



Roto's Manufacturing Plant

Strong Manufacturing Base

Roto's new integrated manufacturing plant with an in-house Polymer unit and its other plant at Duty Free Zone at Noida are spread over 20,000 sq. mtrs., the plants have sophisticated machine tools & testing facilities that ensure a consistent world-class quality products matching today's demanding customer expectations. All critical components are manufactured in-house to ensure 100% quality conformance. Roto's state-of-the-art R&D facilities translate concepts to prototypes and prototypes into final products. Headed by some of the world's finest pump professionals. It is equipped with a battery of solid H stations and sophisticated Test beds with Data Acquisition & Analysis Systems, to ensure a comprehensive validation of pump design.

Roto's world class products are available through its own Warehouse - Marketing offices in Australia and the U.K, along with a strong network of dedicated distributors spread across the globe.

Over 40 years of fluid engineering expertise

Roto's application expertise has been gained over four decades in providing fluid engineering solutions to more than 4000 customers world-wide. The Roto excellence spanning over 1500 types of fluids, is a valuable asset for you to bank upon for more efficient and cost effective solutions to your fluid handling requirements.



U.K. Office



Corporate Office & Export Warehouse at Duty Free Zone, Noida



Australia Office

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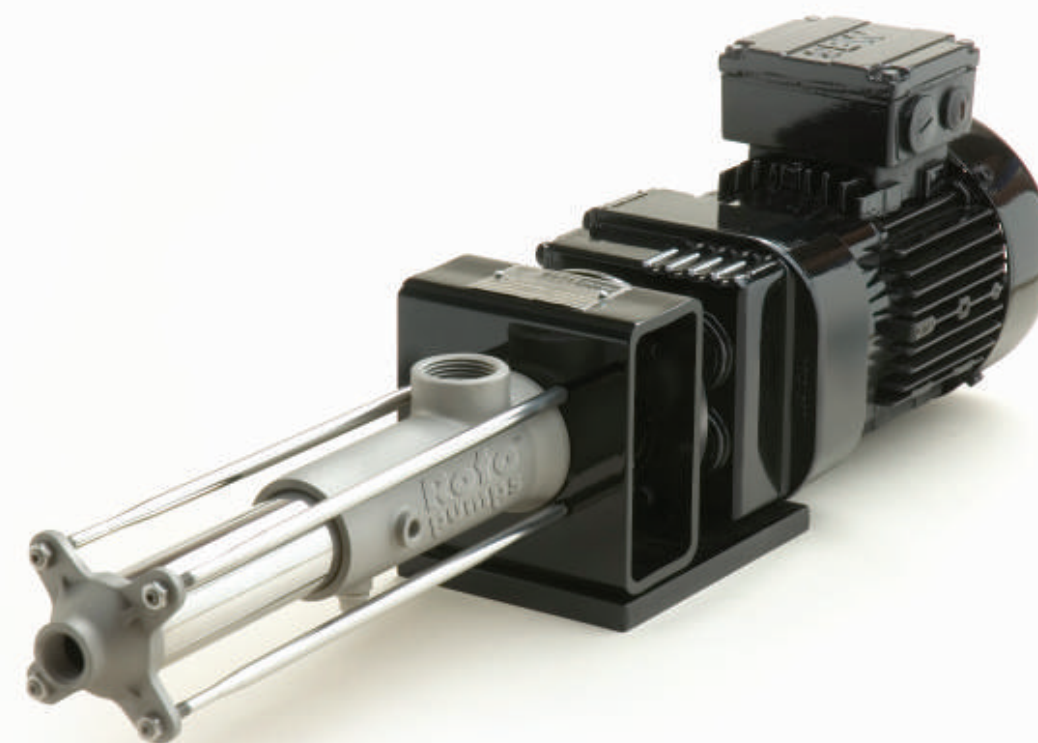
Authorised Distributor

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Roto
pumps™



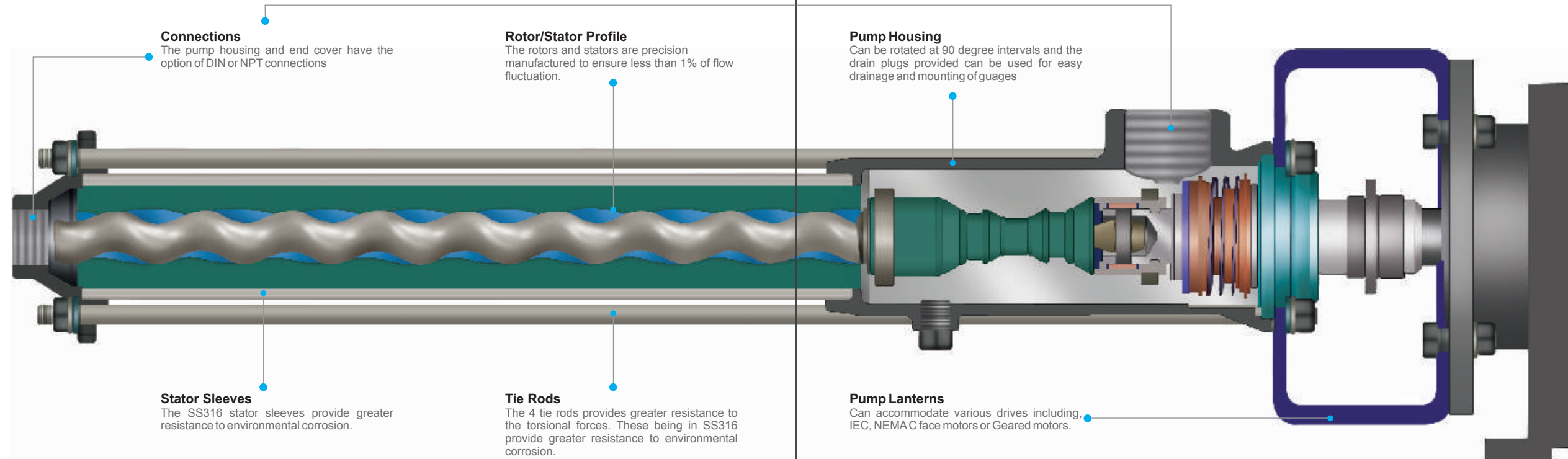
Right choice
for precise metering applications





RJ SERIES OF METERING PUMPS

Roto RJ series pumps are developed for low flow applications that demand high accuracies and repeatability. These pumps can handle wide variety of fluids ranging from clean and clear liquids to abrasive, corrosive, viscous and solid laden media. The repeatability accuracy has less than 1% fluctuation. Available in 6 capacities and 3 pressure ranges, flow rates from 0.003 – 2.2 USgpm (0.68 – 500 l/h) at 87, 174 & 348 psi (6, 12 and 24 bar) differential pressure.



ADVANTAGES

- Capacity is directly proportionate to the speed.
- Head developed, is independent of speed.
- Inherently self-priming.
- Non-clogging.
- Single rotating element. No valves or gears required.
- Low NPSH (R) .
- Low shear and linear flow.
- Reversible.
- Smooth & non-pulsating flow.
- High suction lift capability up to 9.5 mwc.
- Only change of pumping elements is required to obtain different capacities.
- Simple to operate.
- Low operating costs.

MATERIAL OF CONSTRUCTION

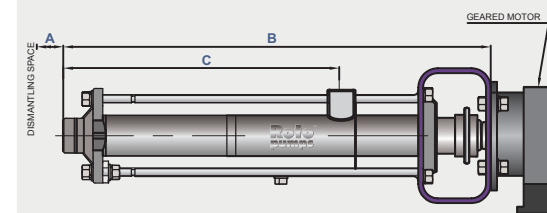
Standard RJ Mini range pumps are manufactured with 316 stainless steel wetted components and single mechanical seal, with various Stator elastomers including Natural, Nitrile, High Nitrile, EPDM, Chloro-sulphonated rubber, HNBR, Fluoroelastomer & Aflas®. Depending on application requirements, pumps can also be manufactured in various exotic alloys such as Hastelloy, Duplex, Alloy 20, etc.

APPLICATIONS

Roto RJ series pumps are designed to handle a wide variety of fluids for a number of applications in industries such as :

- Wastewater Treatment
- Pulp & Paper
- Chemical Processing
- Pharmaceutical
- Petrochemical
- Petroleum Refining
- Cosmetic
- Mining
- Food

DIMENSIONS



Pump Size	A	B	C
RJCA - 014	120	306	210
RJCA - 034	120	306	210
RJCA - 072	120	306	210
RJCA - 074	130	384	288
RJCA - 142	120	340	244
RJCA - 144	200	448	352
RJCA - 302	120	358	262
RJCA - 304	240	488	392
RJCA - 80L	120	358	262

Available in 1" NPT port connection at Suction & ½" NPT connection at Discharge in all pump sizes.

- All dimensions are in mm
- All dimensions & specifications are subject to change without prior notice

SELECTION TABLE

Pump Size	FLOW RATE		PRESSURE			
	Bar		0	6	12	24
	PSI		0	87	174	348
RJCA - 01	LPH	7.50	7.20	7.20	6.90	
	GPM	0.033	0.032	0.032	0.030	
RJCA - 03	LPH	18.90	18.20	18.10	17.30	
	GPM	0.083	0.080	0.080	0.076	
RJCA - 07	LPH	45.90	44.10	44.00	42.10	
	GPM	0.202	0.194	0.194	0.185	
RJCA - 14	LPH	91.40	87.90	87.60	84.30	
	GPM	0.402	0.387	0.385	0.371	
RJCA - 30	LPH	180.00	173.00	172.30	166.30	
	GPM	0.792	0.761	0.758	0.732	
RJCA - 80L	LPH	500.00	460.00	-	-	
	GPM	2.201	2.025	-	-	

Capacities of pump sizes calculated at 500 RPM