

ALL NEW INVESTMENT CAST ROTARY GEAR PUMP

ROTO ACQUIRUS PRODUCT

ROTO Gear Pumps **R Series** are High Quality External Gear pumps having simple four piece construction, specially designed to handle thinner or thicker & even corrosive liquids having lesser or no lubrication.

Compact, efficient and durable External Gear Pump, capable of handling all reasonably clean liquids, preferable having some lubricating value.

Also suitable for handling non-lubricating liquids, food handling and corrosive liquid application.

INDUSTRIES SERVED

Abrasive, Adhesive and Sealant, Asphalt, Automobiles, Bio-diesel, Cement Mineral, Chemical, Ethanol, Fertilizers, Fiber, Food Processing, Heavy Machineries, OEM, Oil & Gas, Oil Refineries, Paints Coatings, Paper Mill, Pharmaceuticals, Plastics, Polymers, Power Plant, Rubber, Soaps Detergents, Steel Plant, Water Treatment, Wind Power Lubrication, Sugar Plant.

FLUIDS HANDLED

Lube Oil, Base Oil, Fuel Oil, Crude Oil, Hydraulic Oil, Castor oil, Crude Palm Oil CPO, Turbine Oil, Bitumen, Asphalt, Additives LSHS and Oils with 40 to 50 Microns Soft impurities, Clean Lube Oils, Corrosive and Hygienic Liquids, LDO, HSD, Kerosene, Aviation Fuel, Petrol, Naphtha, Coolant, Fire Fighting Foam, Oils with 10 to 20 Microns Soft impurities.

EXTERNAL GEAR PUMPS RANGE

STANDARD WITH MECHANICAL SEAL

- Can convert to gland arrangement at site

DRIVE SHAFT

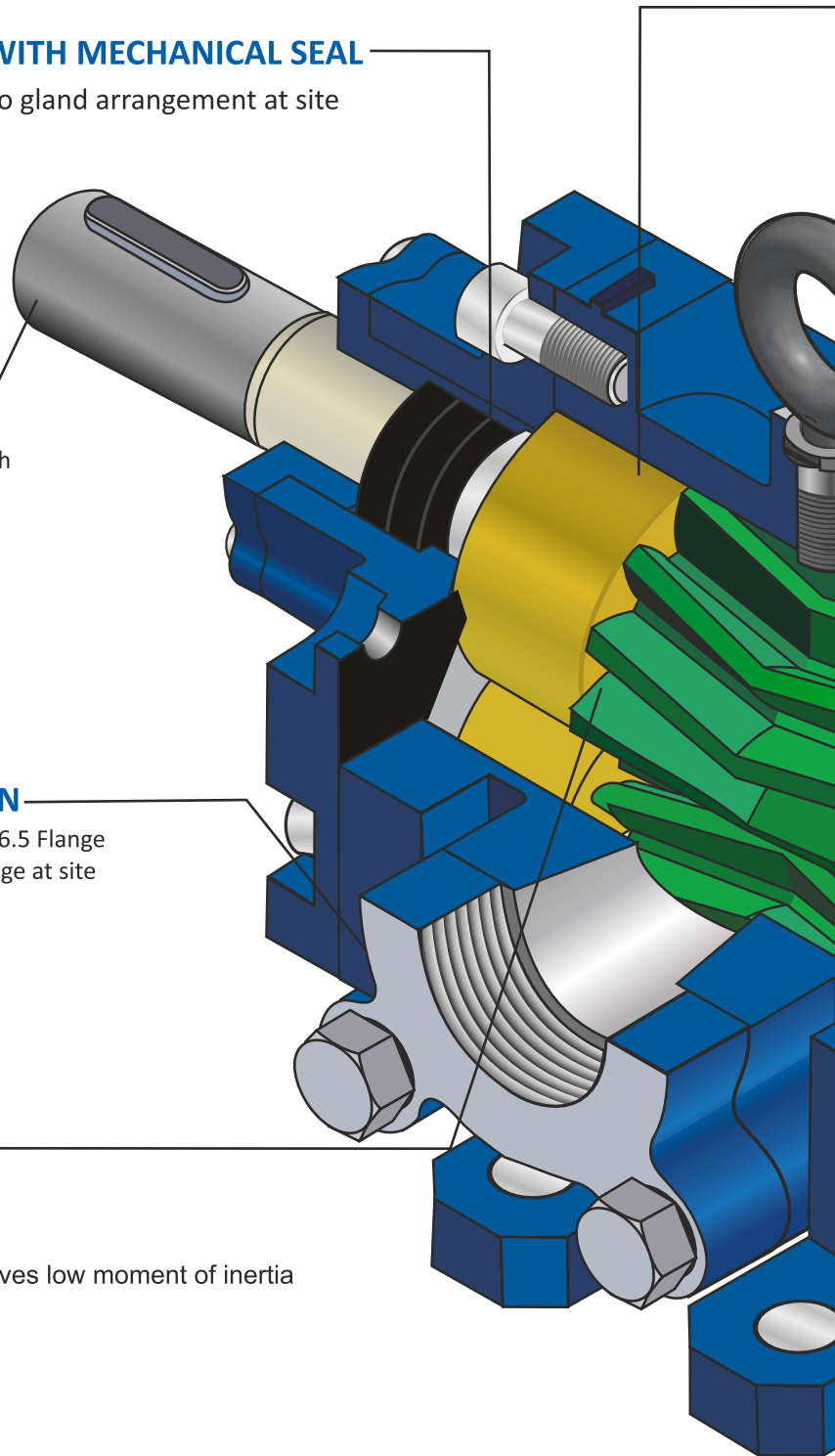
- Withstands bending moments, suitable for high pressure application

FLANGE CONNECTION

- Compatible at site for ANSI 16.5 Flange
- Can convert threaded to Flange at site

HERRINGBONE PAIR OF GEARS

- No side thrust
- Maintains constant volumetric efficiency
- Lesser number of modified profile teeth gives low moment of inertia
- Low friction losses and high tooth life
- Silent running



PERFORMANCE DATA

Size : 3/4" - 6"

Flow : 0.75m³/Hr. - 120m³/Hr.

Pressure : Upto 11 Bar*

Viscosities : Upto 1,00,000 cst

Temperature : Upto 300°C

Configuration : Horizontal Foot Mounted**

* Also available for higher pressure

** Also available in Vertical Configuration/Flange Mounted

SPECIALLY DESIGNED WEAR PLATE & BUSH

- Self lubricated

LIFTING HOOK

PUMP HOUSING

- Greater Wall thickness to withstand high pressures
- Investment casting for smooth finish
- Withstand seismic activity

BUILT-IN PRESSURE RELIEF VALVE

- Ensures safe operation of pump

MATERIAL OF CONSTRUCTION

Casing & Covers : Cast Steel/SS 304/SS 316/SS 316L/Duplex Steel/LCB/Titanium

Shaft : EN-9/SS 431/SS 316/SS 316L/Titanium

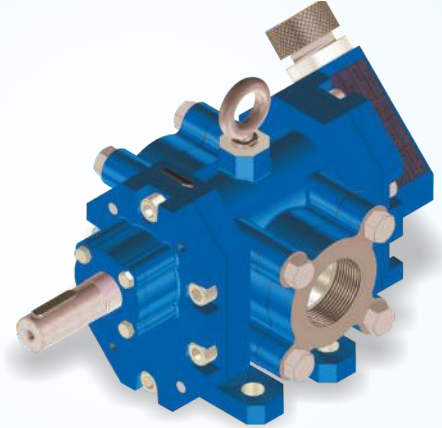
Gears : EN- 353/SS 316/SS 316L/SS 431/Titanium

Bearings : Bronze Bush/Teflon Coated DU/White Metal/Peek/Ball Bearing ZZ

Sealing : Oil Seal/Gland Ring/Single Mechanical Seal/Double Mechanical Seal

R- Series

S. No.	Pump Series	Port Size x BSP ASA -150	Capacity		
			LPM	US GPM	M3/HR
1	075	3/4" x 3/4"	13	3.3	0.75
2	076	3/4" x 3/4"	16	4.4	1
3	100	1" x 1"	25	6.58	1.5
4	101	1" x 1"	33	8.68	2
5	125	1 *1/4" x 1*1/4"	60	15.8	3.6
6	126	1 *1/4" x 1*1/4"	75	19.8	4.5
7	150	1*1/2" x 1*1/2"	100	26.4	6
8	151	1*1/2" x 1*1/2"	125	33	7.5
9	200	2" x 2"	150	40	9
10	201	2" x 2"	200	52.9	12
11	250	2 *1/2" x 2*1/2"	250	66	15
12	251	2 *1/2" x 2*1/2"	300	78.9	18
13	300	3" x 3"	415	111	24
14	301	3" x 3"	450	118.4	27
15	400	4" x 4"	600	158	36
16	401	4" x 4"	750	197.5	45
17	500	5" x 5"	1000	263	60
18	501	5" x 5"	1335	351	80
19	600	6" x 6"	1611	451	100
20	601	6" x 6"	2050	542	120



H- Series

S. No.	Pump Series	Port Size NPT	Capacity		
			LPM	US GPM	M3/HR
1	15	1/8" x 1/8"	5	1.3	0.3
2	25	1/4" x 1/4"	8.3	2.2	0.5
3	40	3/8" x 3/8"	16.6	4.4	1
4	50	1/2" x 1/2"	25	6.6	1.5
5	75	3/4" x 3/4"	33.3	8.8	2
6	100	1" x 1"	50	13.2	3
7	125	1 1/4" x 1 1/4"	100	26.4	6
8	150	1 1/2" x 1 1/2"	125	33	7.5
9	200	2" x 2"	150	39.6	9
10	201	2" x 2"	200	52.8	12
11	250	2 1/2" x 2 1/2"	300	65	18
12	251	2 1/2" x 2 1/2"	350	80	21





Roto Pumps Limited, Manufacturing Plant, India



Corporate Office, India



Australia Office



U.K. Office



Subsidiary in South Africa



Subsidiary in Germany



Subsidiary in USA



ROTO PUMPS LTD.

Regd. & Marketing Head Office

Roto House,13, Noida Special Economic Zone, Noida - 201305, U.P., INDIA

Tel.: +91 120 2567902-5 Fax: +91 120 2567911

Email: contact@rotopumps.com

CIN: L28991UP1975PLC004152

Branch Offices & Warehouses

United Kingdom

Unit 1 St Elizabeths Park, Grey Street, Denton, Manchester, M34 3RU

Tel.: +44 161 4775511 Fax: +44 161 4747900

Email: sales@rotopumps.co.uk

Australia

26, Deans Court, Dandenong South, Victoria 3175

Tel.: +61 3 97945200 Fax: +61 3 97945900

E mail: melb@rotopumps.com.au

www.rotopumps.com

Subsidiaries

Roto Pumpen GmbH

.nehm-coll. Rechtsanwälte

Grafenberger Alle 277-287

40237 Duesseldorf, Germany

Email: info@rotopumps.com

Roto Pumps North America, Inc.

5889 S Garnett Rd. Tulsa, Oklahoma 74146

Tel: +1 918 280 9144,Fax: +1 918 806 6853

Email: info@rotopumpsna.com

Roto Pumps Africa (Pvt.) Ltd.

3, Sun Rock Close Germiston 1401, Africa

Tel.: +27 10 100 3774

Email: sales@rotopumps.co.za