

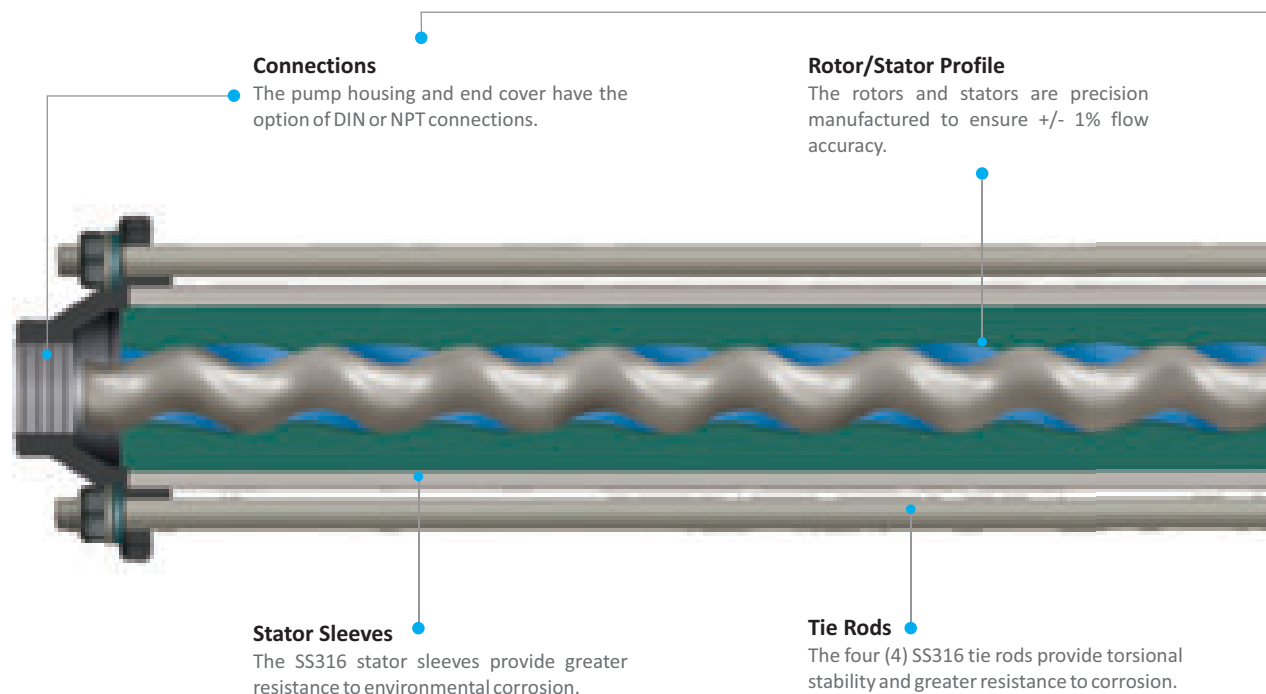


# The best choice

for precise metering applications

## RJ SERIES OF METERING PUMPS

Roto RJ Series pumps are for low flow applications demanding high accuracy and repeatability. They can handle a wide variety of fluids ranging from clean and clear liquids to abrasive, corrosive, viscous and solid laden media. The pumps can maintain flow with repeatable accuracy of +/- 1%. The RJ Series is available in 6 capacities (0.68 – 500 l/h) and 3 differential pressure ranges (6,12 & 24 Bar).



## ADVANTAGES

- Capacity is directly proportional to speed
- Reversible
- Inherently self-priming
- Suction lift capability up to 9.5 meter water column
- No internal valves - no clogging
- Easily changeable pumping elements for different capacities
- Low NPSH required
- Simple to operate
- Linear flow with low shear
- Highly efficient

## APPLICATIONS

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

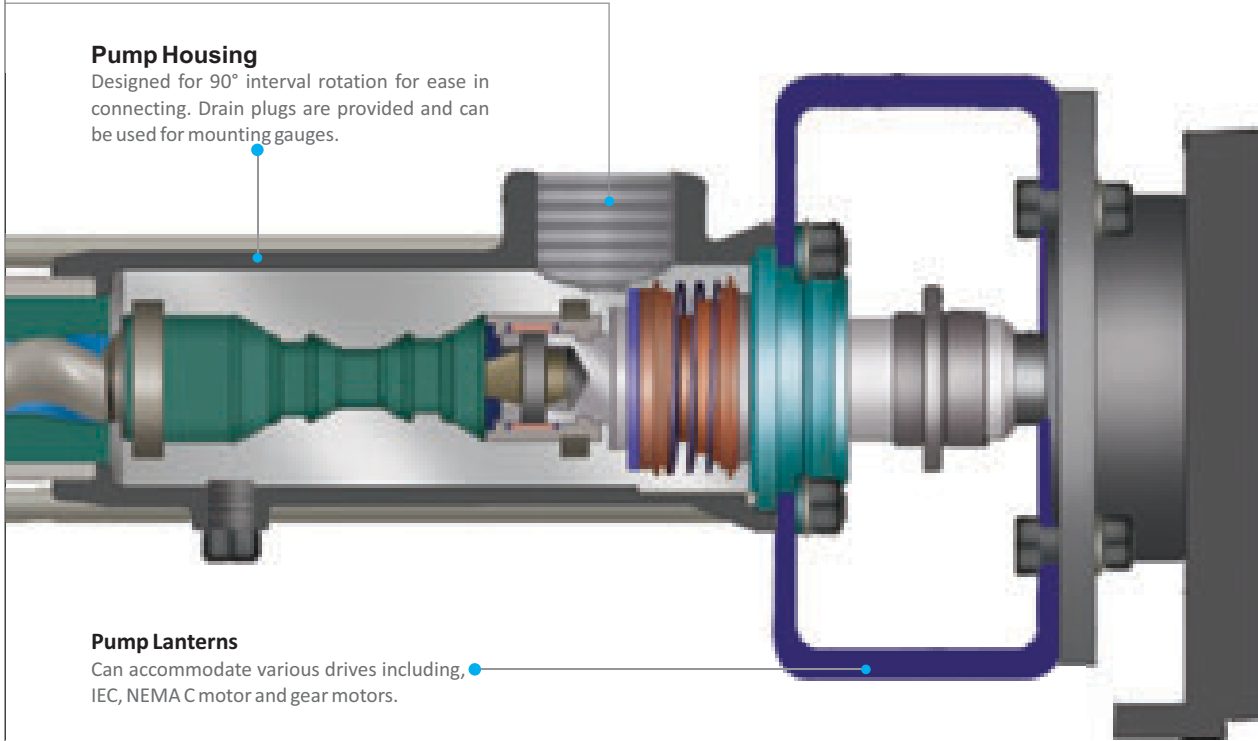
- Wastewater Treatment
- Pharmaceutical
- Cosmetic
- Pulp & Paper
- Petrochemical
- Mining
- Chemical Processing
- Petroleum Refining
- Food

## MATERIAL OF CONSTRUCTION

Standard RJ Range pumps are manufactured with 316 stainless steel wetted components and a single mechanical seal. The stator elastomers include; Natural, Nitrile, EPDM, Chloro-sulphonated rubber, HNBR, Viton, and Aflas®. Pumps can be manufactured in various exotic alloys including Hastelloy, Duplex, and Alloy 20 to fit the application.

### Pump Housing

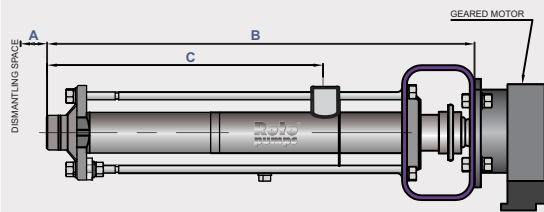
Designed for 90° interval rotation for ease in connecting. Drain plugs are provided and can be used for mounting gauges.



### Pump Lanterns

Can accommodate various drives including, IEC, NEMA C motor and gear motors.

## DIMENSIONS



Pump Size	A	B	C
RJ - 014	120	306	210
RJ - 034	120	306	210
RJ - 072	120	306	210
RJ - 074	130	384	288
RJ - 142	120	340	244
RJ - 144	200	448	352
RJ - 302	120	358	262
RJ - 304	240	488	392
RJ - 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	PRESSURE BAR			
	0	6	12	24
RJ - 01	7.50	7.20	7.20	6.90
RJ - 03	18.90	18.20	18.10	17.30
RJ - 07	45.90	44.10	44.00	42.10
RJ - 14	91.40	87.90	87.60	84.30
RJ - 30	180.00	173.00	172.30	166.30
RJ - 80L	500.00	460.00	-	-

Capacities of pump sizes calculated at 500 RPM

Roto Pumps Limited, Manufacturing Plant, India



Corporate Office & Export Warehouse, India

Manchester Office & Warehouse

Melbourne Office & Warehouse



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