AVENTICS Fine setting valves

Fine-Setting-Valve: Manually operated pressure regulators
with multiple manual actuating element choice.

Technical data

Industry	Industrial
Type	Poppet valve
Actuating element	Push button
Compressed air connection input	G 1/4
Compressed air connection type input	Internal thread
Compressed air connection output	G 1/4
Compressed air connection type output	Internal thread
Compressed air connection pilot air	G 1/4
Min. working pressure	0.1 bar
Max. working pressure	10 bar
Min. regulation range	0.1 bar
Max. regulation range	5.1 bar
Min. ambient temperature	-25 °C
Max. ambient temperature	70 °C
Min. medium temperature	-25 °C
Max. medium temperature	70 °C
Medium	Compressed air
Nominal flow Qn	900 l/min
Hysteresis	< 0,15 bar
control stroke	7.5 mm
Min. actuating force	100 N
Weight	0.6 kg

Housing material	Die cast zinc
Seal material	Acrylonitrile butadiene rubber
Part No.	3610547500

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).
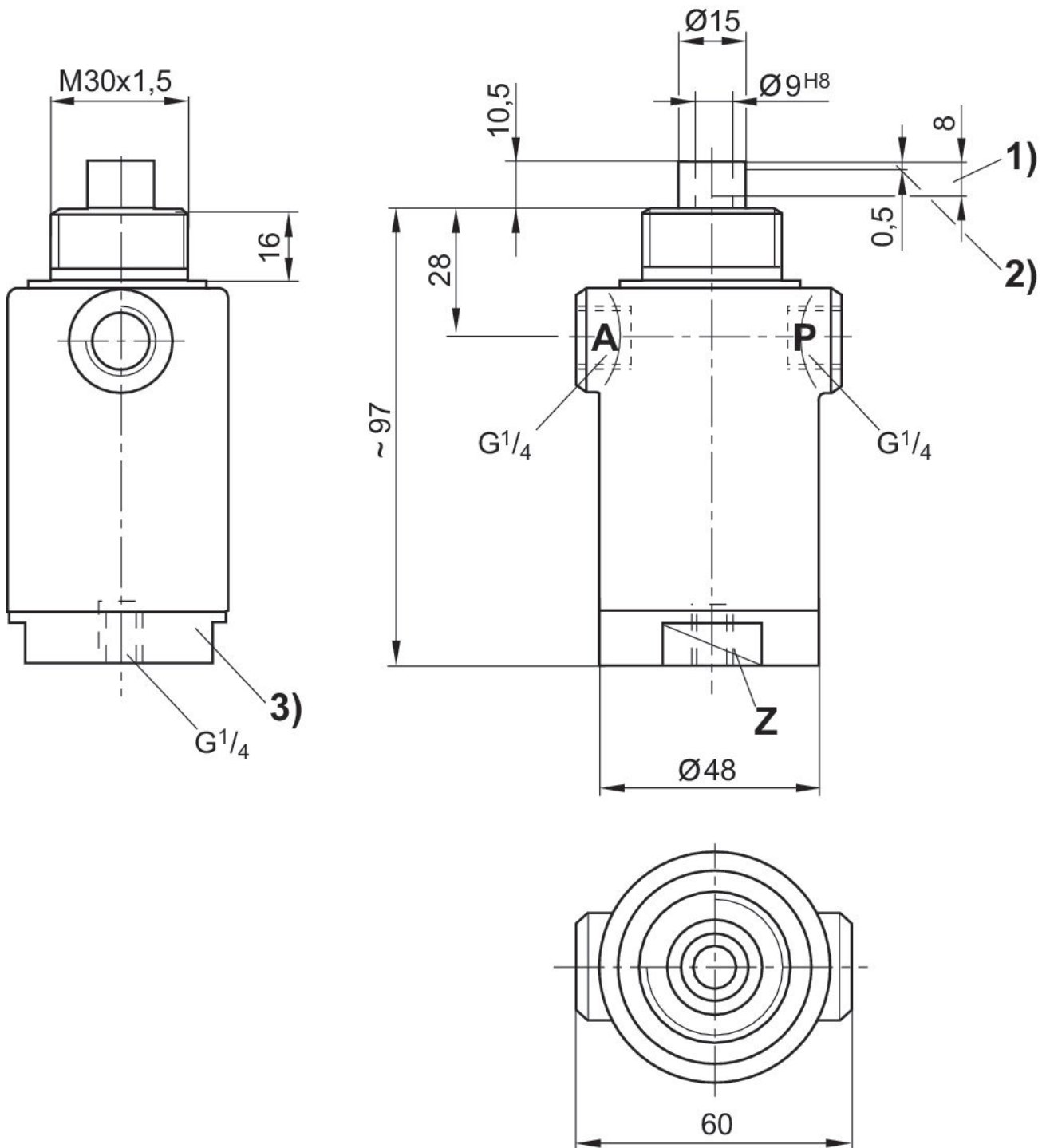
Dimensions

M30x1,5

16

Ø15

Ø9 H8

10,5

8

1)

0,5

2)

28

~97

A

P

G¹/₄

G¹/₄

3)

G¹/₄

Z

Ø48

60

1) Stroke 2) Closing or exhaust stroke 3) Screw cap
A = connection output
P = connection input
Z = control line connection

Fine setting valve

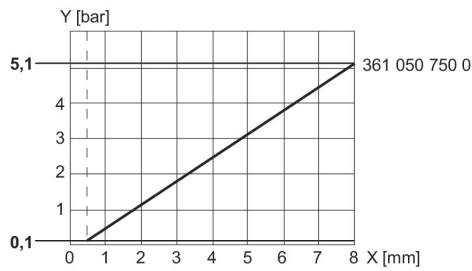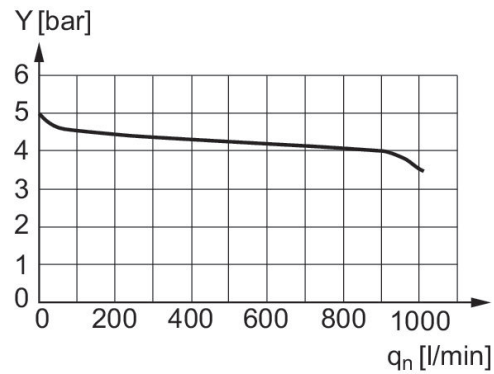3610547500

Pressure characteristics curve

Y [bar]

361 050 750 0

x = stroke
When pressurizing port Z, pressure in the operating line (port A) increases
by the pressure applied at port Z. The pressure at port A may not exceed
the pressure at port P.

Flow rate characteristic, p2 = 0,05 - 7 bar

Y [bar]

q_n [l/min]

input pressure: 8 bar, supply pressure: 6 bar y: pressure in line "A" [bar]