

Equipment

Designation	Part number
REGMASTER (cold application) 400/40 bar - 1 plt	1061250111
REGMASTER (cold application) 400/80 bar - 2 plt	1061250121
REGMASTER (cold application) 400/120 bar - 3 plt	1061250131
REGMASTER (cold application) 400/160 bar - 4 plt	1061250141
REGMASTER (cold application) 400/200 bar - 5 plt	1061250151
REGMASTER (cold application) 400/40 bar - 1 plt	1061250211
REGMASTER (cold application) 400/80 bar - 2 plt	1061250221
REGMASTER (cold application) 400/120 bar - 3 plt	1061250231
REGMASTER (cold application) 400/160 bar - 4 plt	1061250241
REGMASTER (cold application) 200 bar - 5 plt	1061250251



Regmaster
Regulator for Viscous Materials

High precision for all high viscosity materials

Product highlights

- High precision
- Very large application window (pressure & flow rate)
- Multiple configurations available



Additional information

- User manual
- Spare parts
- Accessories
- Documents
- Videos



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Regmaster

Regulator for Viscous Materials

This pressure regulator for high viscosity products is the most precise and versatile on the market thanks to its numerous possible configurations.

Adapted industrial markets



Industrial



Transportation

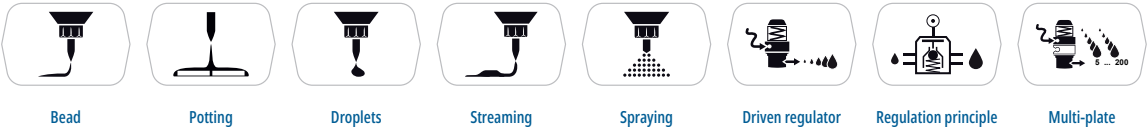
Technical data table

Designation	Value	Unit
Maximum Air Pressure	6 (87)	bar (psi)
Height	184 (7.24)	mm (in)
Diameter	150 (5.90)	cm (in)
Maximum Inlet Pressure	400 (5800)	bar (psi)
Outlet Pressure - Regulated Range	25 - 320 (73 - 580)	bar (psi)
Weight	6 (13)	kg (lbs)
Maximum Temperature	60 (140)	°C (°F)
Fluid Inlet Dimension	F 3/4 BSPP	
Fluid Outlet Dimension	F 3/4 BSPP	
Wetted Parts	Stainless steel 303	

Marking

Product	Type
Regmaster	CE 0080

Technologies



Description

The Regmaster controller has been designed with versatility and precision in mind. Its different configurations allow it to adapt its optimal regulation range to your application. Indeed, the choice of the number of diaphragms allows to select the pressure range. On request, we can also adapt the size of the piston to extend this range. We also offer different ball diameters (and fluid flow) to adapt the flow range upon request.

To improve response time and hysteresis, we have chosen to guide the piston with a ball bushing. It is the only regulator on the market that has this technology.

With its robust construction and carbide ball and needle, it is easy to maintain thanks to the accessibility of the wear parts. For acrylic products, we offer a stainless steel version on request. For thixotropic products (whose viscosity decreases under shear) we offer an optional diffuser.

Performances

- 1 - Multiple plates available: Large operating pressure range 5-200 bar
- 2 - Pressure range extension thanks to smaller piston size, up to 320 bar on request
- 3 - From small to high flow rates with different ball sizes on request
- 4 - Very high precision even at low pressures thanks to the ball bearing guide
- 5 - 80°C heated regulators available on request (24V or 220V)

Productivity

- 4 - Fast response time and low hysteresis for robotic applications
- 6 - Simple, compact design - Only 150 mm of diameter footprint
- 7 - Pressure air regulator for flow control as an option

Sustainability

- 3 - Carbide ball & seat for heavy-duty production
- 8 - High strength membranes
- 9 - Diffusor fitting for thixotropic materials on option
- 10 - Stainless steel body available on request

