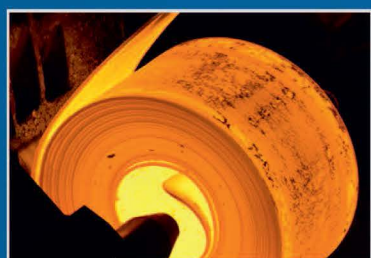


Since 1959

# KIRIT INDUSTRIES



Since 1959

TM



Address: Nr. Giyanager Society, Opp. Union Co-Operative Bank, Naroda. Ahmedabad-382330, Gujarat, (INDIA).

(079) 2282 0417, (079) 2282 3126

info@kiritpumps.com

<http://www.kiritpumps.com>





Material Body	Cast Iron / S.S / Gun Metal / Brass
Material Inner Part	Cast Iron / S.S / Gun Metal / Brass
Shaft	Steel
Internal Thread	1½" to 3" Depending on Type
Flange	Depending On Type
Lit/min @ 100 RPM	45.4 to 147 Depending on type
Speed	100 To 500 RPM

### APPLICATIONS:

The "K.I" rotary gear pumps are widely used for loading and unloading or transferring of bitumen, tar, ldo, furnace oils, castor oils, vegetable oils, chemicals, molasses, color and paints, soaps, silicate of soda, starch, glue, honey, glycerine and many more other viscous materials from and to the trucks, tankers, other mobile vehicles and plant manufacturing above materials. It is also used in bitumen sprayer machines, road paver machines, sugar mills, rolling mills, foundries. etc.

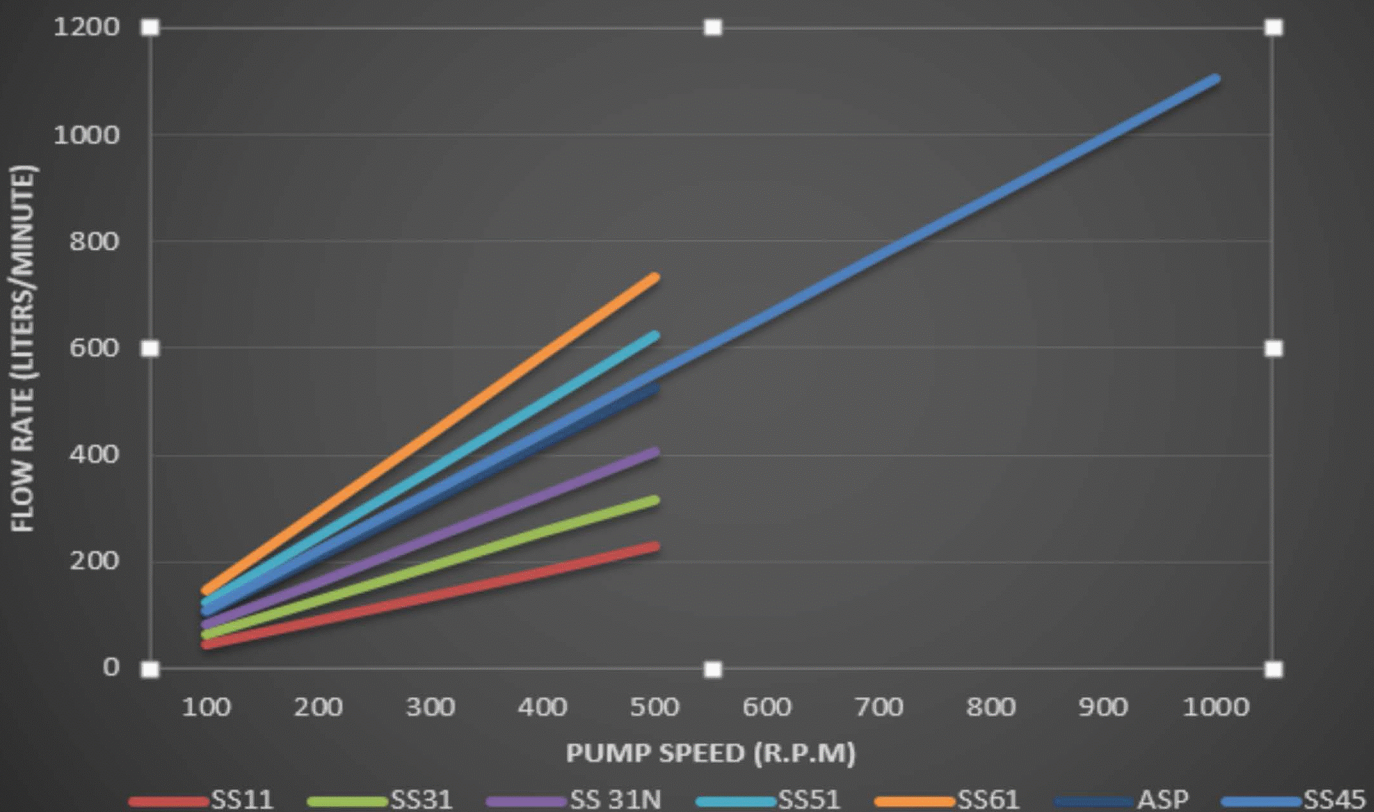
SINCE 1959

### Features:

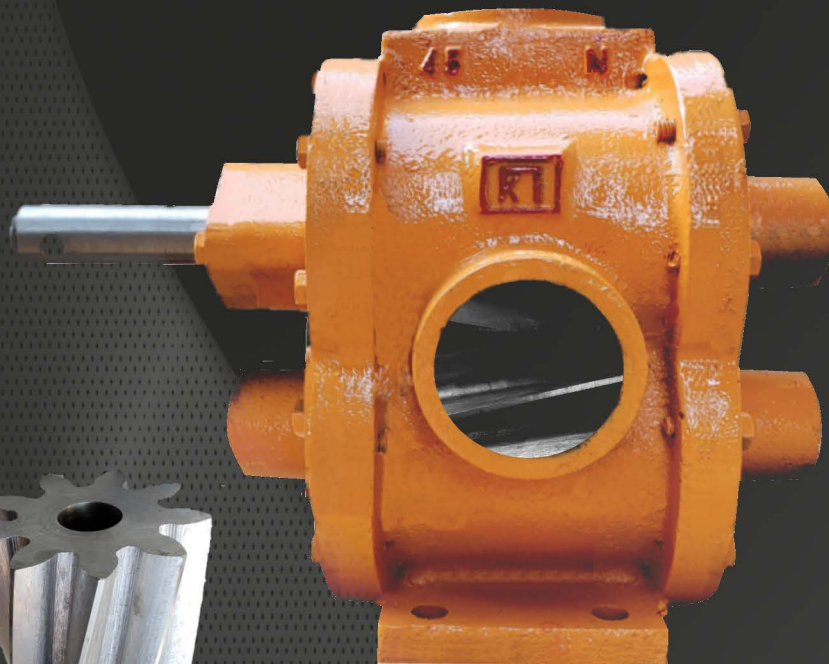
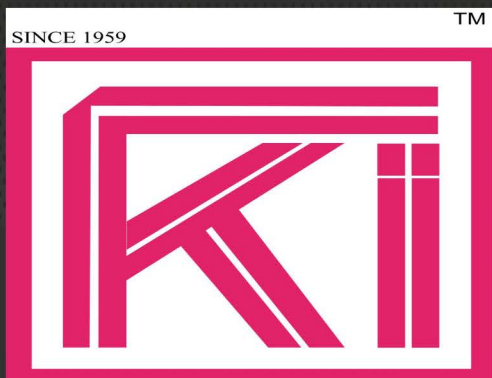
- The "K.I" series Rotary Gear Pumps are specially design for all type of viscous liquids.
- K.I Special design optimize characteristic for mounting pump on tanker, trucks or any mobile vehicles for loading/Unloading.
- Design features easy installation & maintenance
- Wide range of flow rate according to the application
- Different mounting options for suction and delivery options.
- Working pressure upto 10kg/cm2, upto 2,50,000 SSU.



## Theoretical Flow Capacity







## 45 series Heavy Duty Pumps

General purpose pumps  
for industrial and mobile  
transfer, PTO driven pumps.

upto 990 LPM upto 125 PSI

These pumps operate smoothly and with equal efficiency in either direction of rotation. They effectively handle heavy, viscous materials such as asphalt, Molasses, Roofing compounds, printing inks, fuel oil, Gasolines and similar thin and thick liquids.

Pumps can be supplied in several materials of construction, with different mounting postions.

Pumps are very technically designed to run directly through pto in automoblies and can be connected to standard gear reduction box. these pumps operate equally well regardless of the mounting configuration or the direction of rotation.

### MATERIALS OF CONSTRUCTION

Standard fitted

Housing..... Cast iron

Gears..... Steel

Shafts..... Steel

inlet & outlet  
port..... 2.5"

Lit/min  
@900 RPM..... 990

Speed..... 100 to 900 RPM

### FEATURES

#### Quiet- Running Helical Gears

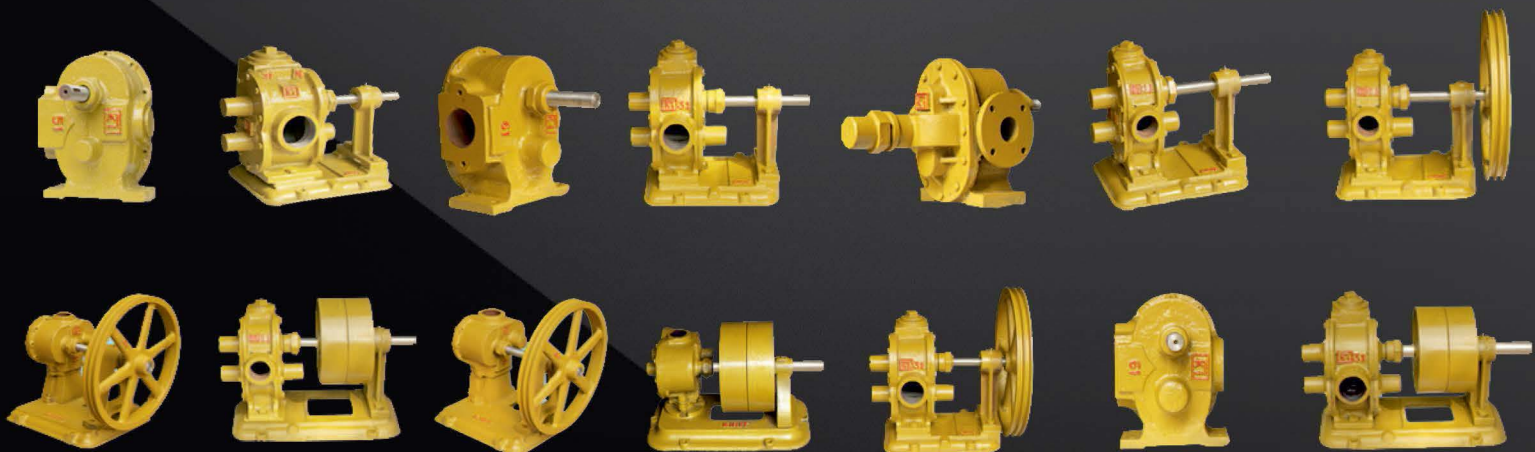
- \* Steel made gears are accurately machined for Quiet, efficient operation long life.
- \* Accurate machined helical gears are easily replaced and reduces down time.
- \* Precise machining insures proper meshing and reduces friction and vibration.

#### Rugged Housing

- \* Standard Castings are cast iron.
- \* Precise manufacturing tolerances provide minimum clearances for maximum pumping efficiency.
- \* Faceplate, housing and blackplates are positively aligned and are very easily replaced with the new one, no skilled required.

# SPECIFICATION OF ROTARY GEAR PUMP

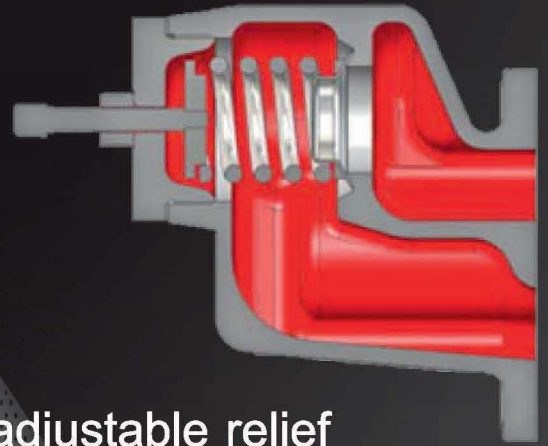
MODEL	LIT/MIN@100 RPM	SUCTION PIPE IN INCHES	DISCHARGE PIPE IN INCHES	PULLEYS			DISCHARGE HEAD IN FT.
				LF	I	V	
SSV11	45.4	1 ½"	1 ½"	-		15X2 ¾"	100
SSLF 11	45.4	1 ½"	1 ½"	8X2 ½"		-	100
SS11	45.4	1 ½"	1 ½"	-		-	100
SSV31	63.5	2"	2"	-		15X 2 ¾"	100
SSLF31	63.5	2"	2"	8X 2 ½"		-	100
SS31	63.5	2"	2"	-		-	100
SS31J	63.5	2"	2"	-		-	100
SSV31N	80.8	2 ½"	2 ½"	-		15X2 ¾"	100
SS31 N	80.8	2 ½"	2 ½"	-		-	100
SSV45	110.4	2.5"	2.5"	-		15X2 ¾"	100
SS45	110.4	2.5"	2.5"	-		-	100
SSV51/ BSV51	124.5	2"	2"	-		15X2 ¾"	100
BSLF51	124.5	2"	2"	12X3 ½"		-	100
SS51	124.5	2"	2"	-		-	100
SS51N	124.5	2.5"	2.5"	-		-	100
SS51J	124.5	2.5"	2.5"	-		-	100
SSV61/ BSV61	147	2.5"	2.5"	-		20X2 ¾"	100
SS61	147	2.5"	2.5"	-		-	100
SSV61	147	3"	3"	-		-	100
SS61	147	3"	3"	-		-	100
ASP	124.5	DN50	DN50	-		-	100



SSV=Side Suction Pump with "V" Pulley; SSLF=Side Suction Pump With Loose & Fast Pulley; SS=Side Suction Pump Without Pulley; BSV=Bottom Suction Pump with "V" Pulley; ASP=Asphalt Sprayer Pump



# RELIEF VALVE



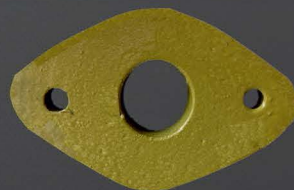
In the event of overpressure situations, our adjustable relief valve protects personnel and equipment by returning liquids to the suction side of the pump. Various spring sizes can be specified to handle a wide range of operating conditions.

Kirit Pump's inverted Poppet relief valve is designed without close fitting guides that can clog and cause excessive pressures when the valve does not open freely. The valve will provide protection in only one direction of rotation.

## Our Available Sealing Options



*Oil Seal*



*Seal Flange*



*Graphite Seal*



*Teflon Seal*

# Seals



# KI JACKETED ROTARY GEAR PUMP

Kirit Industries' "KI" Jacketed Rotary Gear Pumps are specially design which suitable for liquids which solidify / crystallization in nature or become highly viscous at room temperature like Bitumen, Coal Tar, Asphalt, Wax, Grease, Furnace Oil, LSHS, HHS, HFO, Glucose, Soap Stock, High Viscosity oils, Adhesives, Resin, Ghee, Chocolate etc. Steam or Hot Oil / Hot Thermic Oil or Hot Water is circulated in the Jacket on the pump body to heat the liquid being pumped.

This model is specially designed for Bitumen. Model "51 Jacketed" having cast jacketed construction of pump casing and gear & shaft are firmly supported which ensures smooth running. The sealing is done with options of Oil Seal/Graphite/Teflon which can sustain high temperature up to 200°C.

The pumps are available in size (2" & 2 ½") with thread end connection at suction & delivery. A separate model with relief Valve is also be available. This pump is designed to run at 100 to 500 RPM.





## Our Other Products



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