



RESICAST.. Since, 1982

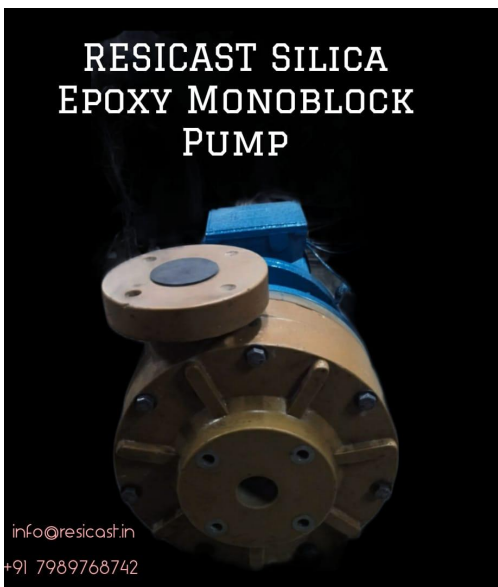
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Corrosion Resistant Monoblock Centrifugal Pump

MOC: Silica Epoxy, Graphite

Product Overview

Your age old robust & corrosion resistant RESICAST Silica Epoxy & Graphite pump now available in monoblock version as well. No more alignment problems, fewer part count coupled with best in class efficiency delivers a lowest total cost of ownership non metallic pump in the industry



Design Features

RESICAST type designed specifically for corrosive chemical service. Capacities up to 100 m³/hr. Total Head up to 50 meters. Temperatures up to 130 Deg C (depending up fluid & concentration)

Casing & Backplate

Heavy Silica Epoxy construction without any MS plate to support makes suitable for corrosive duty



Impeller

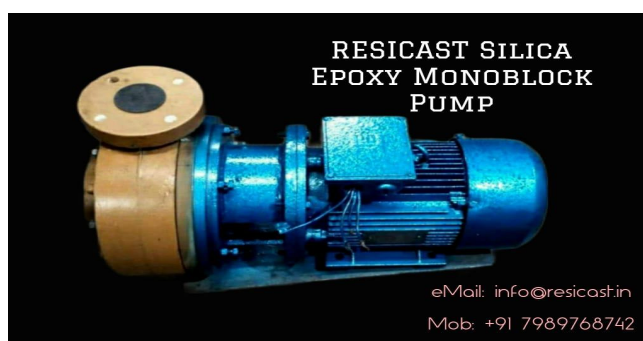
Standard Semi Open & Close type impeller cast integral with shaft & hence chances of joints being corroded is eliminated and is directly attached on motor shaft. All parts of the impeller coming in contact with service fluid are silica EPOXY, damage due to reverse rotation is eliminated. Options for sleeves also available on customer request.

RESICAST Advantage

Highly engineered composite pump, we have developed a special "Polymer Concrete" / "Ceramic" epoxy silica composite & are the one of the oldest & only manufacturers of such pumps in the country.

Unmatched mechanical strength & wear resistance in non metallic pumps ensures your pumps have longer life similar to metallic pumps. We use novolac thermoset resins used in demanding applications like ship propellers & aerospace structures.

Highest efficiency in non metallic pumps: Lower coefficient of thermal expansion of epoxy leading to smaller clearances & custom molding/machining (not mass production of standard casings) ensures that we deliver up to **20%** higher efficiency than most thermoplastic (PP, PVDF, PFA) pumps in the market. Upon replacement with Resicast pump you can recover your investment in 6-12 months.

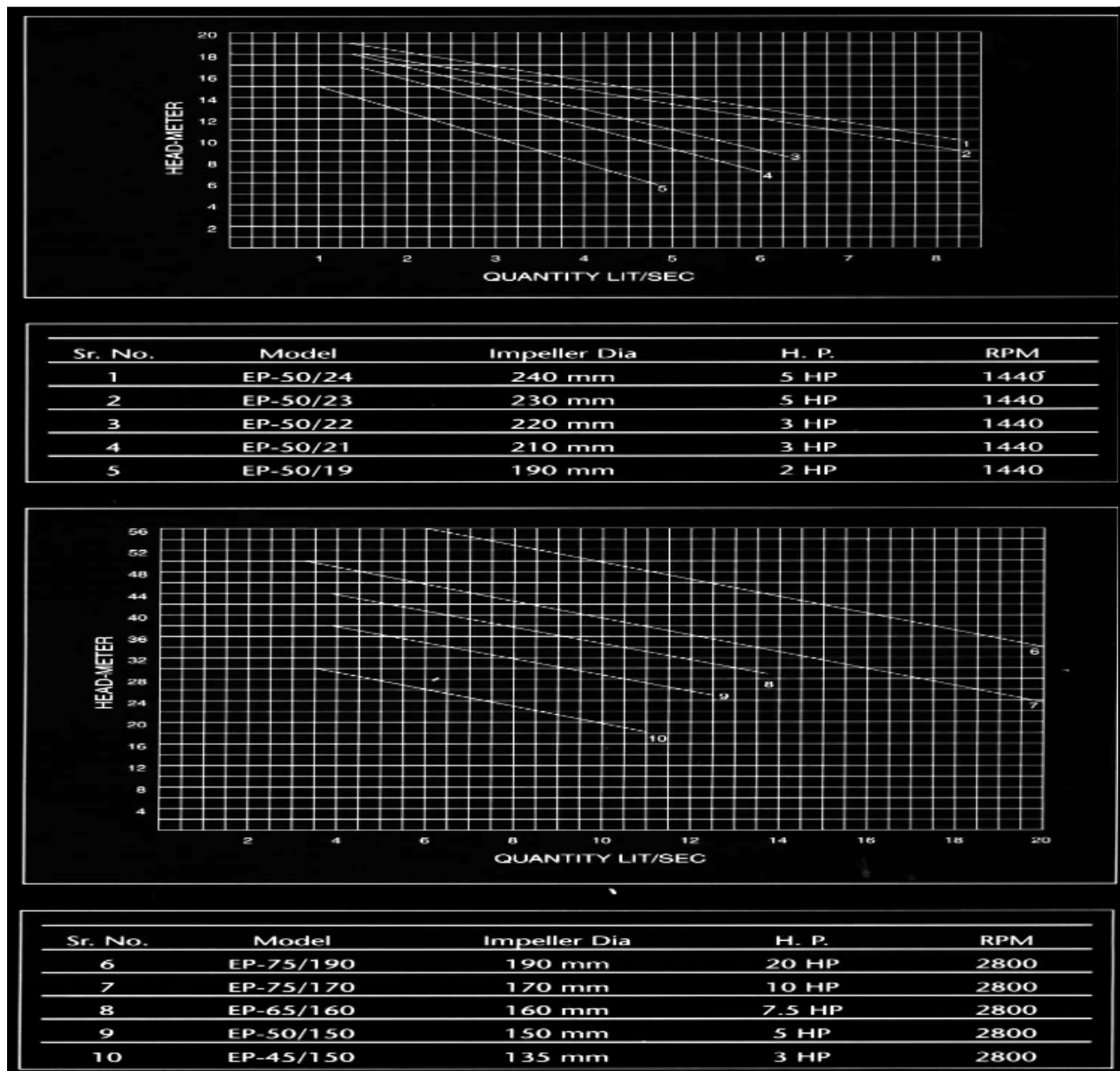


Breakthrough design with fewer parts: Integral molded single piece shaft impeller, no separate liner concern, no separate impeller lock nut, gasket, no need for a separate shaft sleeve. Total part count $\frac{1}{2}$ of other pumps in the market



Easy maintenance coupled with modular design for component interchangeability ensure lower spares inventory & no need for skilled fitters

Pump Performance Curves





* Please check with plant on availability of 10 HP and above pumps

Chemical Compatibility

Typical applications where Epoxy resin provides good resistance are as follows:	
<ul style="list-style-type: none"> • Acetaldehyde • Acetone • Acetic Acid • Ethyl, Methyl, Amyl and Benzyl Alcohols • Aluminium Chloride • Aluminium Fluoride • Alum • Barium Carbonate • Barium Chloride • Barium Sulfide • Benzaldehyde • Benzene • Bezoic Acid • Butyric Acid • Calcium Carbonate • Calcium Chlorate • Calcium Hydrochlorite • Carbon Tetra Chloride • Citric Acids • Fatty Acids • Ferric Chloride • Ferric Nitrate 	<ul style="list-style-type: none"> • Ferrous Chloride • Ferrous Sulfate • Hexene • Hydrobromic Acid • Hydrochloric Acid - 33% • Hydrofluoric Acid • Hydrogen Peroxide • MCB • Nitric Acid (10% solution) • Phosphoric Acid • Potassium Carbonate • Potassium Chloride • Sodium Bicarbonate • Sodium Bisulfate • Sodium Carbonate • Sodium Hydroxide (20%) • Sodium Hypochloride • Spent Acid • Stearic Acid • Sulfuric Acid (10% - 98%) • Zinc Chloride

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* Please check with us for compatibility of your service fluid, compatibility can change based on temperature & fluid concentration