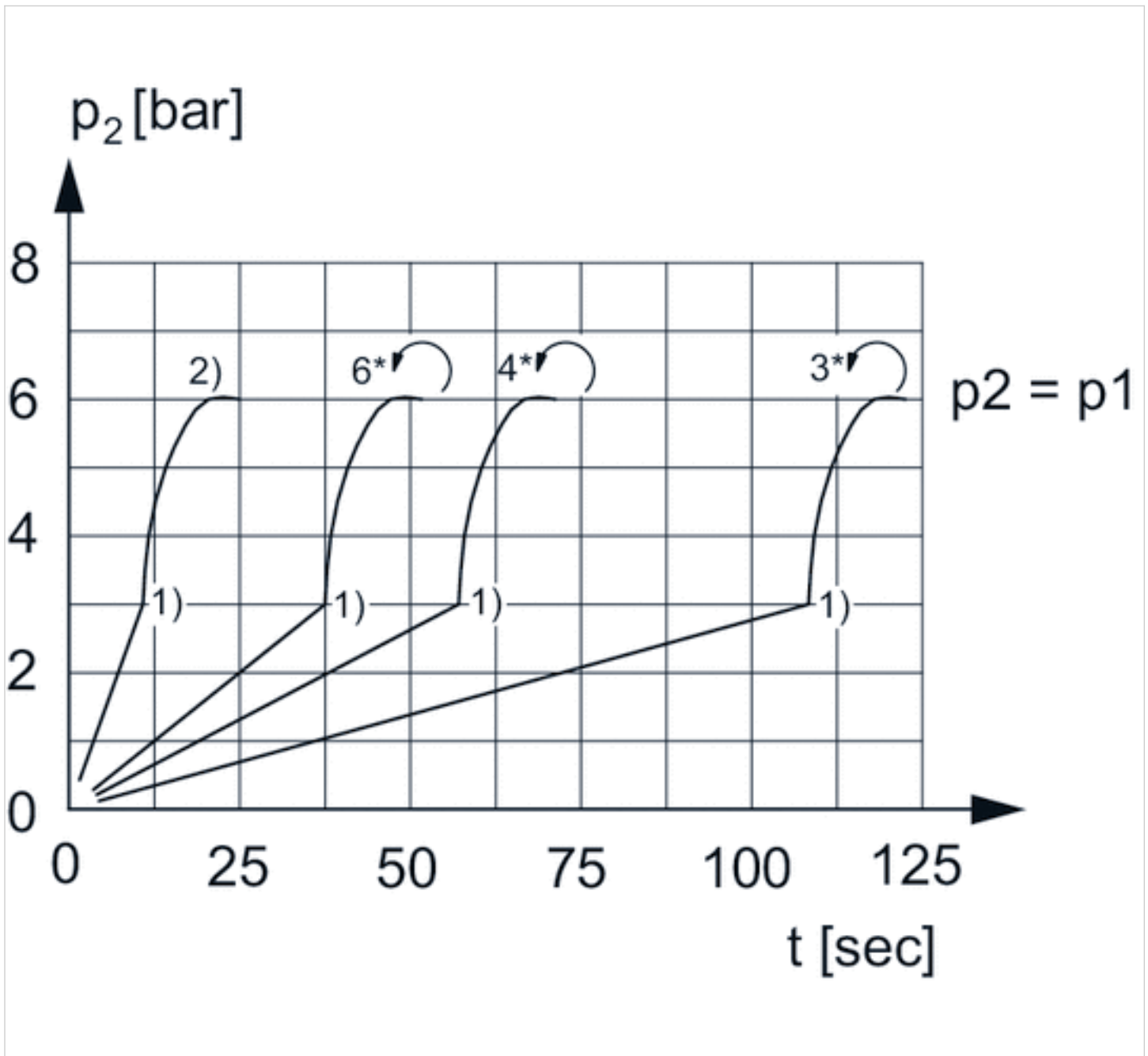
A1 = input

A2 = output

- 1) Adjustment screw for filling time

Diagrams

Secondary pressure while filling



p_1 = working pressure

p_2 = secondary pressure

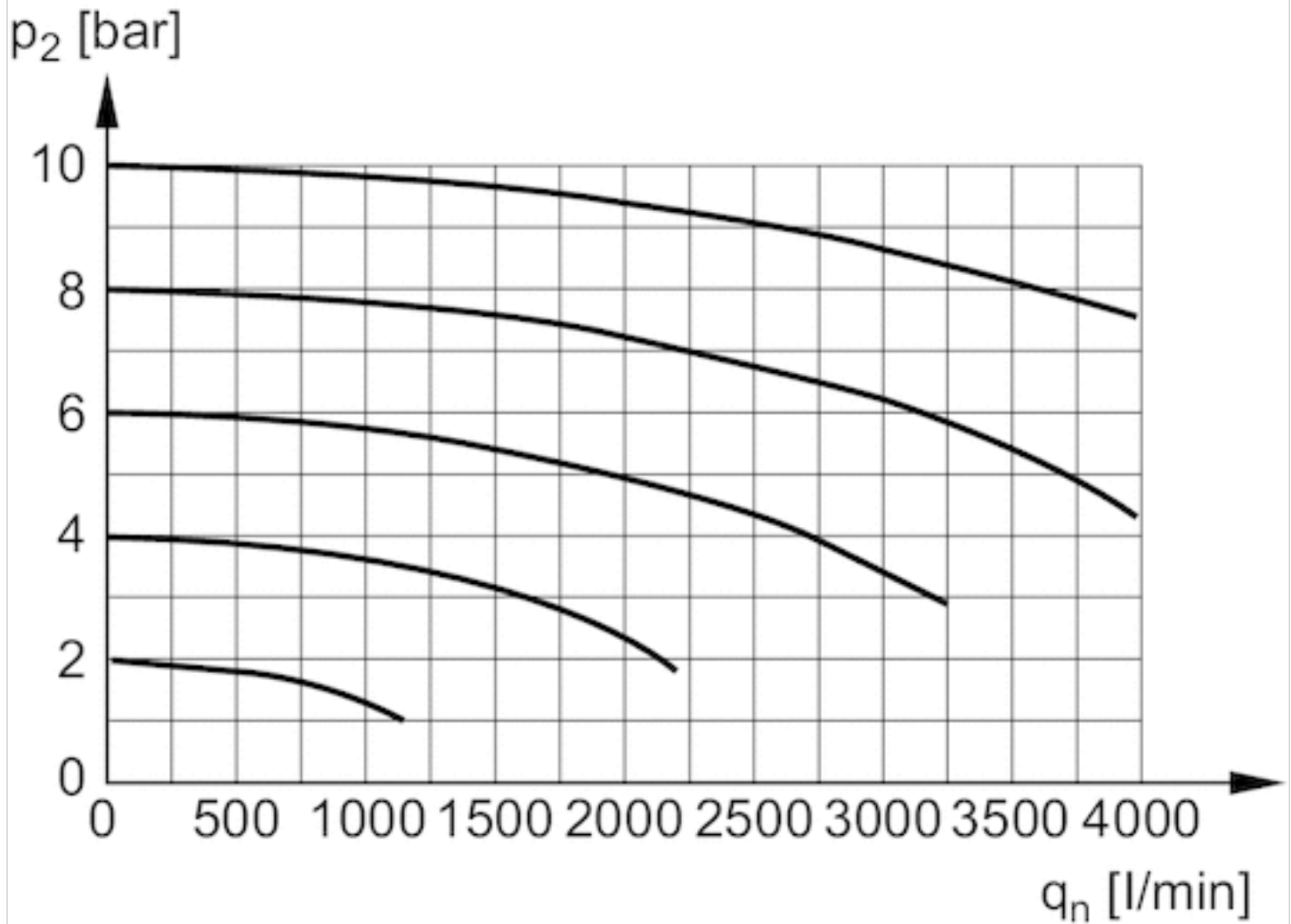
t = filling time, adjustable via adjustment screw (throttle)

1) Switching point: adjustable filling time, fixed change-over pressure $\approx 0.5 \times p_1$ (50%)

2) Throttle fully opened

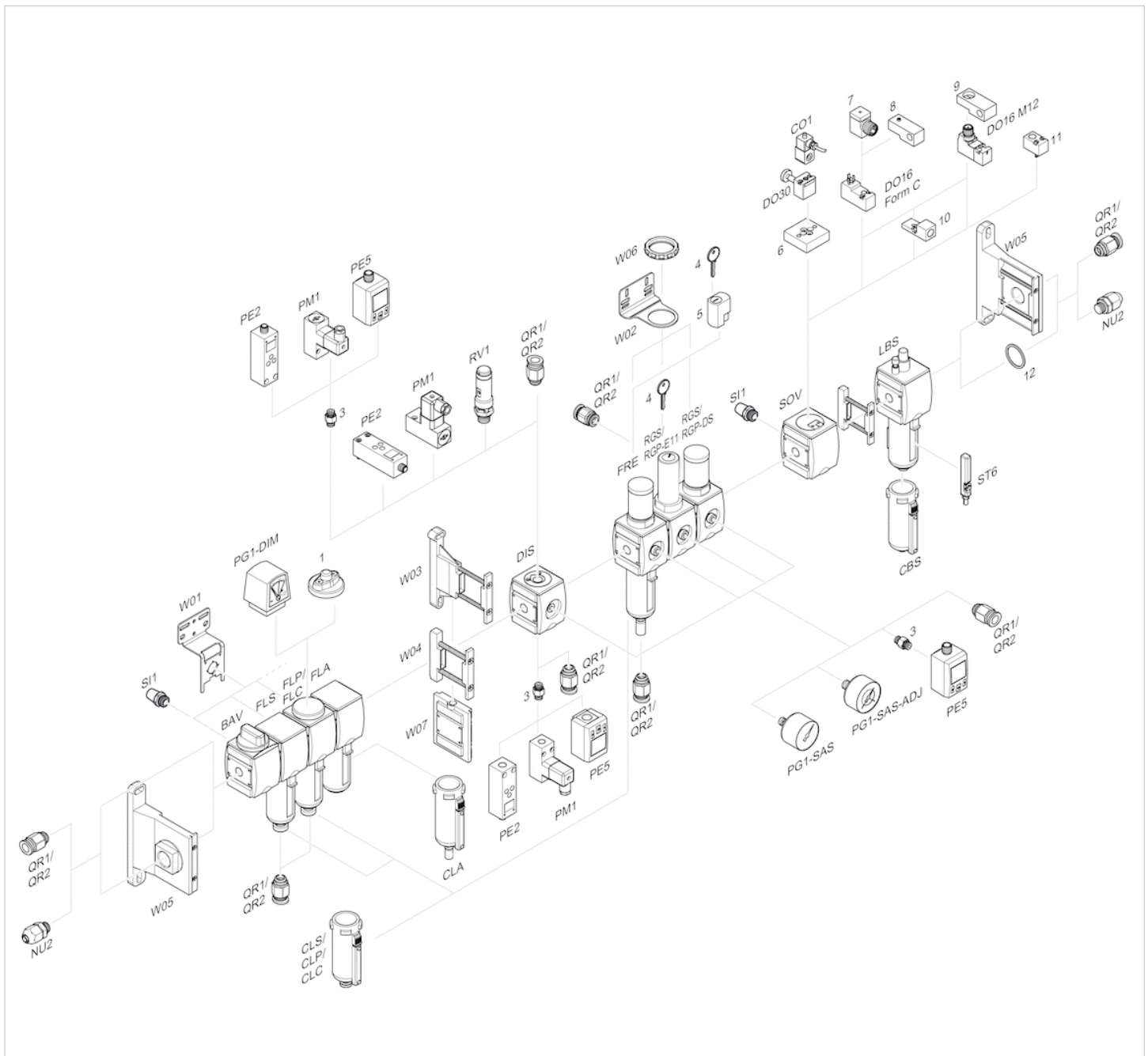
* Adjustment screw rotations

Flow rate characteristic



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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