



Circulation or Recirculation Heaters



Circulation Heaters

Circulation Heaters are Flanged or Screw plug heaters that are mounted in a pressurized vessel, and are a complete unit for heating flowing gases or liquids. Compact and highly efficient heaters are ideal for side arm or inline applications in either natural circulation or forced/pumped systems. The wide variety of options make Circulation Heaters suitable for most applications like Heating Fuel oil, Air, Steam Superheating, Corrosive gases & liquids, Water and or delicate liquids like brewers grain for Beer.

Circulation Heaters Features: High

- efficiency heat transfer Pressure
- ratings to 600 lbs
- ANSI Standard NPT or ANSI Class 150 connections
- Heaters could be screw plug or flanged
- Stainless steel construction with Canadian Vessel Registration Various
- housing options available NEMA 4, 4X, explosion proof Suitable for steam,
- oils, chemicals, gases, corrosive solutions

Circulation Heaters Specifications / Design Capabilities:

Voltages.120 to 600 Volts
Inlet/outlet.N PT 1 /2" to 21 /2"
Flanges 2" to 14" 16" to 24" on request
Heater.NPT or flange mount as required
Wattage's.Varied from 150 watts to 1 Megawatt

Sheath Materials. Titanium, Monel, Incoloy, 316/304 Stainless, Steel Copper,
Carbon Steel
Max Temperatures. Incoloy 1600 degrees F (870 C)
304 / 316 Stainless Steel 1200 degrees F (650)
Steel 750 degrees F (400 C) Copper 350 degree F (175 C) Pressure
Rating. 150, 300 or 600 lbs
Flange Materials. Standard Carbon Steel or 316/304 Stainless Gaskets.
. Rubber, Asbestos Free, or Spiral wound Terminal Enclosures.
General Purpose (NEMA 1),
Moisture Resistant (NEMA 4), Corrosion
Resistant (NEMA 4X), Explosion Resistant (NEMA 7), Explosion
Moisture Resistant (NEMA 7/4)
Temperature control. Thermocouple, RTD, or Thermostat High Limit.
. High Limit Thermocouple, Hi Limit Tstat, Certification.
ASME, CRR, Heater & Vessel certification



NATIONAL PLASTIC HEATER, SENSOR AND CONTROL INC.

www.nph-processheaters.com

sales@nphheaters.com

Toll Free: 1-877-674-9744

Tel: 905-859-8225

Fax: 905-859-4691

Terms and conditions posted below apply
www.nph-processheaters.com

