

*World Class technologies with
proven Processing solutions.*

STEPHENSON
P U M P S

**DOUBLE FLOW
SERIES-TSDF**
Twin Screw Pump



World Class technologies with proven Processing solutions.



Refineries



Oil Tanker Ship



Tank Farm



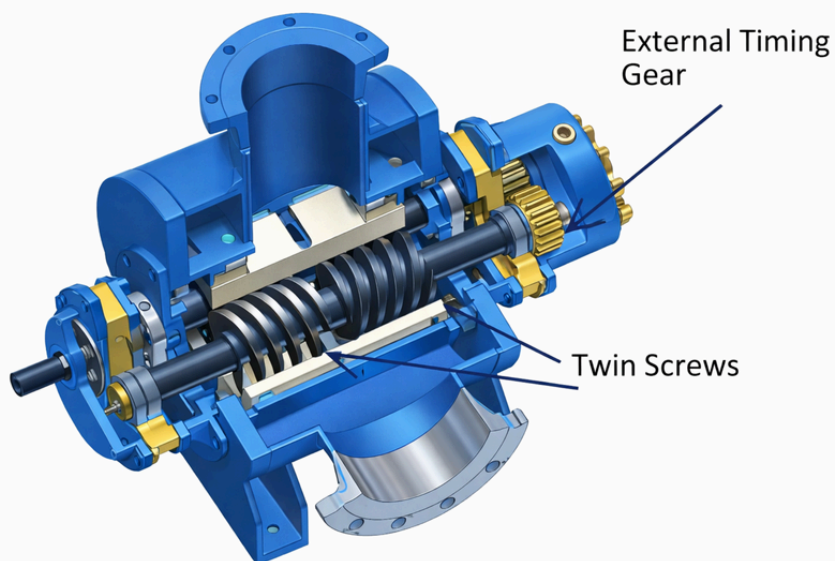
Bitumen



Lubricants

www.stephensonpump.com

For Reference Only :



PUMP MODEL	SIZE	m ³ /H
TSDf 105	4" X 4"	70 @1450RPM
TSDf 118	4" X4"	100 @1450RPM
TSDf 135	6" X 6"	170 @1000RPM
TSDf 150	8" X 8"	210 @750 RPM
TSDf 165	10" X 10"	300 @750 RPM
TSDf 180	12" X 12"	350@600 RPM
TSDf 210	14" X 14"	600 @1450 RPM
TSDf 225	14" X 14"	700@1450 RPM
TSDf 265	16 * 16"	1100@1450RPM

Principle :

The screw pumps of series **TSDf** are rotary positive-displacement pumps. Two meshing screws rotate inside a pump casing, ensuring efficient pumping at a constant flow rate with high suction capability.

This principle guarantees very high reliability.

Construction :

The screws are supported and positioned axially by ball bearings. Together with the drive gears, these maintain minimal clearance between the screws, avoiding metal-to-metal contact.

The drive-side bearings and gears rotate in a sealed oil-bath casing. The free-side bearings are grease-lubricated. Shaft and gear housing sealing is ensured by lip seals.

The pump body shaft outlets are sealed by four simple mechanical seals. A drain hole between seals and bearings allows any accidental leakage to escape.

The pump casing is fitted with a removable liner.

The pump base can be designed as a heating chamber.

Protection against overpressure is provided by an incorporated, adjustable safety valve.

Applications :

Screw pumps series **TSDf** are suitable for pumping all kinds of liquids.