



**We understand / diagnose the disease better**

**Optimising Pump Performance**

Many Pumps are over specified for the job in hand, therefore, identifying the Best Efficiency Point (BEP) is crucial for optimising Pump performance. With the addition of our Fluiglide efficiency coating and the re-engineering of key components within the Pump we can improve not only the efficiency of the Pump but also the life. With the use of Fluiglide we can often achieve the same flow rate with reduced power, saving electrical energy or increased flow and head for the same electrical input.



**We are available at your door-step**

We are equipped with

- On site & in-house performance testing as per relevant international standards.
- On site coating work execution to it's standard.
- On site periodic testing of (y)our assets.

This product and information is intended for use by buyers having requisite skill and know-how in the industry and therefore it is buyer's responsibility to satisfy itself of the suitability of the product for his own particular use and it shall be deemed that buyer has done so at its sole discretion and risk.

Information in this brochure is offered in good faith but without guarantee or liability.

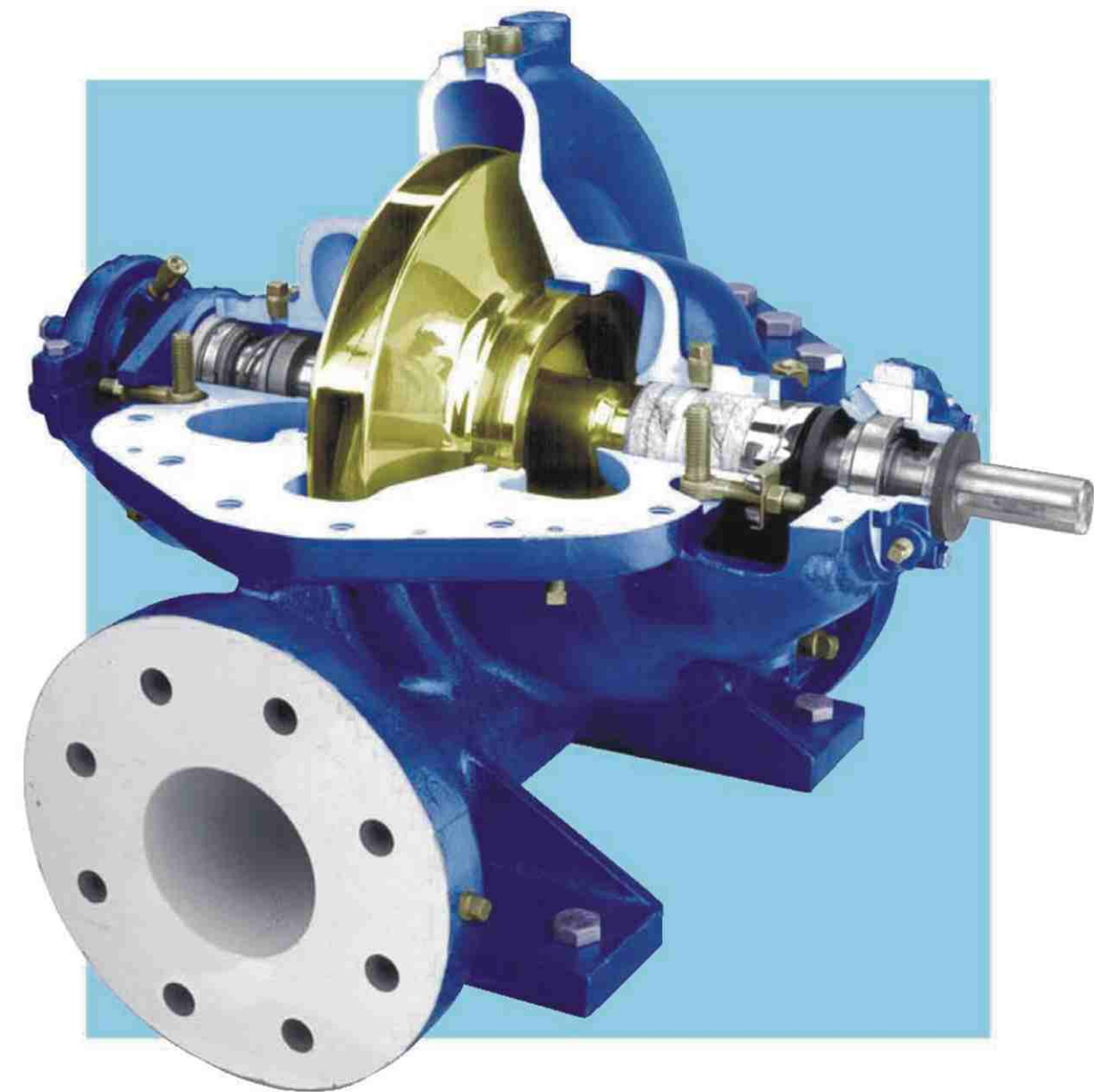


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**KIRLOSKAR CORROCOAT**



**A Complete Service for Pump Service, Repair and Protection**



Engineering Excellence

# A Complete Service for Pump Service, Repair and Protection



Providing Pump efficiency improvement and refurbishment services in India since 1993, Kirloskar Corrocoat has grown in size and structure to its present day position as a leader with the skills and facilities to repair and corrosion protect the largest of Pumps.

Considered to be world class, Kirloskar Corrocoat is based in Pune but has network all over India. Our list of clients include some of the most respected companies operating in the field as diverse as : Refinery, Oil & Gas, Chemicals, Power generation, Waste water and Marine.

Being a part of Kirloskar Brothers Limited, the largest Pump manufacturer and exporters in India and Corrocoat Limited UK, the largest Glassflake Coating manufacturer in the world enables us to provide the best Technology plus services to protect your assets and get optimum returns.



Our dedicated Pump Division offers customers a comprehensive service covering refurbishment, re-manufacture, modification and coating for corrosion protection of many types of Pumps. Our tailor-made service enables us to respond to individual customer requirements and our ability to provide equipment quickly and to budget are key elements in the service offered to the customers

Providing excellent long term performance, Kirloskar Corrocoat's ability to combine mechanical engineering with advanced polymer technology allows even severely damaged Pumps to be refurbished at a fraction of replacement cost, often without expensive replacement parts. The use of our advanced materials can prevent the need for expensive metallurgical solutions on new Pumps, and substantial efficiency improvements can be achieved by utilizing Fluiglide range of materials.

All Pumps and Pump parts are repaired by using state of the art technology, with upgrades in materials and tightening of tolerances to improve Pump life, efficiency and performance. Many of these Pumps are protected against corrosion using Kirloskar Corrocoat's well proven coatings - the selection of which is dependent on the service environment.



# We convert your expenditures in-to INVESTMENTS

## We ensure peak performance of (y)our Pumping system

We provide Energy improvement coatings to improve the Pump efficiency over and above already achieved thereby giving substantial saving in energy costs. These coatings have potable water certification. By use of these coatings, the efficiency of the new Pumps can be improved from 1% to 3% depending on the type of Pump and specific speed.

Our experience & expertise offers the best Pump refurbishment solutions in case of old used Pumps, where the efficiency improvement is much higher i.e. in the range of 10 - 12 %. The ROI on these coatings due to energy savings is less than 6 months.

## We convert your expenditures in-to INVESTMENTS

By investing in Kirloskar Corrocoat solutions one can get

- Superior surface finish to hydraulic passages in less time and efforts.
- Superior surface finish helps in boundary layer suppression which ultimately results in higher effective Hydraulic passages.
- Coating is Hydrophobic in nature & nullifies the Intra-molecular force of attraction between Fluid & base substrate.
- Combination of Superior surface finish and Hydrophobic nature results in remarkable reduction in the frictional losses.

## Impeller Wear Rings

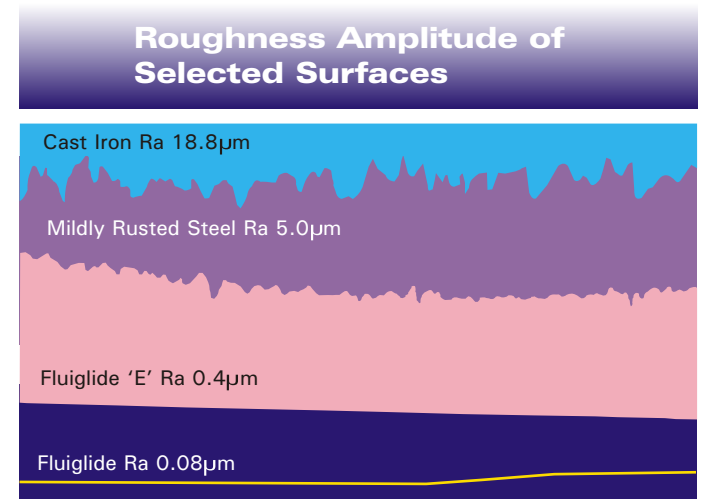
Impeller wear ring material can be standard or upgraded to suit whatever environment the Pump is operating in for example, from stainless steel to Super Duplex materials.

## Testing Facility

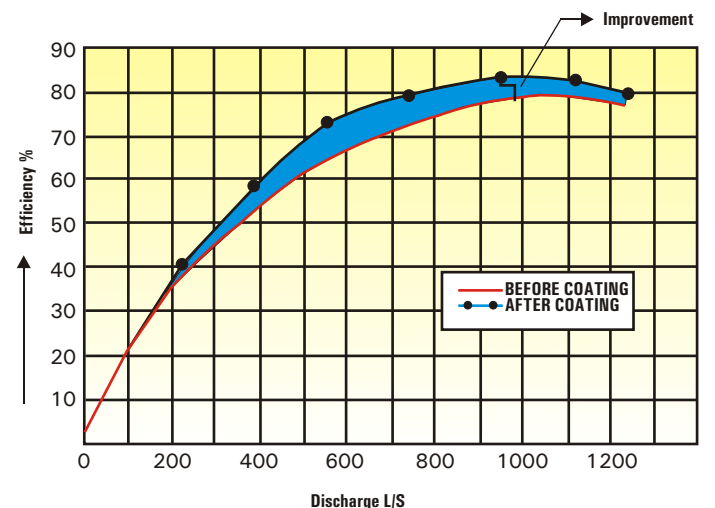
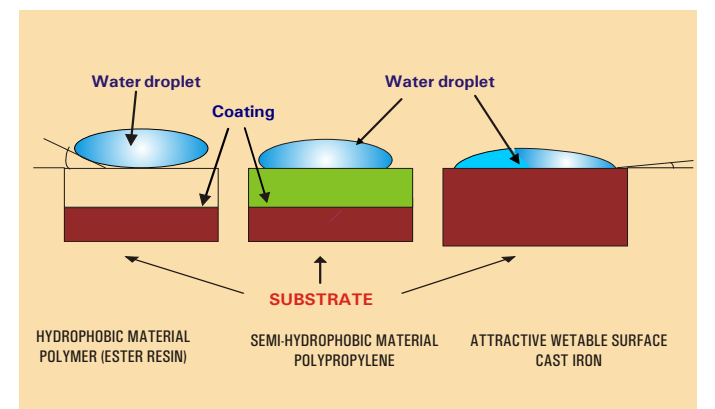
At Kirloskar Corrocoat we know that our Pumps will be used in critical applications and where necessary Pumps can be tested in accordance with BS 5316 Class C and Class B; API 610; IS 9137 or customer standard in the lab. largest in Asia and certified by BHRA. All works are carried out to ISO 9001 Quality Assurance.

## Completion Pack

Every refurbished Pump is returned to the customer with its own 'Completion Pack' giving assurance to the client that the work has been carried out to the highest standard. This pack contains: performance test data, an internal hydrostatic test certificate and mill certificates for material traceability (if required). Details of all work carried out with relevant photographs are also included.



## Difference in Droplet Contact Angle



Investments in Kirloskar Corrocoat gives better , faster and assured ROI.