General

This new type of miniaturised pressure regulators are mostly indicated for the use on the secondary level of the pneumatic circuits.
Thanks to the contained dimensions are particularly indicated to be used very closely or directly mounted onto the consumption.

Three versions are available.

base model for individual use
with M5 threaded connections

Version rod G1/8" swivel ring
with female thread G 1/8" and G 1/4"
or push-in fitting for tube Ø4, Ø6 and Ø8

model with body in technopolymer
integrated gauge
and quick coupling fittings

Base model for individual use:

The regulating device is screwed into a aluminium block with M5 threaded connections both for the inlet and outlet.
It is possible to wall mount it via two through holes or panel mount it.

G/1/8" model to be directly mounted onto the valve

Compact design to be directly mounted onto the valves uses standard swivel rings with G1/8" female thread (ref 41218) or quick coupling fittings for tube sizes.
It is also possible to supply the regulating shaft without the swivel ring.

model with body in technopolymer and integrated gauge

is the more complete solution, comprises a movable gauge which enables to check the regulated pressure
Is manufactured using the same regulating unit as the base model fitted into a technopolymer body on which are inserted two quick coupling cartridges , 4mm or 6mm tube for inlet and outlet connections; two side plates lock the cartridges and gauge in position.
It is possible to join together more than one regulator by means of a dedicated adaptor made of technopolymer which must be inserted in the appropriate slot. (the air must be supplied independently to each regulator.)
Several mounting solutions are available: wall mounting via two mounting holes, on DIN rail using the specific accessories or on panels.

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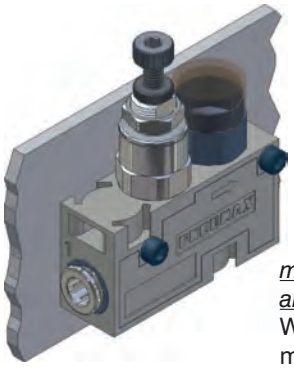
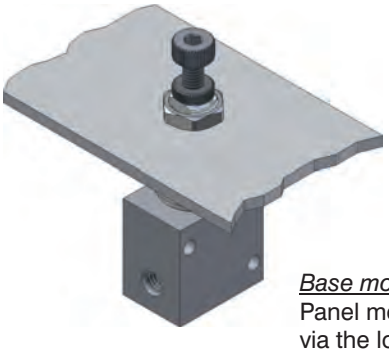
Mounting solutions

Several mounting solution are available

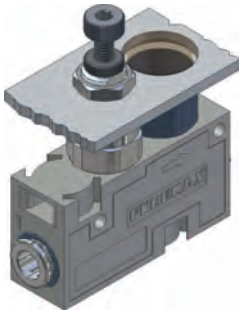
G/1/8" model to be directly mounted onto the valve:
Directly mounted onto the valves threaded connections (consumptions)



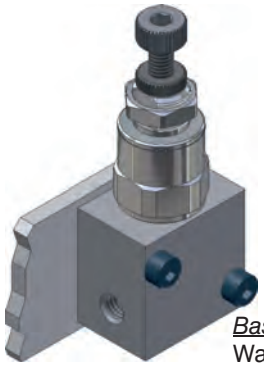
model with body in technopolymer and integrated gauge:
Wall mounting via the mounting holes on the body



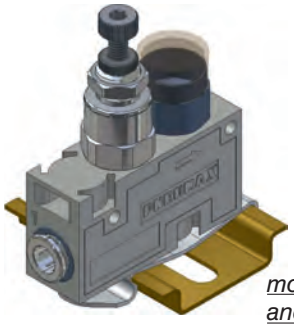
Base model:
Panel mounting via the locking nut



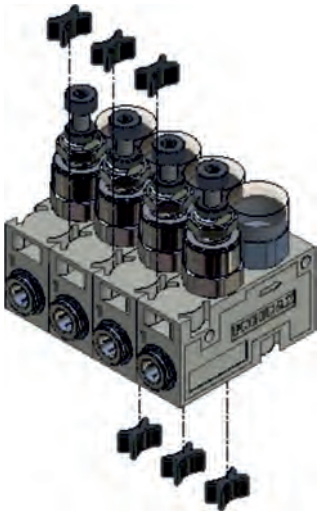
model with body in technopolymer and integrated gauge:
Panel mounting via the locking nut



Base model:
Wall mounting via the mounting holes on the body

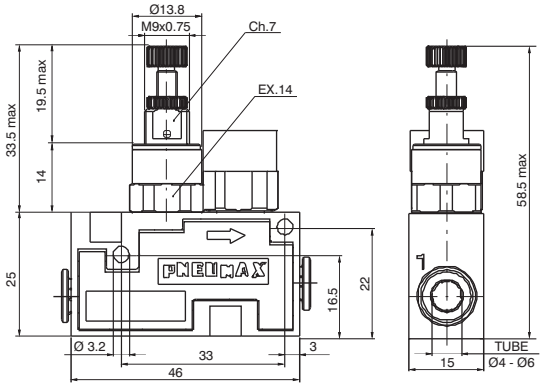


model with body in technopolymer and integrated gauge:
On DIN rail using the specific accessories



model with body in technopolymer and integrated gauge:
In batteries using the appropriate "X" shaped connecting insert.

Miniaturised pressure regulators



Ordering code

17522AⒸ.Ⓡ

Ⓒ	CONNECTIONS
	4= Tube Ø4mm
	6= Tube Ø6mm
Ⓡ	REGULATION RANGE
	C = 0 - 8 bar
	B = 0 - 4 bar
	A = 0 - 2 bar

Example: Miniaturised pressure regulators with technopolymer body and integrated gauge, with quick coupling cartridges for tube Ø6 mm and tube Ø4 mm, pressure regulation range 0 - 8 bar

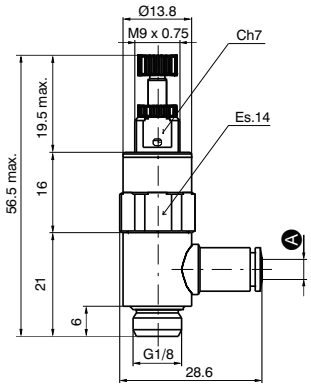
Operational characteristic

- Regulating cartridge = Nickel-plated brass
- Regulator body = Technopolymer
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Technical characteristic

Max working pressure (bar)	10 bar
Temperature °C	-5 - + 50
Flow rate at 6 bar with Δp=1 (Nl/min)	120 Nl/min.
Inlet connections sizes	Ø4 - Ø6
Consumption connection sizes	Ø4 - Ø6
Mounting positioning	Any

Miniaturised pressure regulators



Ordering code

17602AⒶ.Ⓡ

Ⓐ	SWIVEL RING
	0= None
	1= Swivel ring G1/8"
	4= Tube Ø4mm
	6= Tube Ø6mm
	8= Tube Ø8mm
Ⓡ	REGULATION RANGE
	C = 0 - 8 bar
	B = 0 - 4 bar
	A = 0 - 2 bar

Example: Miniaturised pressare regulators, version rod G1/8" swivel ring with female thread G 1/8", pressure regulation range 0 - 8 bar

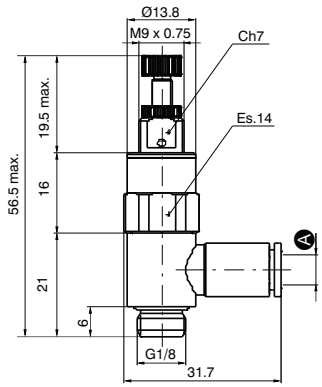
Operational characteristic

- Regulating cartridge = Nickel-plated brass
- Regulator body = Nickel-plated brass
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Technical characteristic

Max working pressure (bar)	10 bar
Temperature °C	-5 - + 50
Flow rate at 6 bar with Δp=1 (Nl/min)	120 Nl/min.
Inlet connections sizes	G1/8"
Consumption connection sizes	G1/8" - Ø4 - Ø6 - Ø8
Mounting positioning	Any

Miniaturised pressure regulators



Ordering code

17602BⒶ.Ⓡ

Ⓐ	SWIVEL RING
	0= None
	1= Swivel ring G1/4"
	4= Tube Ø4mm
	6= Tube Ø6mm
	8= Tube Ø8mm
Ⓡ	REGULATION RANGE
	C = 0 - 8 bar
	B = 0 - 4 bar
	A = 0 - 2 bar

Example: Miniaturised pressare regulators, version rod G1/8" swivel ring with female thread G 1/8", pressure regulation range 0 - 8 bar

Operational characteristic

- Regulating cartridge = Nickel-plated brass
- Regulator body = Nickel-plated brass
- Seals = Oil resistant nitrilic rubber (NBR)
- Plunger spring = AISI 302
- Regulating spring = Spring suitable steel
- Plunger = Oil resistant nitrilic rubber (NBR)
- Other parts = Brass

Technical characteristic

Max working pressure (bar)	10 bar
Temperature °C	-5 - + 50
Flow rate at 6 bar with Δp=1 (Nl/min)	120 Nl/min.
Inlet connections sizes	G1/4"
Consumption connection sizes	G1/4" - Ø4 - Ø6 - Ø8
Mounting positioning	Any