

VERSALINE 500 IN-LINE HEATER

Watlow's New Circulation Heater Offers Versatility and High Watt Densities in a Compact Package

VERSALINE 500 is Watlow's new value-added chamber assembly for in-line heating applications. This heating package is ideal for applications where a high watt density circulation heater is required but space is limited. All the necessary components, including a FIREROD® heater, inlet/outlet lines, a process thermocouple and a high limit thermocouple are presented in a compact package.

The size, features and wattage of the VERSALINE 500 is customized to fit application needs. The assembly is also proven to be used in various applications with flow rates ranging from 0.028 to 0.368 CMM (one to 13 CFM).

VERSALINE Sizes Available

Chamber Size	Description
4 in. (102 mm) long small	1.25 in. (31.8 mm) O.D. chamber with ¼ in. (6.4 mm) inlet and ¼ in. (6.4 mm) outlet and 2.25 in. (57.2 mm) flange for attachment to heater, all components made from 316L stainless steel
8 in. (203 mm) long small	1.25 in. (31.8 mm) O.D. chamber with ¼ in. (6.4 mm) inlet and ¼ in. (6.4 mm) outlet and 2.25 in. (57.2 mm) flange for attachment to heater, all components made from 316L stainless steel
8 in. (203 mm) long large	1.25 in. (31.8 mm) O.D. chamber with ½ in. (13 mm) inlet and ½ in. (13 mm) outlet and 3.25 in. (82.6 mm) flange for attachment to heater, all components made from 316L stainless steel
12 in. (305 mm) long large	1.25 in. (31.8 mm) O.D. chamber with ½ in. (13 mm) inlet and ½ in. (13 mm) outlet and 3.25 in. (82.6 mm) flange for attachment to heater, all components made from 316L stainless steel

***Not all options are available for all application requirements.**



Features and Benefits

Integrated thermocouple and enclosure

- Allows easy installation and use
- Eliminates additional parts and wiring
- High-limit internal sensor available

High performance FIREROD® is used as heat source

- FIREROD® is agency approved
- Proven performance in air and liquid applications

Chamber is constructed from a standard tube surrounding the heater

- Ideal solution for space-restricted applications
- Allows assembly to be placed in smaller vessels
- Versatile assembly options
- Cost-effective assembly

Interchangeable parts

- Replaceable heater
- Replaceable process thermocouple

Applications

- Analytical fluid warming
- Medical equipment
 - Dialysis machines
 - Wash down cycle
- Gas in-line heating
 - Nitrogen
 - Air



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Specifications

Chamber specifications

- 1.25 in. (31.8 mm) O.D. standard, other sizes available
- 4 in. (102 mm) minimum length
- Incoloy®, 304SS or 316SS
- Operating pressures up to 80 psi
- Inlet/Outlets available in 0.25 in. (6.4 mm) and 0.50 in. (12.7 mm)
- Straight tubing is standard and fittings are optional

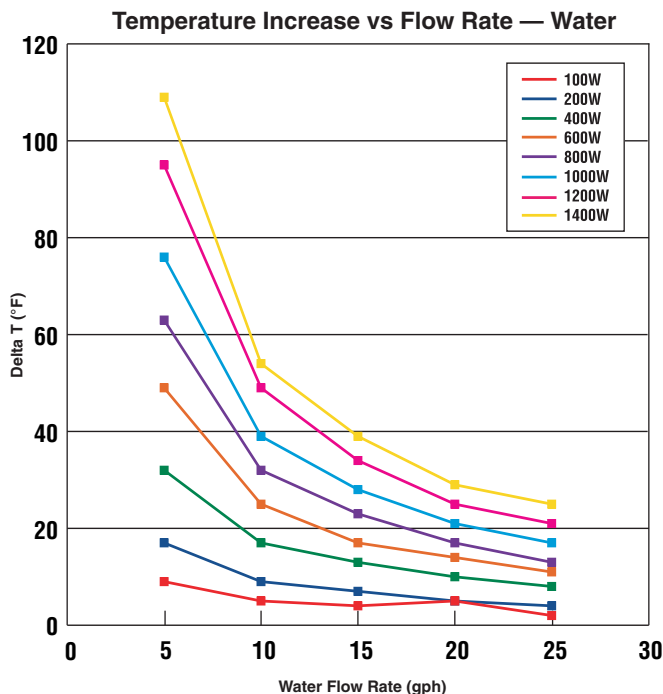
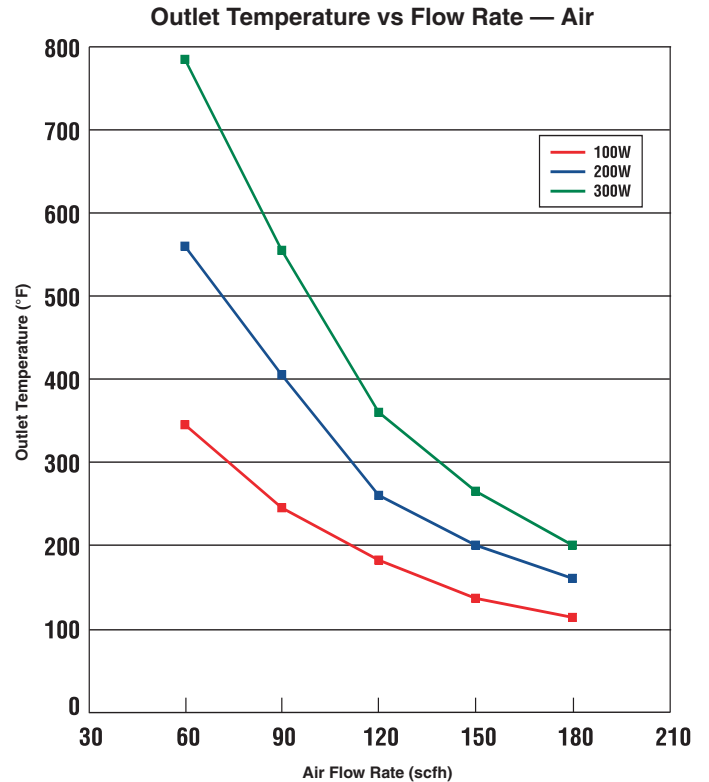
Heater Specifications

- Up to 480V, 3-phase
- Up to 7700W
- Up to 45 amps
- Up to 762 W/cm² (300 W/in²)
- FIREROD® maximum operating temperature 760°C (1400°F)

Options

- Sheath finish passivated, electropolished
- Process thermocouple
- High-limit thermocouple
- Lead protection
- Chamber insulation
- Thermocouple plugs and power leads

Note: Replacement heaters are provided with flange and silicone rubber gasket.



Please be advised that these graphs only represent one version of this product (the photo on the front). The biggest selling feature to VERSALINE is its flexibility in size, wattage and options to fit a wide variety of applications. Please contact 1-800-WATLOW2 for inquiries.

Incoloy® is a registered trademark of the Special Metals Corporation.

To be automatically connected to the nearest North American Technical and Sales Office call:

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