

Magnetic Drive Sealless Pumps - Centrifugal (Non Metallic)



With more complex processes and growing demands on plant flexibility and safety, requirement of use of highly advanced and universally resistant plant components have become a necessity. **SANDO** offers a complete range of plastic-lined, chemical process centrifugal pumps which satisfies these demands to a very high degree.

Our products are designed for use with difficult fluids, regardless of whether they are corrosive, hazardous, pure or even ultrapure. the chemical and pharmaceutical industries, semiconductor production, the petrochemical industry, the pulp industry, the extractive metallurgy and metal processing industries, food production, environmental engineering, water desalination and many other branches use our products.

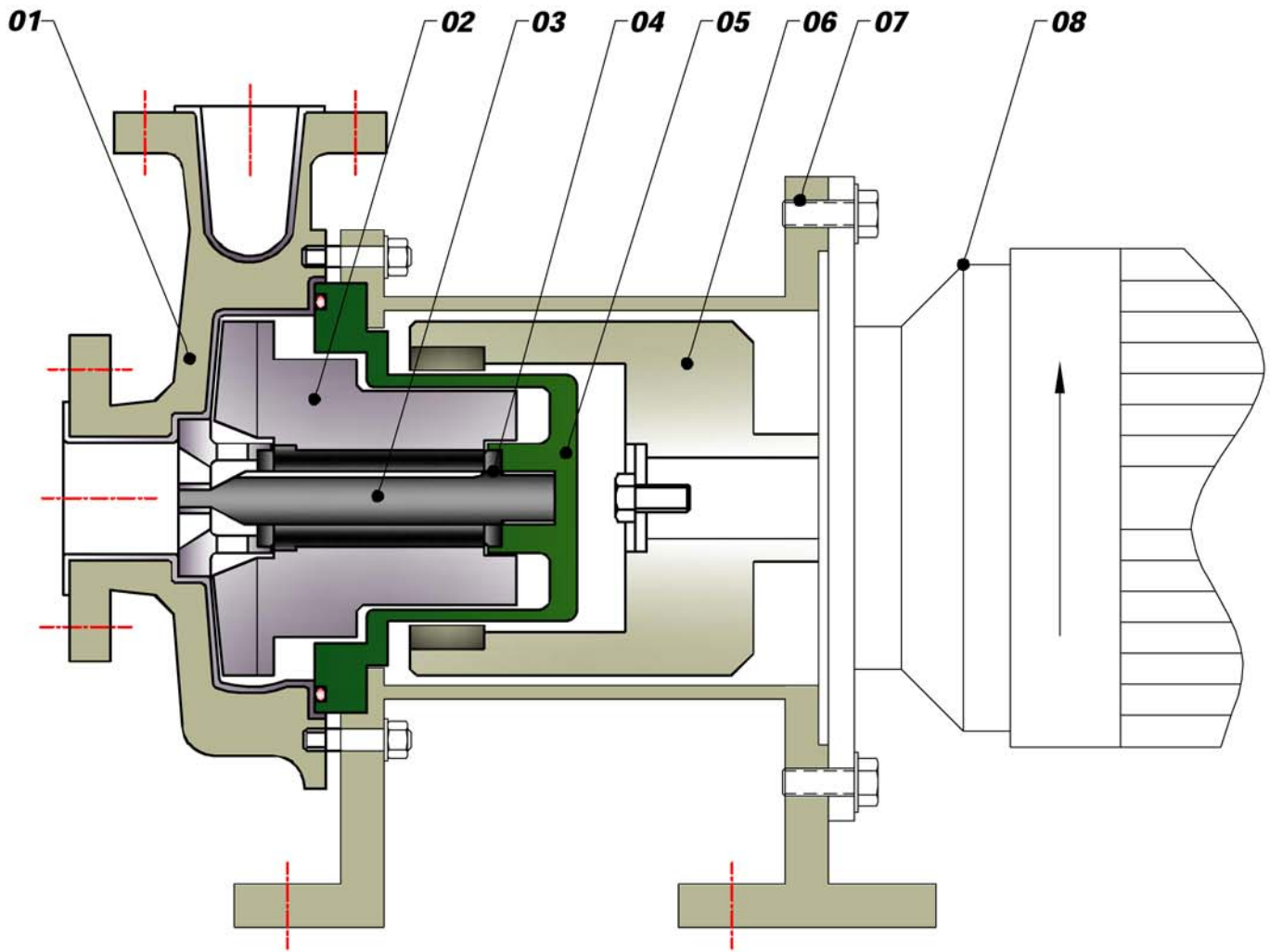
For fluids where stainless steels, iron silicon alloy etc. and diverse plastics are no longer sufficiently resistant to corrosion, as alternatives to expensive special metals and alloys, such as Hastelloy, titanium, Monel and nickel. Our products are used for applications where:

- High demands on the ease of cleaning of the wetted components used is required.
- Pure and high-purity fine chemical and semiconductor fluids of high-purity are handled,
- Highly permeating fluids are transferred
- the fluid transferred must not come into contact with metals
- when environmental protection regulations demand the safe separation of fluid and atmosphere.

RANGE

Head M	Flow M ³ /hr	Temp. °C	Sys. Pressure Bar	Mounting	Design Std.
From 10 - 60	From 2 - 50	-40 to +200	Up to 10	Close Coupled or Separate Mounted	ASME B 73.1

Construction



001	Lined Casing	FEP or PFA Lined CS	006	Driver Magnet	En8
002	Impeller Magnet	PTFE	007	Pump Body	Mild Steel
002A	Bush	Alpha SiC	008	Electric Motor	Standard
003	Centre Shaft	Alpha SiC	009	Base Frame	Mild Steel
004	Thrust Bearing	Alpha SiC	010	Fastners	Various
005	Isolation Shell	Carbon PTFE			

Options

Material of Construction

Wetted Parts : FEP or PFA Lining, PTFE, ETFE
 Internal Bearing : Alpha SiC / Carbon
 Gaskets : PTFE / CAF

Other Options

Casing Drains Flanged or Screwed
 Jacketed Casing & Isolation Shell
 Coupling Housing Drain

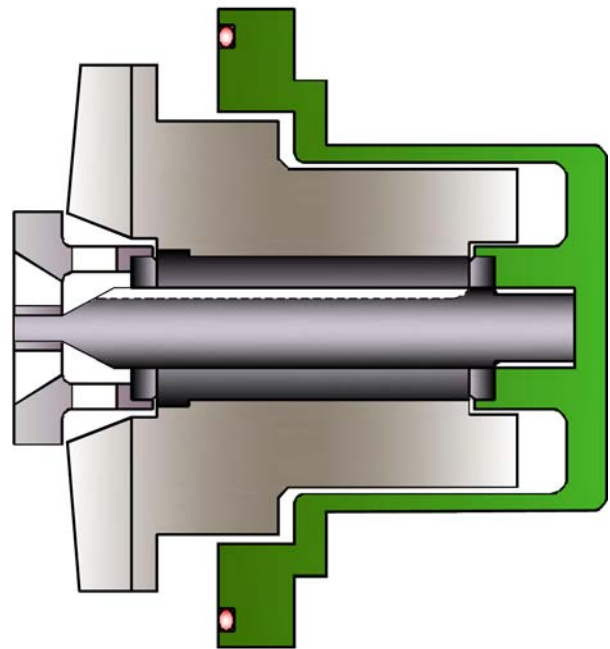
SPARE

CARTRIDGE REPLACEMENT

- ✓ Low Cost alternative to a standby pump
- ✓ Your used cartridge refurbished and returned
- ✓ Cartridge replacement keeps your spares inventory low
- ✓ Cost effective standby for multi-pump installations.
- ✓ On sight installation, using your own staff.

There has never been a more cost effective way to keep your plant inventory at a manageable level than with a **SANDO** Replacement Cartridge. It is easy to install and it completely complies with the original technical specifications of your pump.

The complete rotating unit is replaced thus ensuring the total operational integrity of the pump. The cartridges can be replaced within an hour, keeping the downtime and lost production to a minimum.



Other Pumps Manufactured by SANDO

Other Pumps Manufactured by **SANDO** are as listed below:

- Sealless Magnetic Drive Internal Gear Pumps
- Sealless Magnetic Drive External Gear Pumps
- Sealless Magnetic Drive Self Priming Pumps
- Sealless Magnetic Drive Axial Flow Pumps
- Sealless Magnetic Drive Inline Homogenizers

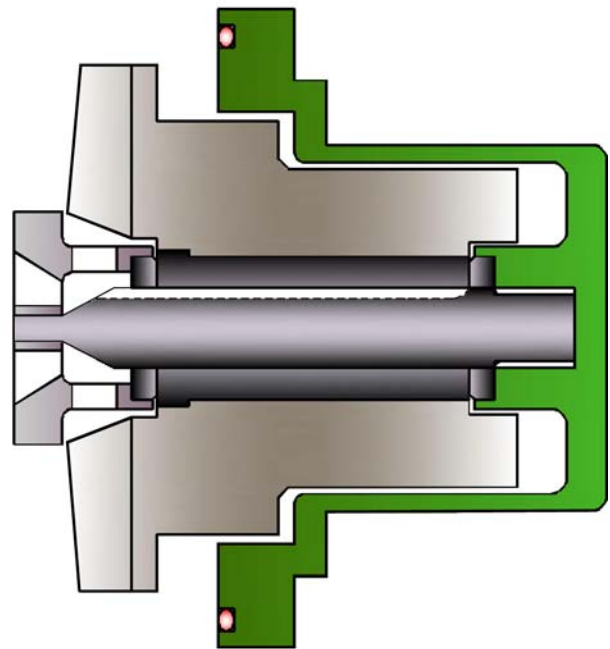
SPARE

CARTRIDGE REPLACEMENT

- ✓ Low Cost alternative to a standby pump
- ✓ Your used cartridge refurbished and returned
- ✓ Cartridge replacement keeps your spares inventory low
- ✓ Cost effective standby for multi-pump installations.
- ✓ On sight installation, using your own staff.

There has never been a more cost effective way to keep your plant inventory at a manageable level than with a **SANDO** Replacement Cartridge. It is easy to install and it completely complies with the original technical specifications of your pump.

The complete rotating unit is replaced thus ensuring the total operational integrity of the pump. The cartridges can be replaced within an hour, keeping the downtime and lost production to a minimum.



Other Pumps Manufactured by SANDO

Other Pumps Manufactured by **SANDO** are as listed below:

- Sealless Magnetic Drive Internal Gear Pumps
- Sealless Magnetic Drive External Gear Pumps
- Sealless Magnetic Drive Self Priming Pumps
- Sealless Magnetic Drive Axial Flow Pumps
- Sealless Magnetic Drive Inline Homogenizers

Typical Applications

Specifying the best pump for any application requires a detailed technical understanding of the process involved

SANDO has always operated on the basis of an intensive and continuing dialogue with our customers, we regard the free flow of information in both direction to be of paramount importance

Typical liquids pumped:

Acids, Alcohols, Alkalies, Halogenides, Heat Transfer fluids, Hydrocarbons, Salts, Solvents, Oils etc.

Other SANDO Products

SANDO with presence in all the sectors of the Pharmaceutical, Bulk Drug & Chemical has learned that most of the clients require a partner for their success rather than a good supplier. Hence, **SANDO** has invested a great deal of their effort, time and experience to be a partner in the endeavors of its clients by supplying equipments for Aseptic & High Purity Processes, Bulk Drug Processes, Chemical & petrochemical processes.

SANDO PRODUCT RANGE

BAGI Mixers	<i>Magnetic Drive Bottom Mounted Mixers</i>
BAGI Mixers (CM)	<i>Magnetic Drive Bottom Centre Mounted Mixers</i>
BAGI Homogenizers	<i>Magnetic Drive Bottom Mounted Homogenizers</i>
MDTA Agitator Drives	<i>Top Mounted Magnetic Agitator Drives - Process Scale</i>
MDLA Mixers	<i>Magnetic Drive Mixers for Lab Reactors</i>
Inline Homogenizers	<i>Magnetic Drive In Line Homogenizers</i>
Pumps	<i>Magnetic Drive Pumps</i>
Pressure Reactor System	<i>Pressure Reactors with Magnetic Mixers</i>