

Silica Epoxy is the most corrosion resistant material of construction for Chemical Industries, developed by **Sando** after years of research and development and under the technical guidance of a European company. The same has resulted into specialised Silica Epoxy Pumps which are way ahead of other conventional, century old material of construction available in polypropylene, FRP, PVDF and rubber Lined.

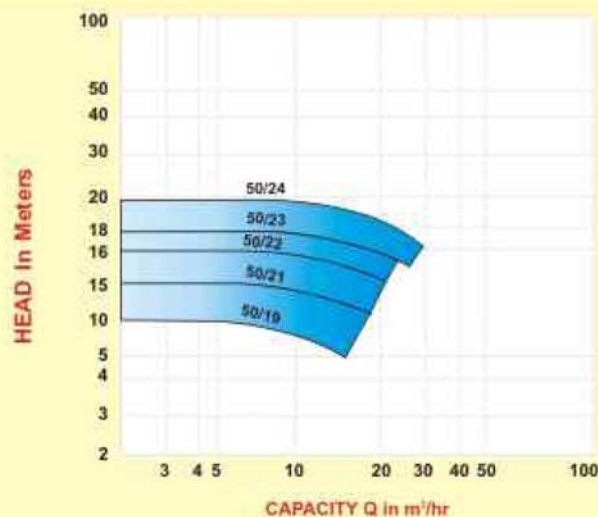
The Ardeous and Hazardous Acids, Alkalies and many of the organic as well as inorganic process chemicals are efficiently handled by **Sando** Silica Epoxy Pumps. Silica Epoxy Pumps are having better mechanical strength, higher temperature stability upto 150°C and excellent abrasion resistant properties.

Yes! It is an unbeatable product of the 21st century from young and committed group of Technocrats having two decades of experience in the field of flow control equipments with a well laid out manufacturing and testing facility & solid designing base. Corrosion control is our speciality.



# SILICA EPOXY

## CHEMICAL PUMPS



## APPLICATION TABLE

APPLICATION	MATERIAL GRADE	RD	EPN	CAF
ACID ACETIC			■	
ACID ACETIC ANHYDRIDE			■	
ACID AMINO SULPHURIC			■	
ACID BENZOIC		■		
ACID BORIC		■		
ACID BUTYRIC		■		
ACID CHLORO ACETIC		■	■	
ACID CHLORO SULPHONIC		■	■	
ACID CITRIC		■		
ACID FATTY		■		
ACID FLUO SILICIC				■
ACID HYDRO BROMIC				■
ACID HYDRO CHLORIC		■		
ACID HYDRO CYANIC				■
ACID HYDRO FLUORIC				■
ACID MIX			■	
ACID NITRIC (< 20%)			■	
ACID SULPHURIC (0-98%)			■	
ACID STEARIC		■		
ACETALDEHYDE		■		
ALCOHOL ETHYL, METHYL, BENZYL		■		
BENZYLDEHYDE			■	
CARBON TETRA CHLORIDE			■	■
CHLORO ACETIC ACID			■	■
CHOLRINE (WET)		■		
DYE LIQUOR		■	■	
FERRIC CHLORIDE		■		
HYDROGEN PEROXIDE		■	■	
NITRO CHLORO BENZENE		■	■	
SODIUM CHLORIDE		■		
SODIUM HYDROXIDE (CAUSTIC 20%)		■		
SODIUM HYPO CHLORITE SOLN		■		
ZINC CHLORIDE		■		

**BASIC FEATURES :** \* Horizontal Centrifugal Pump \* Back Pull-out Vane Design \* Single stage, End Axial suction \* Radially upward delivery \* Closed & Semi open Impeller \* Axial Thrust balanced by back vanes \* Volute casing bigger in size to minimize radial thrust.

**OPTIONAL FEATURES :** \* Shaft Sealing by Mechanical Seal \* Gland Packing with Titanium sleeve \* Hastalloy & Alloy 20 Sleeves available.

**INTERCHANGEABILITY :** The entire Series is designed in Modular Structures so that pumps of all sizes have the best possible interchangeability of parts.

**RELIABILITY :** The pumps are hydraulically designed for maximum efficiency & low NPSH for higher suction lifts to avoid cavitation under difficult suction conditions. Every 'Sando' Pumps passes through stringent quality control and is designed to give longer life with consistent performance and trouble free service.

**APPLICATION :** 'Sando' Silica Epoxy Pumps are most suitable for highly corrosive, toxic & Hazardous Liquids.

**INSPECTION :** 'Sando' can offer external inspection on client's request through several inspection agencies of international repute including UHDE, DAVY POWER GAS, HUMPHREYS & GLASSGOW, ICB.EIL Etc.



**SERVICE :** Highly standardized designs with maximum interchangeability result in very low inventory. However, spares and service are available through nation wide marketing and dealership network.

**RANGE :** CAPACITY : UP TO 100M<sup>3</sup>/HR  
PRESSURE : UPTO 10kg/cm<sup>2</sup>g  
HEAD : UPTO 60mts MLC

TEMPERATURE : 0°C TO 150°C  
SP. GRAVITY : UP TO 2  
SOLIDS : UP TO 20%



## Sando Rotary Equipments Pvt. Ltd.

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