

CENTURION
THERMAL PUMPS

CENTURION

Thermal Transfer Pump

Shanley Pump
& Equipment, Inc.



CENTURION

Features

The Centurion Series of Thermal Fluid Transfer Centrifugal Pumps from Iron Duke represents a new approach to the thermal transfer pumping market. Thermal Fluid Transfer Pumps remain a considerable investment in your facility due to the very demanding operational requirements they are subjected to, a reliable pump like the Centurion is critical.

Description

The Centurion series of 22 sizes of centrifugal thermal fluid pumps represent a highly effective, low-costing self-cooling centrifugal pump for thermal transfer fluids such oils and other thermo conductive pumping media. The Centurion Series operates at typical production flow ranges up to 1,600 GPM at head pressures up to 550 feet TDH (Total Dynamic head) with a maximum operational temperature of 660°F under its air-cooled design.

The Centurion Series volute casing and other areas of fluid contact are constructed of heavy duty ductile iron or optional carbon or stainless steel. The bearing housing is of cast iron and the internal shaft and impeller are of high grade 316 and 420 stainless steel for durability and corrosion resistance.

Integral cast thermal-heat dispersion fins are cast directly into the bearing housing to assist in cooling during operation. This special design feature will help keep low operational temperatures in the Bearing and pump seal areas, greatly extending the operational life of the pump.



Shanley Pump & Equipment, Inc.
2525 S. Clearbrook Drive
Arlington Heights, IL 60005
P: 847.439.9200
F: 847.439.9388
www.shanleypump.com
sales@shanleypump.com

The outer components form a centrifugal pump that is of standard back-pullout design for easy installation and maintenance allowing you to perform maintenance such as bearing replacement without having to remove the pump from the discharge and suction piping attachments. Discharge and intake flanges are offered in AANSI dimensions. Flange ratings are 150# standard and #300 optional

Usage

The closed-impeller design is fully balanced before installation for optimum performance at high RPM's, preventing possible deflection damage to the shaft and seal. Back Ribs on the impeller reduce seal pressure and extend seal life. For Vegetable-Oil applications we can provide an intermediate element under vacuum, eliminating the need for costly double or metal bellow mechanical seals.

Main Applications

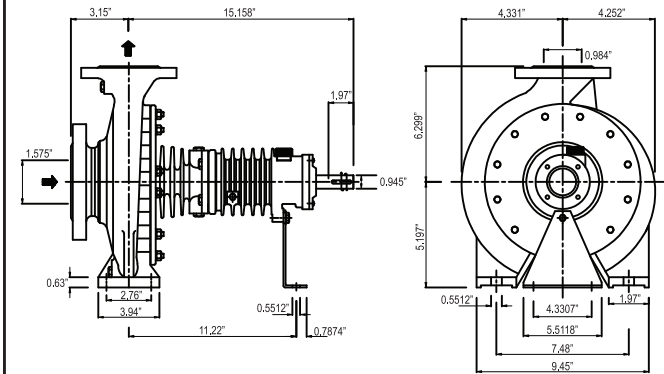
-  Metal Hardening & Tempering Industry
-  Thermal Fluid Transfer Pumping
-  Steel Manufacturing Industry
-  Plant Engineering Industrial Pumping
-  Heat-Transfer Pumping Applications
-  Thermal Oil Pumping Applications
-  Cooling Systems Pumping Applications

GPM Up to 1,600 GPM

PSI 0 - 115 PSI

TEMP up to 660 °F

HEAD 550 ft.



 Dimensions Drawings

[Click here for complete dimensional drawings](#)



50HZ
Performance Curve