



One Henkel Way
Rocky Hill, CT 06067
Technical Information Help Line 1-800-562-8483
www.equipment.loctite.com

Product Description Sheet Loctite® 30 ml PUR Dispense System

North American Engineering Center

PRODUCT DESCRIPTION

The Loctite® 30 ml PUR Dispense System is designed to dispense dots or beads of Loctite® PUR Hot Melt adhesive products packaged in 30ml syringe barrels. The system consists of a Controller, Dispense Head and Pre Heater. The controller is an electro-pneumatic device to precisely control the amount of air pressure applied to the syringe barrel for a set time period to deliver a consistent amount of adhesive each time the system is actuated. The Controller has two heating circuits that can be used to heat two Dispense heads at the same time or (1) Dispense Head and (1) Pre-Heater. The system is designed to be used with Loctite® Benchtop Robots or can integrate into any stationary work cell.

The Loctite® SD15 Heat Controller and SD15 Tip Heater are accessories for our current 30ml Hotmelt PUR Dispenser (1464917 Syringe Head, 1464916 Controller), and is designed for use with Loctite® PUR 30ml dispensing system. It can be integrated with a Loctite® Robots. The system keeps needle warm when the PUR dispenser is not being used which will enhance the first piece's performance when going back to work.

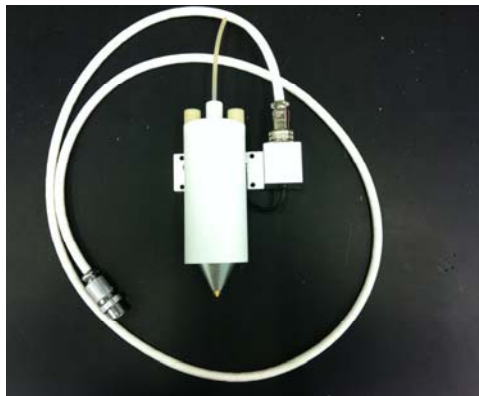
Loctite® 30 ml PUR Controller – 1464916



Loctite® 30 ml PUR Pre Heater – 1464917



Loctite® 30 ml PUR Dispense Head – 1464918





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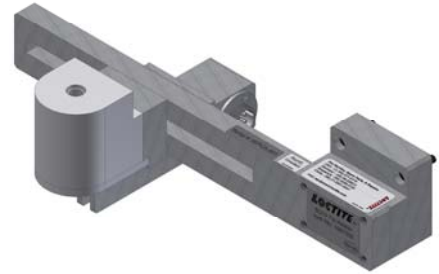
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The Loctite® SD15 Heat Controller-1667508



SD15 Tip Heater-1667509



PRODUCT FEATURES

- Integrated dispense time control, pressure control and temperature control features into one system
- Two independent temperature control channels: designed to control either the Loctite® 30ml PUR Dispense Head or Loctite® 30ml PUR Pre Heater
- Digital control for dispense head and pre heater temperature and dispense timer
- Analog air pressure regulator for syringe pressure control, 0-100 psi (7 bar)
- Dispense sequence can be foot switch actuated or externally actuated via another control source like a PLC
- Auto dispense mode for timed dispense control of beads or drops
- Manual dispense mode for variable volume applications
- PTFE safety shroud on dispense head
- Reduced material change over time when used with Loctite® 30ml PUR Pre Heater

TECHNICAL DATA

Attribute		Value
Dispense Time Range		0 – 99.99 seconds
Air Input		Clean, dry air not to exceed 125 psig (8.5 bar), and filtered with a maximum of 50 micron
Regulation Range of the Pressure Regulator		0 – 7 bar (0 – 100 PSI)
Power		Supply: 240 V / 50 – 60 Hz, 2.0A Internal: 24 VDC
Controller Dimensions	Width	250 mm
	Depth	160 mm
	Height	265 mm
Dispense Head Weight		710 g
Min Flow Rate (25 ga tip)		1 mg/sec*
Max Flow Rate (18 ga tip)		73 mg/sec*

* For reference only, this is not a specification. Flows rate were established dispensing Loctite® 3542.





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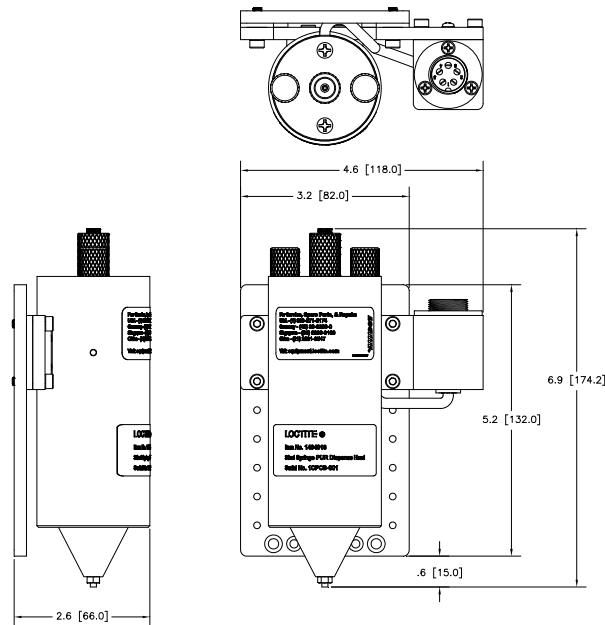
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SD15 Heat Controller 1667508

Attribute		Value
Power		Supply:220VAC/50-60 Hz
		Internal:24VDC
Dimensions	Width	127 mm
	Depth	194 mm
	Height	73 mm
Operation Temperature		+ 10°C to + 40°C
Storage temperature		- 10°C to + 60°C
Weight		1.5KG

PUR-Dispense Head-30ml syringe: 1464918





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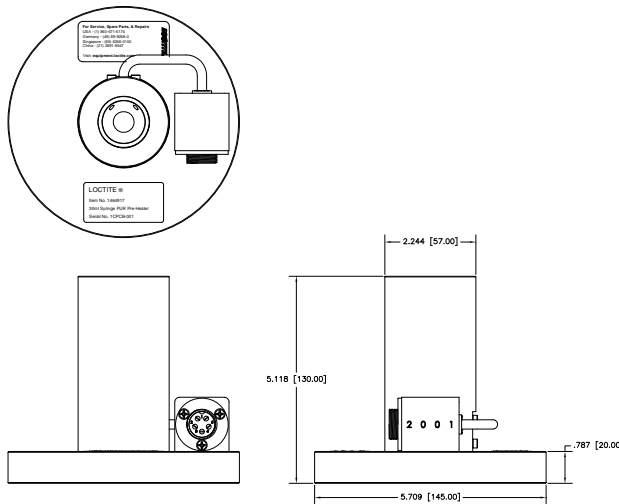
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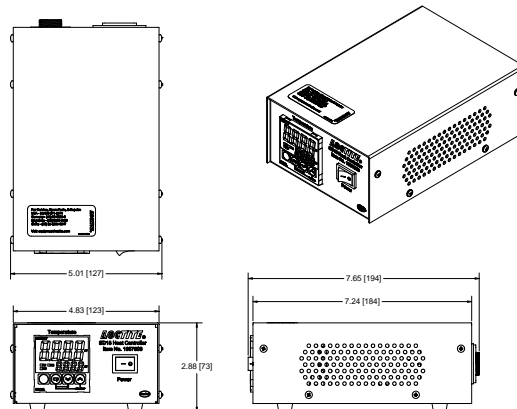
Needles Tips and Accessories (not shown)

Loctite Part Number	Description
985397	Loctite® Air Filter, Regulator, Gauge
97201	Foot Switch Assembly
1483249	Needle—All SS, 1/2" 18G
1483250	Needle—All SS, 1/2" 20G
1483262	Needle—All SS, 1/2" 21G
1483264	Needle—All SS, 1/2" 23G
1483265	Needle—All SS, 1/2" 25G
1500889	Needle—All SS, 1/2" 19G
8902749	PUR Dispensing Head Cable

PUR-30ml Syringe Pre Heater: 1464917



SD15 Heat Controller: 1667508



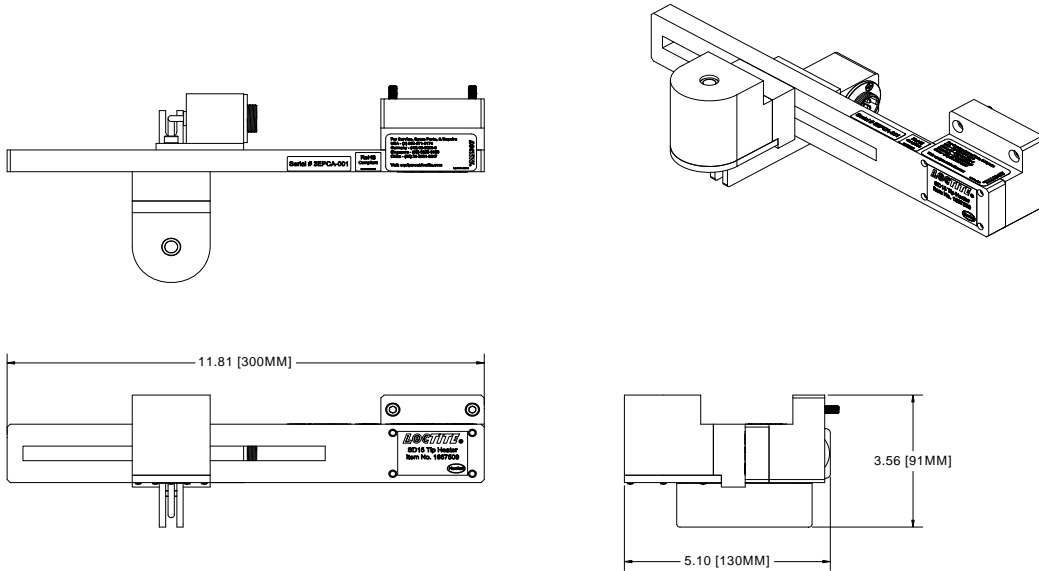


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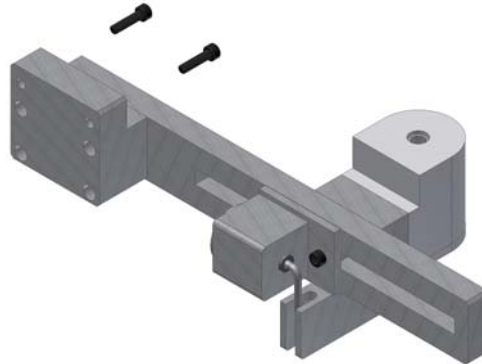
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SD15 Tip Heater: 1667509



Robot Mounting, Socket Head Cap Screws M5 x 20



Mounting Block Centers

