

Equipment

Designation	Internal Fluid diameter (mm/ in)	Fitting IN/ OUT	Volt max (V)	Power(W)	Material	Pmax pressure (bar/ psi)	Part number
MAGMA 500 ID9 W/M HEATER 230V 3500W M1/2 JIC	9 (0.35)	M 1/2 JIC	230	3500	SST	500/7250	156160040
MAGMA 500 ID9 W/M HEATER 115V 1800W M1/2 JIC	9 (0.35)	M 1/2 JIC	115	1800	SST	500/7250	156160050
MAGMA 500 ID9 W/M HEATER 400V 3800W M1/2 JIC	9 (0.35)	M 1/2 JIC	400	3800	SST	500/7250	156160060
MAGMA 500 ID14 HV W/M HEATER 230V 3500W M3/4 JIC	14 (0.55)	M 3/4 JIC	230	3500	SST	500/7250	156160010
MAGMA 500 ID14 HV W/M HEATER 115V 1800W M3/4 JIC	14 (0.55)	M 3/4 JIC	115	1800	SST	500/7250	156160020
MAGMA 500 ID14 HV W/M HEATER 400V 3800W M3/4 JIC	14 (0.55)	M 3/4 JIC	400	3800	SST	500/7250	156160030
MAGMA 500 ID14 HV W/M HEATER 440V 3500W M3/4 JIC	14 (0.55)	M 3/4 JIC	440	3500	SST	500/7250	156160070

Accessories

Designation	Part number
TEMPERATURE INDICATOR FOR MAGMA 500 ID9	156160110
TEMPERATURE INDICATOR FOR MAGMA 500 ID14 HV	156160111
KIT FOR HEATING ATOMIZING AIR MAGMA 500	156160114

Spare Parts

Designation	Part number
HEAT EXCHANGER KIT FOR MAGMA 500 ID9	156160108
HEAT EXCHANGER KIT FOR MAGMA 500 ID14 HV	156160109
DIAL THERMOMETER MAGMA 500	156160115

Magma 500

Fluid Heater

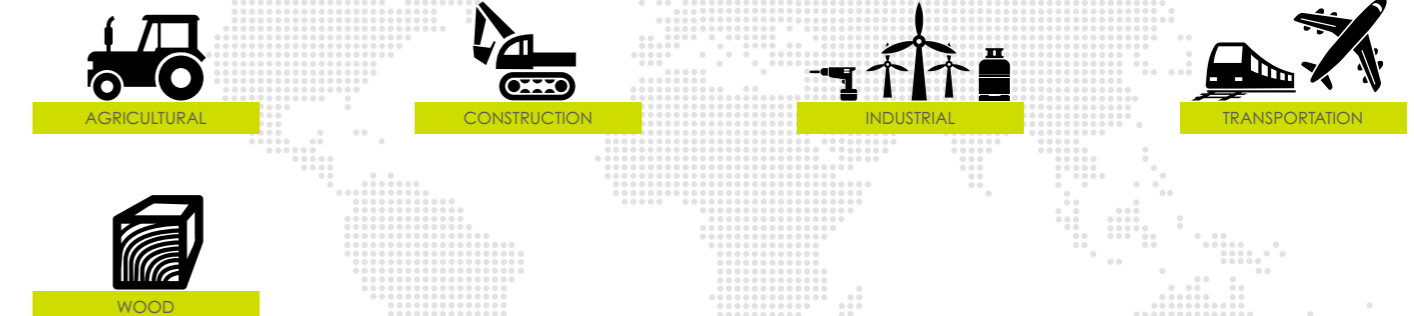
Airless® / Accessories



WARM UP PRODUCTIVITY

- High pressure for heavy duty applications
- Excellent performance even without circulation
- Stainless steel design compatible with most coatings

Markets





Magma 500

Fluid Heater

Fluid heater is an optional device used for material preparation and air heating. Magma heater range is available up to 500 bar (7250 psi) to supply for heated anti-corrosion applications.

Magma range is the only heater on the market to offer premium performances for all materials.

Magma heaters can be used in paint kitchens for circulation to maintain a constant temperature for each color or for direct heating (One Pass) to increase the temperature of the paint just before the application. This helps to atomize the paint at a lower pressure and reduces the use of solvents and thinners as heated paint will have a lower viscosity thus reducing VOC emissions. Additionally, the Magma heater can heat the atomizing air for faster drying times and increase finish quality in Airmix® or Airspray applications.

Our Magma heater is available in two sizes – 9mm (0.35in) ID for liquid to semi-viscous materials or a unique High Volume-HV 14mm (0.55in) ID for viscous to paste materials. For optimal safety, the range is fully explosion proof (II 2G Ex db IIB T4 Gb). (not applicable for NA)



Technical data table

Designation	Value	Unit: metric (US)
Height	500 (7250)	mm (in)
Width	17.6 (38.8)	mm (in)
Recommended Fluid Pressure	85 (185)	bar (psi)
Maximum Viscosity	100,000	cps
Rotation Speed	220 (8.7)	t/mn (rpm)
Torque at 100 rpm	405 (16)	Nm
Maximum Air Consumption	180 (7)	m3/h (cfm)
100% Silicone-Free	•	



Technologies



Airmix® spray technology



HVLP



Airless® spray technology

Performance

- 1 Perfect for High Solid coatings: minimizes pressure losses and allows high flow output
- ♦ Ultra high response time: 3800W heating power, material temperature rise of 50°C (122°F) at 1 lpm (0.26gpm)

Productivity

- 2 Air heating assistance: enhances atomizing air lowering the dry time and increasing the finish quality of Airmix® and Airspray coating
- 3 Precise temperature control: Maintains material temperature regardless of environmental factors

Sustainability

- 4 Safety: the full range of Magma 500 integrates a temperature limiter
- 5 Modular Design: Makes it possible to replace the lower fluid body without changing the electrical modules eliminating the need to purchase a completely new heater
- ♦ Fully Stainless steel construction makes it compatible with most materials



Description

