



RESICAST..Since, 1982

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Corrosion Resistant Centrifugal Metallic Pumps

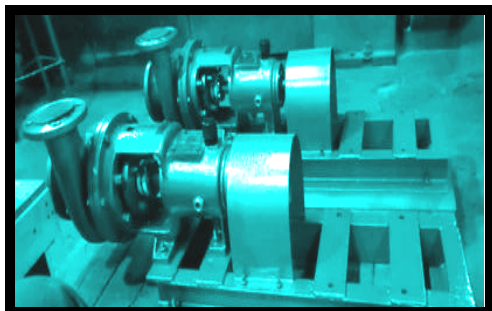
MOC: SS 316, SS 304, Cast Steel, Alloy 20, Hastelloy B & C, Titanium & Nickel

Product Overview

RESICAST pumps boast of an extensive line of Metallic Pumps specifically designed for corrosive & abrasive duty. With 40+ years experience in designing centrifugal pumps & precision machining & alloy casting expertise we provide a quality pump line which offers best in class efficiency & lowest total cost of ownership for our customers

Design Features

RESICAST type designed specifically for corrosive chemical service. Capacities up to 100 m3/hr. Total Head up to 70 meters. Temperatures up to 200 -250 Deg C in a variety of corrosion resistant metals & alloys aptly selected for your specific applications.



Casing & Backplate

Heavy duty construction with back pull pull out design for ease of installation & maintenance.



Impeller

We offer Open, Semi Open & Close type impeller with smooth surface optimally designed to handle a variety of corrosive & abrasive liquid, minimize radial & axial loads as well maximize hydraulic efficiency. We offer radial vane semi impellers as standard which offers longer life, reasonable efficiency & makes our pumps suitable for slurry applications as well.

Packing & Sealing

Gland packing as well as both internal and external sealing options available in a variety of faces (SiC- Ceramic, GFT- Ceramic, TC- Carbon, SiC -Carbon) as well as bellow options as per the demands of the application.

Resicast SS 316 Pump Value Proposition - Power Savings (Semi Open Impellers)				
Head	30	30	30	30
Flow (m3/hr)	72	54	40	25
Resicast (HP)	12.5	10	7.5	5
Reputed SS316 Pump Co (HP)	15	12.5	10	7.5
Operating Load	75%	75%	75%	75%
Operating Hrs per day	20	20	20	20
Operating Days Per Month	20	20	20	20
Per Month Resicast Power Consumption (KW hr)	2799	2239	1679	1119
Per Month Reputed SS316 Co Power Consumption (KW hr)	3358	2799	2239	1679
Per Month Resicast Power Consumption (Rs)	22388	17910	13433	8955
Per Month Reputed SS316 Co Power Consumption (Rs)	26866	22388	17910	13433
Savings with Resicast Pump (12 months) -Rs/Per Pump *	53,731	53,731	53,731	53,731
*Representative Calculation				
Pump Price Resicast (Rs)	XXXX	XXXX	XX	XX
Pump Price Other Reputed SS316. CO (Rs)	XXXX	XXXX	XXX	XXX



Shaft

Both Sleeved & Solid options available. Shaft designed to offer one of the lowest L3/D4 ratios(Stiffness Ratio) to minimize deflection at stuffing box faces & provide longer mechanical seal & bearing life. This gives our pump the ability to operate trouble free even closer to shut off or further away from the best efficiency point.

Bearing Frame, Bearings and Couplings

Heavy bearings on the drive shaft housed in a rugged cast iron bearing frame provides solid support to ensure long bearing life. Liberally designed Love Joy coupling provided as standard

General Arrangement Drawing

RC-SS/40/XX

