

VERTICAL MULTISTAGE PUMPS

RCPS, RCSS, RCSSN, RCPU



 **RAJ PUMPS**
Simply the Best

PUMP DESIGN

ZERO AXIAL THRUST

The Pumps are non-self priming Vertical Multistage In-Line Centrifugal Pumps designed to occupy minimum floor Space. Unlike other Pumps with sheet metal and plastic fabricated components, our Pumps have components all cast in various metals like Cast Iron, Bronze, SS304 (CF8e) & SS316 (CF8M). Excessive Axial thrust is balanced by assembling the Pump stages with equal number of opposed Impellers. Balancing of axial thrust allows the use of standard Flange Mounted Motor without special bearings. Pressure on Mechanical Seal reduces to half the working pressure due to opposed Impellers. The Shaft is well supported in bush Bearings, making operation less noisy. The maintenance is easy and economical.

HIGHLY RELIABLE CAST COMPONENTS

The Pumps have components like Base, Impellers & Diffusers are cast in various metals like Bronze, Gunmetal, SS 304(CF8e), SS 316(CF8M), SS Duplex etc.



STANDARD PUMPS IN EXOTIC METALS

Standard Pumps have a proven record of exceptional reliability. All parts in contact with corrosive media are made from exotic metals such as SS 304(CF8e), SS 316(CF8M), Gunmetal, Duplex etc.

This ensures that the Pumps are impervious to liquids and resistant to highly corrosive and thermal stresses depending on the process conditions & fluids involved.

Capacity range Upto 90 m³ / hr & Discharge Head Upto 60 bar.

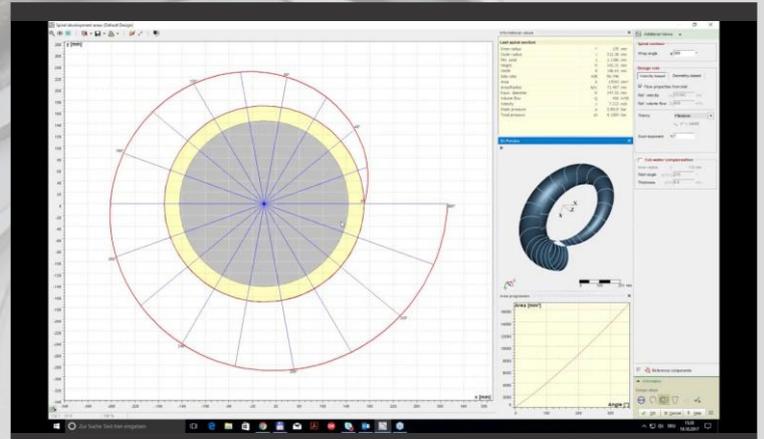
Besides these standard types, we cater for special requirements and develop Pumps which can be used safely & reliably for more demanding duties. In such cases we work closely with our customers. Our team of experts analyse the required liquid transfer and on this basis develop solutions which optimally meet their requirements in terms of performance, design & economy.

QUALITY AT EVERY STEP

PUMP DESIGN, PRODUCTION & TESTING

Design & Development Step

Raj Pumps design department is equipped with various 3D softwares for designing new Pumps, checking performances and the mechanical stresses.

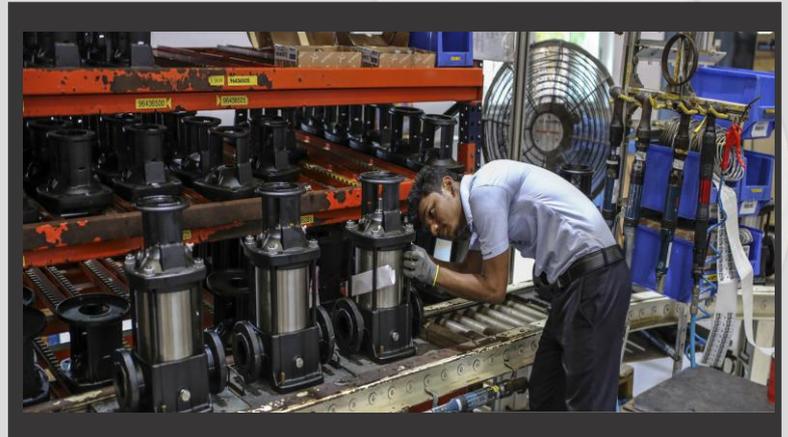


Machining

Our state-of-the-art Production facility is equipped with CNC, VMC & other automatic machines to machine all cast components very precisely.

Production

Our Pumps production line is State-of-the-art production line fitted with pneumatic tools. All the parts are fully interchangeable to get similar, effective & fast production of the Pumps.

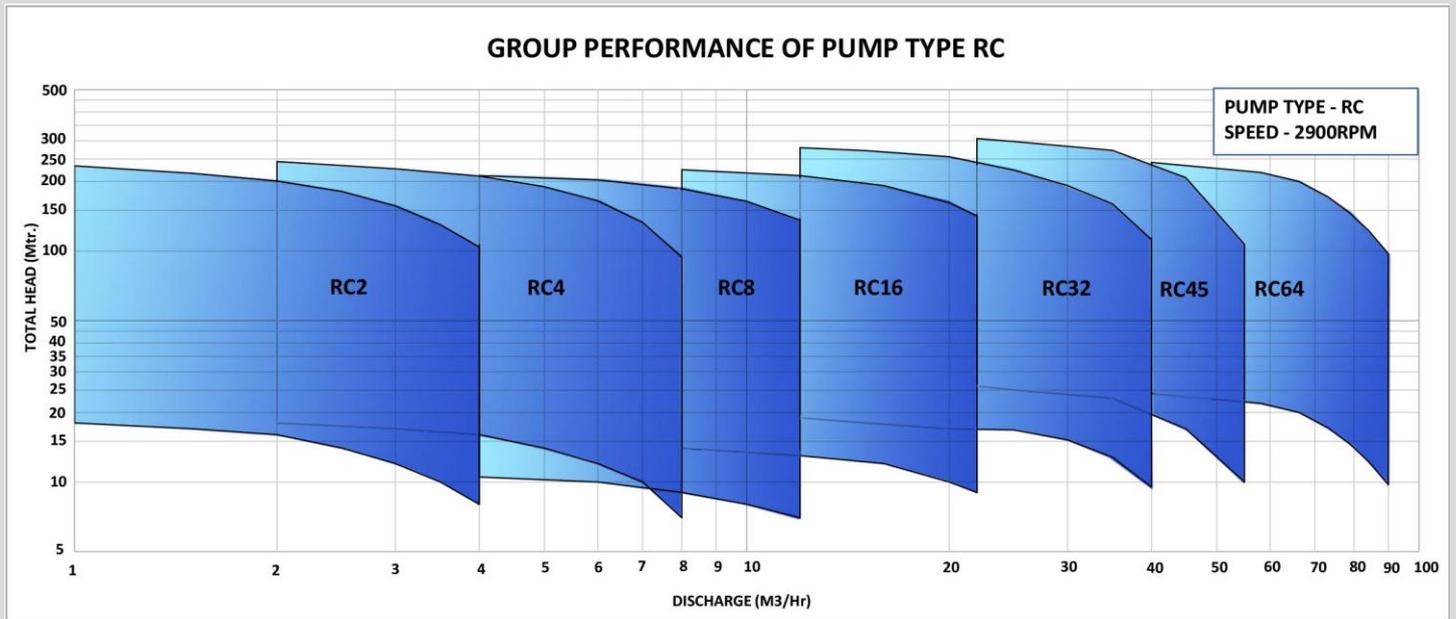


Testing Facility

Our Pump production centre is equipped with a Test Bench for testing every Pump of any design. This enables us to meet the customers's specific requirements, excellent quality and reliability in operation.



GROUP PERFORMANCE



APPLICATIONS

- Pressure Boosting
 - Cooling Systems
 - Air-Conditioning Systems
 - Horticultural Irrigation
 - Water Treatment Systems
- Boiler Feeding Systems
 - Fire Fighting Systems
 - Industrial Plants
 - Reverse Osmosis Systems
 - Ultra filtration Systems



High Pressure Pumps.(Combo)
Pressure: 60 Bar. Flow: 90 M³/Hr



Jockey Pump fitted in Fire Fighting System.



Hydropneumatic Pressure Booster Pumps



Boiler Feed Pumps

Water Evaporation Systems for the Mining Industry



Space saving vertical Pumps for Shipping Industry



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