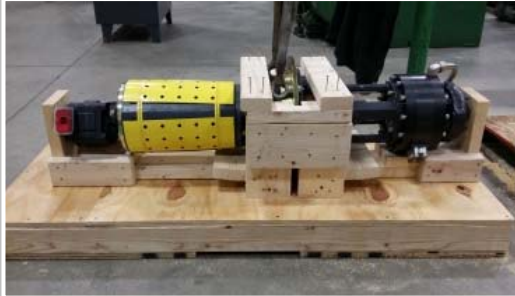


Dynamic Heat Generator

ASPHALT APPLICATION



- Vertical Driven Dynamic Heat Generators have gained popularity in different industries due to their flexibility in design and the ability to operate at elevated temperatures, deal with harsh fluids or, as with all DHG, operate (*properly equipped) without fluids present. An industry that has taken advantage of the vertical driven heater and its high temperature capacity (+500 deg F) is the Asphalt Crack and Seal Coating Industry.
- The heater warms fluid that is circulated—warming the tar. This heater is taking the place of current open flame style heaters due to the emission laws primary on the east and west coasts of the United States. Foregoing the flame not only results in less emissions but it also eliminates the open flame, which reduces the chance for fire, burns and high exiting stack temperature. It further improves the efficiency since excess heat generated does not flow to free air.
- In this application, the heater is driven via a hydraulic motor allowing the unit to ramp up and down speed to met desired heat requirements.

dy-nam-ic heat gen-er-a-tor [dahy-nan-ik, heet, jen-uh-rey-ter]
noun

1. A machine that effectively converts mechanical energy into heat.
2. A device that converts mechanically energy (rotary) to heated fluid energy. Driven shaft and rotor forces fluid into a centrifugal and spiral motion, propelled fluid collides into fixed end plates creating sheared (heated) fluid.



ISLAND CITY LLC

www.islandcity.us

Model

V1R7196

Drive (Input)

SAE B mount or NEMA electric motor

Drive (Output)

SAE pump mount or Centrifugal pump

Exterior Mount

Vertical mount with flange

Capacities (Heat Output)

Rated output of 50Hp – 130,000 BTU/HR of continuous heated fluid at 3,600 RPM

Flow Rate (GPM)

Typical flow rate of 10-20gpm at rated speed

Standard Ports – ORB

Alternate ports – optional

Fluids

50/50 Glycol

Petroleum Oil

Alternate Fluids – Upon Approval

Efficiency

95% or better at design speed

**ISLAND CITY** LLC

1800 West Taylor Street Merrill, WI 54452
Phone 715-536-8600 Cell 920-540-6086
www.islandcity.us

DISTRIBUTORS

For a complete list of distributors refer to www.islandcity.us - Contact Us – Distributors.