

# ASSURANT SUB FAB™

with **WATGEL™** Technology

## Next Generation Line Heating Solution by **Watlow®**

As semiconductor technology advances with smaller node sizes and more complex chip architectures, the energy required for production increases significantly. This makes energy efficiency across the entire fab mission critical for semiconductor producers. **ASSURANT SUB FAB™** offers a solution by utilizing **WATGEL™**, Watlow's most advanced insulation material that significantly enhances energy efficiency. This not only supports a path to net-zero emissions but also enables more sustainable production practices, helping manufacturers reduce their carbon footprint without compromising their productivity.

### Features and Benefits

#### Three-piece heating system that includes:

- Integrated control panel system with 7" HMI.
  - Optional secondary power distribution panel for extended coverage.
- Independent **EHG 3™** single zone PID controller per heater.
- Independently controlled **ASSURANT** heater jackets with advanced **WATGEL** insulation technology.

#### Better thermal control:

- Shorter heating zones can be controlled individually, allowing more uniform heating and better response to temperature fluctuations. This can reduce clogging and increase time between required maintenance.



#### Less energy, less cost:

- Next generation insulation materials means 30% to 50% better energy efficiency (when compared to standard 10mm fiberglass insulation).

#### Easier to use:

- A more modern human-machine interface (HMI) allows for a better user experience. View and export data more easily compared to current solutions. Adjust settings on individual heaters from a centralized touchscreen.

#### Prepare for the future:

- **WATGEL** insulation technology can be your first step in reducing energy usage and enabling better data collection for process analytics when used in conjunction with Watlow's **THERMALWATCH™** intelligent analytics package.

#### Available in 2 inch increments:

- Standard, one piece straight length heater options speed up the time required to customize unique line sizes, allowing for a tailored fit for all pipe lengths. Custom shapes are available for complex geometries like valves.

## Specifications

### Operating Temperature:

- Up to 220°C (428°F)

### Pipe diameters available:

- 1.5", 2", 3", 4", 6"; others available by request

### Voltage:

- 208V, single and 3-phase support. Other voltages available by request.

### Heater lengths:

- 6" to 36" in (2" increments to accommodate all pipe lengths)

### Certifications:

- Heater jackets UL, CE and Semi S2 compliant

### EHG 3 single loop PID controller per heater

- Improves terminal uniformity with independent heater control.

### 7" HMI user interface with intuitive graphics

- Centralized visual control for an enhanced user experience.

## Key Benefits

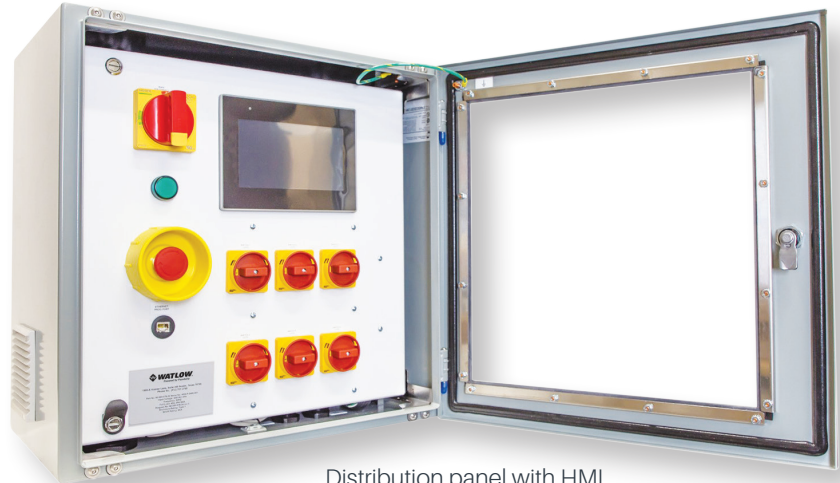
### Watlow's Superior Service and Support

**ASSURANT SUB FAB** comes with our world-renowned service and support. Our manufacturing expertise and knowledge of the full thermal loop means that you have access to a team of experts to help measure, install, and monitor your products, extending their lifespan and the lifespan of your other equipment.

Contact Watlow today to schedule an on-site demo at [watlow.com/contact-us](http://watlow.com/contact-us)

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

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Distribution panel with HMI

EHG 3 temperature controller



ASSURANT SUB FAB heater jackets with WATGEL technology

