

Oil Transfer Pump

Oil Transfer Pumps are designed to pump oil from a tank to burner, to pipeline or to truck tank. Oil Transfer pump can be classified as screw pump and centrifugal pump which are adopted according to specific gravity of oil.

Screw Pump

Screw pump is well adapted to handling viscous fluids. The single-screw pump mainly consists of a stator with dual spiral chambers and a rotor engaged with the stator in the shaft sleeve. When the rotor turns in the stator chamber, the sealed chamber formed between the rotor and stator will make axial movement along the spiral line of the rotor, oil will be conveyed evenly, continuously, and constantly from the suction side to the discharge side.

FEATURES

- Steady and continuous flow
- Low fluid speed at inlet
- Used for heavy oil



Centrifugal Pump

Centrifugal pump is suitable for high speed fluid, mainly composed by impeller which produces liquid velocity and volute which forces the liquid to discharge from the pump. Centrifugal pump operates at relatively high rotation speeds (e.g. 3,000 rpm), it uses centrifugal force to impart high velocity to the liquid, and then converts most of this velocity to pressure.

FEATURES

- Small space required relative to flow rate capacity
- Simple construction and quiet operation
- Low maintenance requirement

Main Specification

	Single Screw Pump	Centrifugal Pump
Flow (m³/h)	0.2~130	100~1500
Operation Pressure(MPa)	<=1.2	2.5~13.5
Viscosity (cp)	50~1500	<750

if there is request, please contact with our sales people (contact@shsenoil.com).