

R. K. INDUSTRIES

RKI

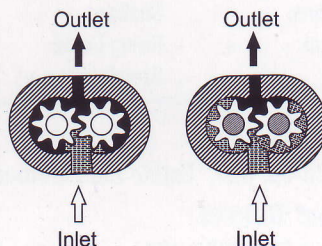
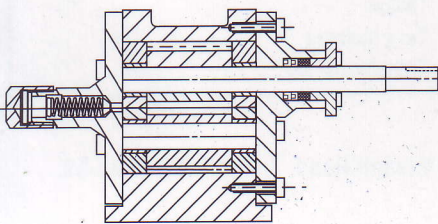
External Gear Pump Design & Working

'RKI' Rotary gear pumps are available in various sizes and versions to suit every possible viscous fluid pumping applications.

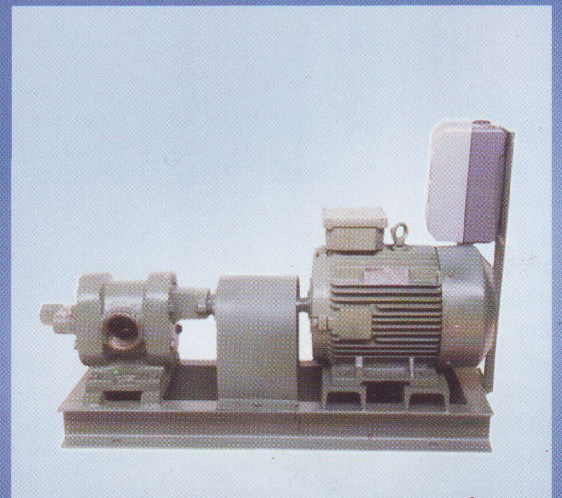
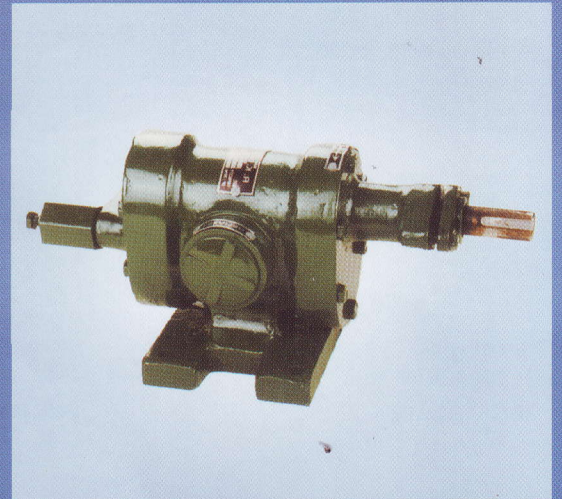
'RKI' rotary external gear pumps are designed for low to high viscosity range, free from abrasive particles and corrosive substance. 'RKI' rotary gear pump designed for low to medium pressure ranges.

'RKI' External Gear Pump consist of profile ground gears, closely fitted in a housing. Liquid is carried to the periphery of revolving gears from the suction to the discharge side. The teeth are meshing between the gears thus preventing return of liquid from discharge from suction side. All components are precision machined and close tolerance is maintained between running parts and stationery parts to ensure high volumetric efficiency.

Operation Of Gear Pump



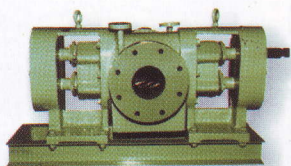
RKI ROTARY EXTERNAL GEAR PUMP



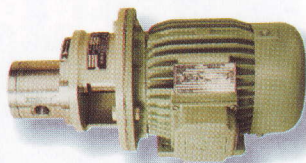
SELECTION OF MOC

PARTS	LOW PRESSURE	HIGH PRESSURE	POOR LUBRICANT	NON LUBRICANT	CORROSIVE
BODY & ENCOVERS	CI	CI-MS	CI-SS	CI	SS-GM BRONZE
ROTARY & SHAFT	EN-8	EN-9 OR EN-24	EN-9 OR EN-24	EN-9 HARDENED	SS
BEARINGS	GM	BRONZE STEEL (ANTIFRICTION)	CI-TEFLON	CI-TEFLON	SS-TEFLON
RELIEF VALVE PARTS	ALLOY STEEL	ALLOY STEEL	ALLOY STEEL	ALLOY STEEL	ALLOY STEEL
SEALS	NEOPRENE OILSEAL	NEOPRENE OILSEAL MECH SEAL	GLAND PACKING MECH SEAL	GLAND PACKING MECH SEAL	GLAND PACKING MECH SEAL

OTHER MODIFICATIONS



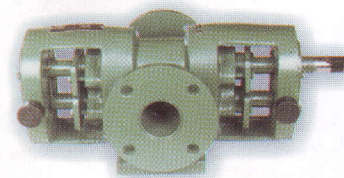
External bearing type gear pump with jacket



Monoblock gear pump



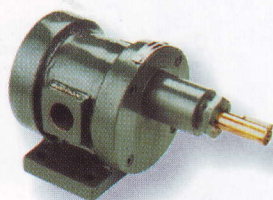
Flange mounted gear pump



Gear pump with external bearing



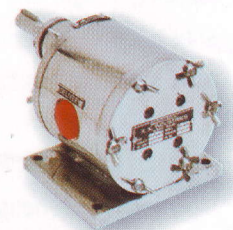
Gear pump fitted with mechanical seal



Cast steel construction gear pump



Fabricated SS pump



Fabricated SS pump

Specifications

Size	Capacity	Discharge Pressure	M.O.C.	Temperature	Viscosity
½" to 6"	20 lpm to 3000 lpm	Upto 15 kg. / cm ³	Cast Iron, Cast Steel Gun Metal with S.S. Gears and Shaft S.S. 304, S.S. 316, Monel etc.	Upto 250°C	50 cst to 75000 cst

Liquids Handled By 'RKI' External Gear Pump

Adhesives	Corn Syrup	Fruits Juices	Lactic Acid	Paint	Silicon Fluids	Turpentine
Asphalt	Cresol	Glues	Laxtex	Parafin Wax	Soap	Varnish
Blood	Creosote	Glucose	Lead	Phosphoric Acid	Sodium Silicate	Vanaspati
Black Liquor	Detergents	Glycerine	Linseed Oil	Plasticizers	Soya Oil	Veg Oil
Bitumen	Dop	Glycol	Milk	Phenol	Styrene	Vinyle Chloride
Butter	Dow Therm	Grease	Mineral Oil	Printing Ink	Sugar Syrup	Wax
Castor Oil	Enamel	Hot Oil	Molasses	Resin	Sulphuric Acid	Whey
Caustic Lye	Fatc	Honey	Naptha	Sauces	Syrup	
Coal Tar	Fatty Acids	Hydraulic Oils	Napthelene	Shellac	Tallow	
Cocoa	Fish Oil	Kerosene	Oleic Acid	Sizing Liquid	Tar (Molten)	
Cooking Oils	Foam	Lacquer	Pitch	Starch Liquor	Transformer Oil	

Works & Off. : B/210, Gokul Industrial Estate, Plot No. 150, Marol Co-op. Indl. Estate Ltd., Mathuradas Vasanji Road, Andheri (E), Mum-59.

Contact Details

Office: 022-2859 7345, 022-6450 0788, 022- 3241 5880 • Workshop : 022-3263 3894 • Telefax : 022-2850 6291 • Cell Phone : 98679 61016