



Enhanced Air-Finned Cooler

Eliminates Cooling Water Requirements in Mechanical Seals

Eliminate Water and Forced Air Coolers for your Mechanical Seals.

Mechanical Seals generate heat and need lubrication. These systems use water to cool the seal. Water systems need to be topped out and would need de-scaling on a regular basis which in turn leads to thinner walls of heat exchangers. While these have been replaced by Forced Air Coolers, water coolers are still in use.

Advantages of Shandilyas' Air Finned Cooler:

- No forced Air Draft.
- No Water Needed.
- No topping the Systems
- Small and Compact Design.
- No De-scaling Required.
- Could be used for API Plan 21 application Minimal Maintenance.
- No Spill- No Contamination on the production or Factory Floor.
- Environmental Friendly.
- No consumption of Energy.
- Ever Lasting.
- Could be used for 3 lts to 6 lts/min Flow and could be used for cooling from 300°C to 95°C.

Design Features/Benefits

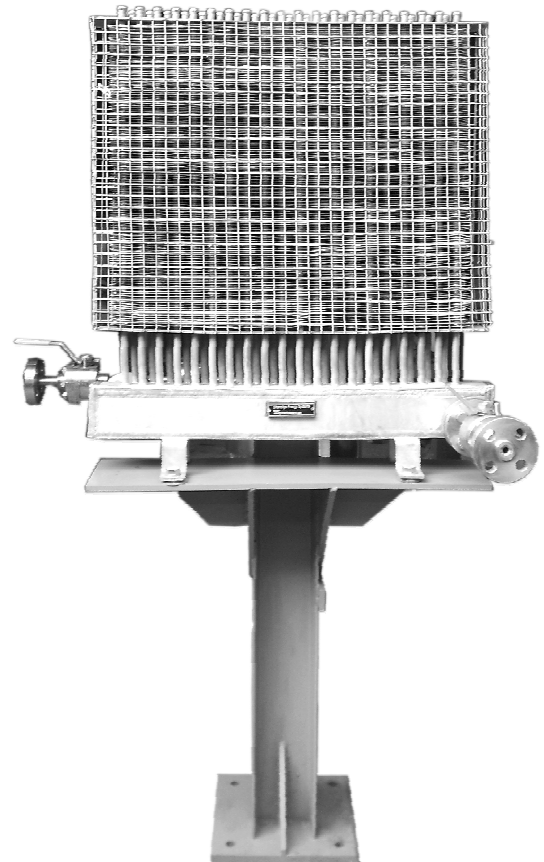
Eliminates Need of Water Cooling and all Problems associated with water like fouling, Scaling and water treatment need. Reliable, does not depend on power source and water supply. Easy to clean, easy to install also practically Maintenance free. Natural Draft, No moving Part, Eco Friendly. Minimum pressure drop.

Operating Parameters

Temperature from – 40°C to 425°C (800°F).
Pressure: 80Bars (1200 psi)

Introducing the Shandilya Enhanced Air Finned Cooler....

Shandilya Energy Systems Enhanced Air Finned Cooler has a patented process of heat transfer where there is a quick exchange of heat and no consumption of external energy. There are no forced air drafts or water usage at all.



Standard Sizes

Four Sizes Available

- SE AFC904/906 Suitable for API Plan 21 High Temp
- SE AFC604/606 Suitable for API Plan 21, 22 & 41 Moderate Temp
- SE AFC304/306 Suitable for API Plan 23, API Plan 21, API Plan 52, 53
- Special Models manufactured on Request

Application Area

Reduction of temperature around
Mechanical seal in High temperature
applications in industry such as
Refinery
Petrochemical
Chemical Processing

Materials of Construction

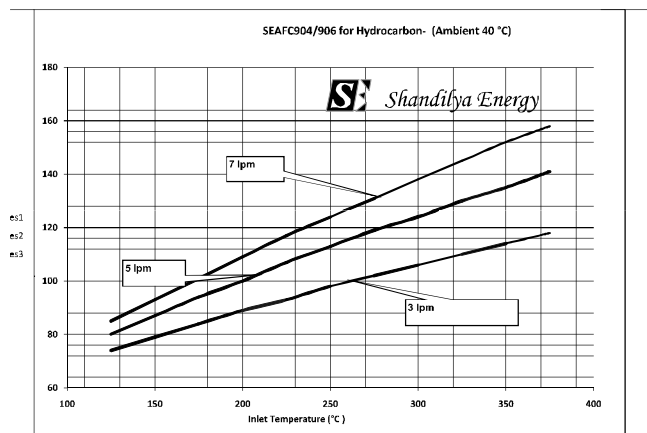
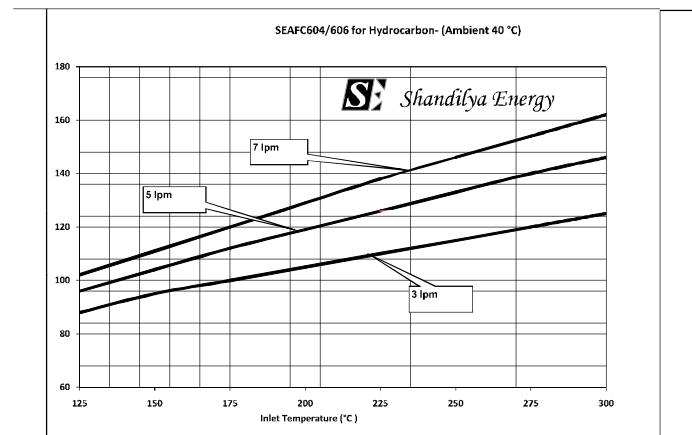
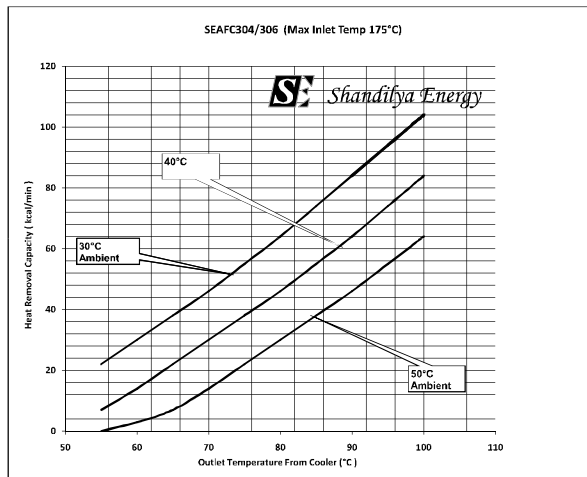
Wetted Part in 316 / 316L / 304 Stainless Steel
Fins in Aluminium
Connections: ANSI B 16.5 Clause 300 lb, size
½ Inch

Performance Curve

Performance curves given below are valid for most of the Hydrocarbons.
The suitable model can be selected depending on the Flow and Desired outlet temperature.

Locate Performance Curve

1. Enter on X axis with pumping temperature.
2. Go to the flow line.
3. On Y axis find expected outlet temperature.



Our Reputed Customers

Indian Oil Corporation Limited (Vadodara, Panipat, Mathura, Barauni, Guwahati, Digboi and Haldia), Hindustan Petroleum Corporation Limited, Bharat Petroleum Corporation Limited, Reliance Industries Limited- Jamnagar, NRL.

Visit us at www.shandilyaenergy.com