

Equipment

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

Accessories

Designation	Part number
Bracket and fixing screws	155760089
Air regulator kit	155750908
Diffusor adaptor	206634




REGMASTER

Regulator for Viscous Materials

High Viscosity / Regulators



HIGH PRECISION FOR ALL HIGH VISCOSITY MATERIALS

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

Markets





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.

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. Also on request we offer different ball diameters (and thus fluid flow) to adapt the flow range.

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.



Technical data table

Designation	Value	Unit: metric (US)
Weight	6 (13)	kg (lbs)
Inlet Pressure Maximum	400 (5802)	bar (psi)
Outlet Pressure - Regulated Range	5 - 40 (73 - 580)	bar
Air Pressure Maximum	6 (87)	bar
Max Working Temperature	60 (140)	°C
Material Inlet and Outlet	3/4" G	
Wetted Parts - Stainless Steel	-	
Number of Plates	1	
Height	184 (7.24)	cm (in)
Diameter	150 (5.9)	cm (in)



Technologies



Bead



Potting



Droplets



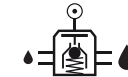
Streaming



Spraying



Driven Regulator



Regulation Principle



Multi-Plate

Performance

- 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 flowrates 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 Diffuser fitting for thixotropic materials on option
- 10 Stainless steel body available on request



Description

