



Drug Delivery/Syringe Heaters Reduce Temperature Variation and Deliver Reliable Results

The Watlow® syringe heater was developed to match the unique needs of medical injection applications. It produces consistent results by reducing temperature and viscosity variations. Fluid and drug delivery that maintain precise liquid temperatures and reduce fluid viscosity maximize patient comfort and reduce risk. Body temperature injections are more easily introduced, particularly for patients in a frail or distressed condition.

The Watlow syringe heater is available in two configuration types with an optional, repeatable temperature sensing controller. The silicone/wire configuration accommodates varying syringe size needs. The translucent, high-tech laminate construction of the polycarbonate/foil design enables fluid levels and air bubbles to be easily viewed and monitored. Both heater forms are designed to “snap” on to the syringe with one hand and hold firmly during a procedure.

An overmold design houses the optional electronic controller and/or temperature sensor to allow trouble-free servicing and extend heater life. The overmold can be modified and color matched for seamless, integrated appearance.

Specifications

Silicone/Wire and Polycarbonate/Foil

- Length: 5 in. (127 mm) max.
- Formed heater diameter: formed to fit syringe. Typical diameter is 2 in. (50 mm) to 6 in. (150 mm)*
- Voltage: dependent on application, over 48V may impact agency approvals
- Control accuracy: 5.4°F (±3°C)
- Max. operating surface temperature: 185°F (85°C)
- Approximate control pod dimensions: 1 x 1 x 2.75 in. (25 x 25 x 70 mm)*
- Cord pull strength: Up to 89 N (20 lbf)*

* Dependent on design requirements

Features and Benefits

Long operational life

- Improves system reliability
- Reduces equipment down time and minimizes the need to reschedule procedures

Two heater configurations provide flexibility and adaptability

- Provides maximum flexibility to accommodate various syringe sizes (silicon wire)
- Provides high tech look and functionality (polycarbonate/foil)

Customizable to most OEM requirements

- Allows over-mold to be modified and color matched for a seamless, integrated appearance

Optional precise, repeatable temperature sensing control

- Maximizes patient comfort
- Minimizes patient risk
- Increases the consistency of test results by eliminating temperatures and viscosity variations
- Improves product life versus bimetal thermostats

Watlow® is a registered trademark of Watlow Electric Manufacturing Company.



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