RECIRCULATION HEATING SYSTEMS



Ideal for Heating Oils, Acids, Asphalt, Beer, Chocolate, Fatty Acids, Gases, De ionized water, Steam superheating, Cleaning and Electro-Plating Solutions.

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
Heater mount as required Vertical Or horizontal
Wattage's
Sheath Materials
Steel, Copper, Carbon Steel
Max Temperatures Incoloy 1600 degrees F (870 C)
304 / 316 Stainless Steel 1200 degrees F (650 C)
Steel 750 degrees F (400 C) Copper 350 degree F (175 C)
Pressure Rating
Flange Materials Standard Carbon Steel or 316/304 Stainless
Gaskets
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

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