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## Circulation Heaters

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Circulation heaters heat liquids or gases as they pass through the heater. These high-quality, self-contained heaters are designed for optimum heating performance and efficiency.

Argus Heating can custom design circulation heaters to suit your specific requirements.

### Applications

Typically used for:

- Heating caustic solutions such as CIP (clean in place) solutions.
- Heating water to specific temperatures for a variety of applications.
- Reducing the viscosity of degreasing oils and solutions.
- Pre-heating different grades of oil for disposal.
- Warming forced air and gases.

### Features and benefits

- Circulation heaters can be mounted vertically or horizontally. Two threaded mounting lugs are welded to the case to assist with mounting.
- Suitable for use in aggressive and corrosive environments.
- Heating elements are easily removed and replaced.
- Argus Heating can provide temperature control systems customised to suit your needs.



Argus Heating's high quality circulation heaters are designed for optimum heating performance and efficiency.

### Construction

- Sheath materials: Incoloy 800, 316SS, 304SS, 321SS, copper.
- Flange material: Incoloy 800, 316SS, 304SS, low carbon steel.
- Vessel material: SA53B or SA106B steel, suitable for operating temperatures up to 399 °C.
- Stainless steel outer jacket for protection.
- Terminal housing: general purpose (NEMA 1), moisture resistant (NEMA 4), explosion proof (NEMA 7).
- Large range: 3" to 14" flanged immersion heating elements available with 150lb steel or 300lb SS flanges.
- Wattage range: 3kW to 375kW, 3ph supply.
- Watt density range: 1.3W/cm<sup>2</sup> to 9.3W/cm<sup>2</sup>.

Contact Argus Heating for expert advice on the best heating solution for your application.

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