

Dynamic Heat Generator

N2 FRAC APPLICATION



- Our A1R1390 SAE D Dynamic Heat Generator has been a main stay of the N2 Frac Market for over 15 years, providing heat to augment nitrogen in the Frac process.
- With 1000's of units afield, the DHG has grown from the original A1R series to D1R Departure Series providing updates to Seals layouts, bearing options and alternate materials to adapt to the increased requirements of end users.
- Layouts of the units are manufactured in both flooded and non flooded configurations, offering flexibility that flame style units do not have.
- Units operate without flame or fume making units desirable for operation at the well head or where the environment is a concern.

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

A1R1390

Drive (Input)

SAE D input drive

Drive (Output)

Thru drive SAE A, B, or C
Alternate pump mounts

Exterior Mount**Capacities (Heat Output)**

Rated output of 10Hp to 450Hp continuous heated fluid at 2,100 RPM

Flow Rate (GPM)

Typical flow rate of 3-40gpm nominal (200gpm alternate layout) 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.