Watlow® syringe heaters were developed specifically to match the unique needs of medical injection applications. Fluid and drug delivery that maintains precise liquid temperatures and reduces fluid viscosity maximizes patient comfort and decreases risk. Body temperature injections are more easily introduced, particularly for patients in a frail or distressed condition. Used in contrast delivery system applications for angiography and CT scanning, Watlow syringe heaters maintain temperature consistency and reduce viscosity variation to increase diagnostic accuracy.

Flexible and adaptable, Watlow’s syringe heaters deliver superior operational performance and long life and can be customized to meet most original equipment manufacturer (OEM) requirements.

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. Its smooth outer surface and radius on all inside corners facilitate easy cleaning.

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 a seamless, integrated appearance.

Features and Benefits

Long operational life
- Improves system reliability
- Reduces equipment down time—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 temperature and viscosity variations
- Improves product life versus bimetal thermostats

Specifications

Silicone/Wire and Polycarbonate/Foil
- Length: 5 in. (127 mm) max.
- Typical diameter: 2 in. (50 mm) to 6 in. (150 mm)*
- Voltage: dependent on application, over 48V may impact agency approvals
- Control accuracy: ±5°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: to 20 lbs*
* Dependent on design requirements

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

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