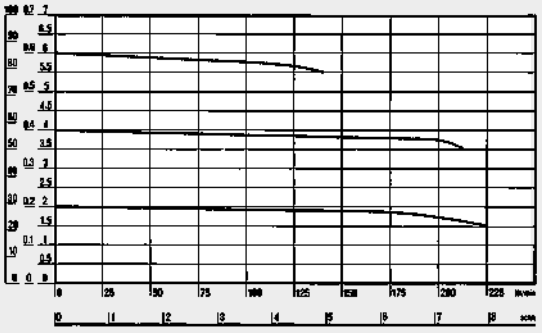
FLOW CHARTS

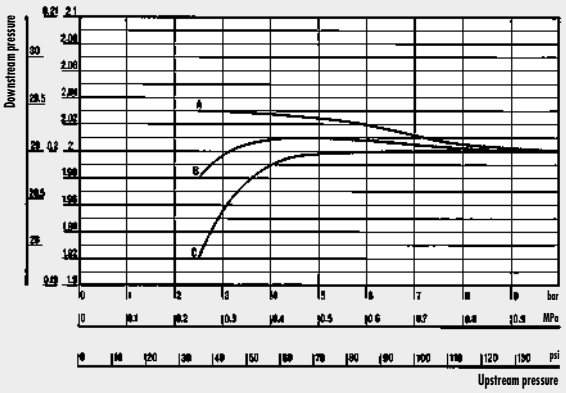
FLOW FEATURES REG. P 1/4"

Preset pressure
Pm = 7 bar - 0.7 MPa - 100 psi



REGULATION FEATURES REG. P 1/4" *

Flow rate: A = 0 Nl/min = 0 scfm -
B = 25 Nl/min = 0.88 scfm - C = 50 Nl/min = 1.76 scfm



REGULATION FEATURES REG. P 1/4" *

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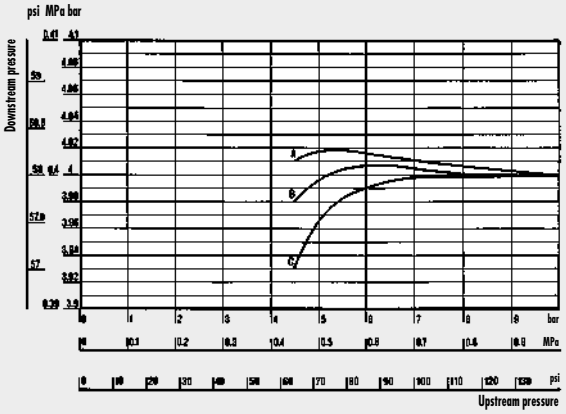

REGULATION FEATURES REG. P 1/4" *

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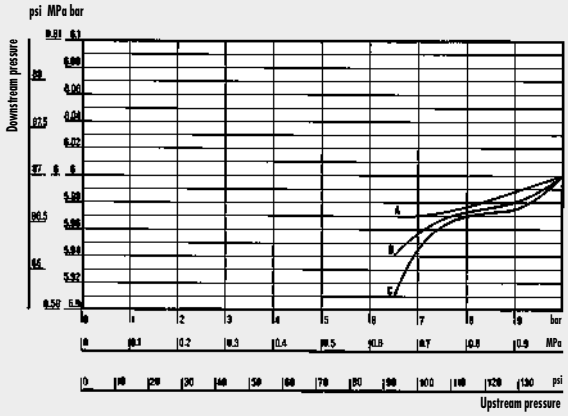

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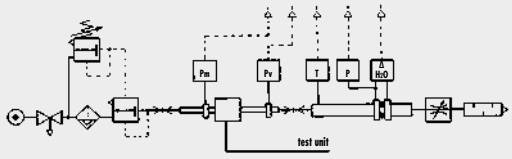
Turin Polytechnic

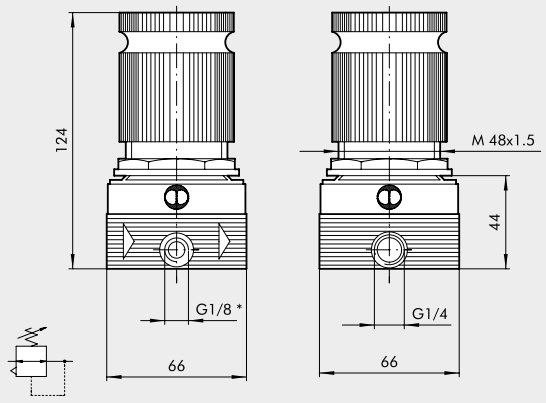


• Flow tests carried out at the Department of Mechanics, Turin Polytechnic, using the computerized test bench following CETOP RP50R recommendations (ISO DIS 6358-2-approved) with ISO 5167 diaphragm gauge.

* Pressure stability adjusted according to changes in upstream pressure.

DIMENSIONS

Code	Description
3206001	REG. P 1/4" 02
3206002	REG. P 1/4" 04
3206003	REG. P 1/4" 08
3206004	REG. P 1/4" 012



*Pressure gauge port

Skillair® PILOT REGULATOR

The pilot regulator is used when great accuracy is required in maintaining the set pressure under changing operating conditions.
It is ideal for use as:
• a precision regulator for flow rates < 100 Nl/min.
• a pilot in general - typically for large size regulators (see REG 400).
The system's high operating accuracy and low hysteresis are determined by the virtually total lack of friction.
The presence of a slight air leak is necessary for the regulator to operate properly - it is not a malfunction. It is advisable to use filtered air.

TECHNICAL DATA		PILOT REGULATOR
Threaded port		1/4"
Setting range	bar	0 to 2 - 0 to 4 - 0 to 8 - 0 to 12
Max. input pressure	MPa	1.3
	bar	13
	psi	188
Flow rate at 6.3 bar (0.63 MPa to 91 psi) ΔP 0.5 bar (0.05 MPa to 7 psi)		120 Nl/min - 4.3 scfm
Flow rate at 6.3 bar (0.63 MPa to 91 psi) ΔP 1 bar (0.1 MPa to 14 psi)		140 Nl/min - 5 scfm
Fluid		Filtered, lubricated or unlubricated compressed air.
		Lubrication, if used, must be continuous.
Max temperature at 1 MPa; 10 bar; 145 psi	°C	50
	°F	122
Weight	kg	0.6
Mounting position		In any position
Pressure gauge port		G 1/8"
Notes on use		The regulator pressure must always be set upwards.
		For increased sensitivity, use a pressure regulator with a rated pressure
		as close as possible to the required value.
		Do not take air from the pressure gauge ports. Mount directly on REG 400.

COMPONENTS

① Aluminium body
② Technopolymer knob
③ OT58 brass adjusting screw
④ OT58 brass scroll
⑤ Technopolymer bell
⑥ Technopolymer ring nut
⑦ Steel adjusting spring
⑧ Rolling diaphragm
⑨ NBR relieving gaskets
⑩ OT58 brass stem
⑪ Stainless steel ball valve
⑫ Stainless steel valve spring
⑬ NBR gaskets