

# TRIVOLT

industries

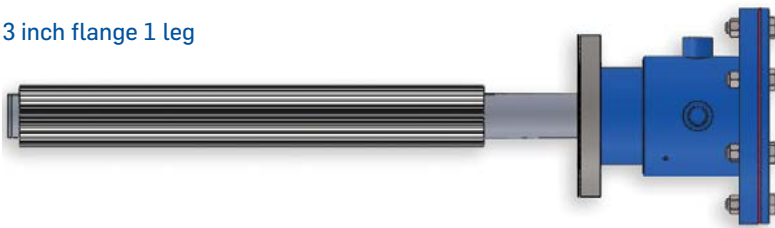
PROCESS HEATING, CONTROLS & SYSTEMS

# ALUMA IMMERSION HEATERS

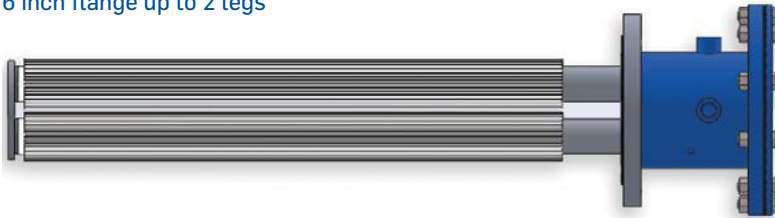


- High power, low density to minimize carbonization
- Vertical fins easy flow of fluids
- Compact design
- Up to 300 watts per linear inch maintaining 10 watts per square inch
- Aluma heaters allow skid manufacture to down size vessel and maintain the same power, resulting in large savings.
- Aluma heaters generate more power per linear inch than traditional immersion heaters. Users can increase production capacity if required by using our Aluma Immersion without any mechanical change to their vessel.

3 inch flange 1 leg



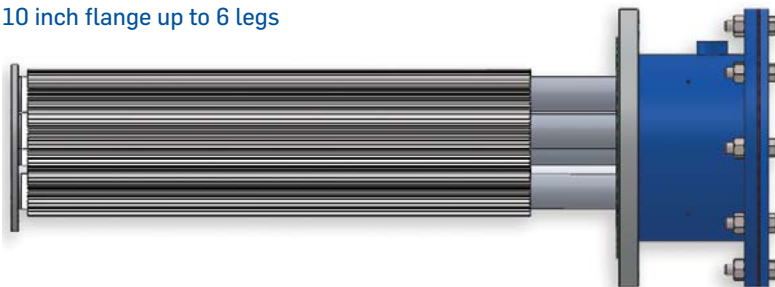
6 inch flange up to 2 legs



8 inch flange up to 4 legs



10 inch flange up to 6 legs



## Specifications

Aluminum extrusion 6061 T.

Available 150 lbs flange up to 600 lbs.

From 3 to 36 inch flange.

Up to 300 watts per linear inch and maintain 10 watts per square inch.

High limit TC available, assembled on the heater.

Process TC available, assembled on the heater.

Maximum operating sheath temperature of 350°F.

Electrical connection with separate terminal block for easy connection.

Up to 98 inches in B-dimension.

Available voltage is 120 volts up to 600 volts, single-phase or three-phase, multiple stages.

Anti-corrosion treatment (TVC-01) option available on all heaters.

Nema 1, Nema 4, Nema 4x, Hazloc available on all heaters.

CSA, C-UL certified.

# ALUMA CIRCULATION HEATERS

TriVolt Industries offers standard and custom engineered electric circulation heaters designed to meet most application and site requirements. Whether shipped loose or packaged as a skid with control panel, TriVolt Industries can provide a complete solution for your application. TriVolt Industries circulation heaters are available in a traditional screwplug or flanged immersion heater design.

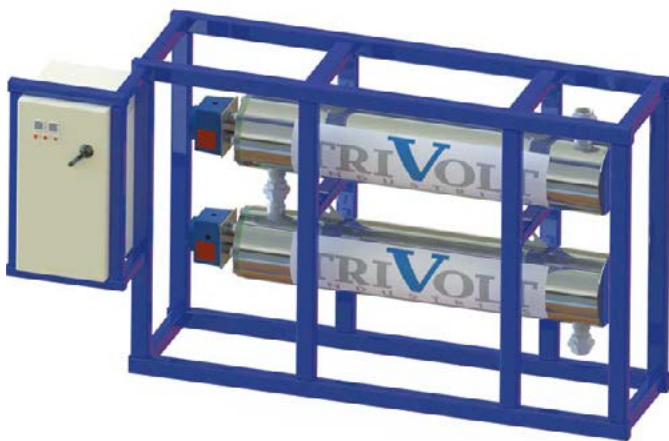
TriVolt Industries also offers an extensive line of ALUMA circulation heaters suitable for applications where space is an issue. Our electric process heaters are manufactured to the highest quality standards. Contact our application engineer for more information.

The ALUMA circulation heater is specially designed where low wattage density surface applications are required.

- Available in aluminum, standard carbon steel, stainless steel, and exotic materials such as titanium.
- All of our circulation heaters can be manufactured from 1 to 3 inch NPT, at 150 to 300 PSI.
- Can be mounted on a flange ranging from 2" to 10" (150 to 300 PSI).
- Our units are designed to minimize heat loss through built-in ceramic fiber insulation installed in a stainless steel sheet housing.
- The ALUMA circulation heaters are available with NEMA 1, 4, 7, 12 and all Crouse Hinds enclosures compliant with CSA-CUS and HazLoc certifications.
- All ALUMA circulation heaters can be provided with sensors for temperature reading and/or high limit.

**Applications:** water heating, freeze protection, heat transfer oil heating, fuel oil heating, steam, air, gas heating, asphalt; any fluids or compressed gases.

Circulation heater on skid, complete with control panel



Circulation heater on skid



Individual circulation heater



ALUMA finned immersion heater



Flanged immersion heater





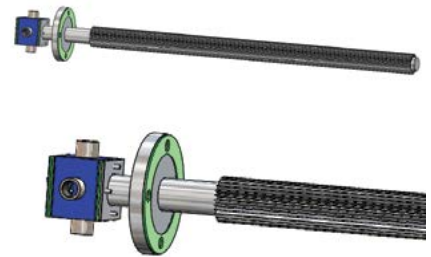
### Immersion Screw Plug & Flange Heater

- Element material: Stainless steel, copper or incoloy
- Up to 300 lbs flange
- Nema 4 and Nema 7 housing
- Built-in thermostat and sensor available



### Triflex Immersion Screw Plug & Flange Heater

- Tube material: Stainless steel or aluminum
- Up to 300 lbs flange
- Nema 1, 4, 4x or Hazloc housing
- Flange mount or screw plug available



### Aluma Finned Immersion Heater

- Available in aluminum (T-6360), standard carbon steel or stainless steel
- Low watt density surface



### Systems

- Control panel with circulation heaters
- Control panel with duct heaters
- All special systems available



### Control Panel

- Temperature control panels
- Temperature control panels with SCR switching
- Different Nema enclosures available
- Multiple zones



### Duct Heater

- Available in open coil and tubular style
- All voltages and systems available
- Complete with controls and contactors

More details online: [www.tri-volt.com](http://www.tri-volt.com)

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