



Mineral cast pump

TYPE MC

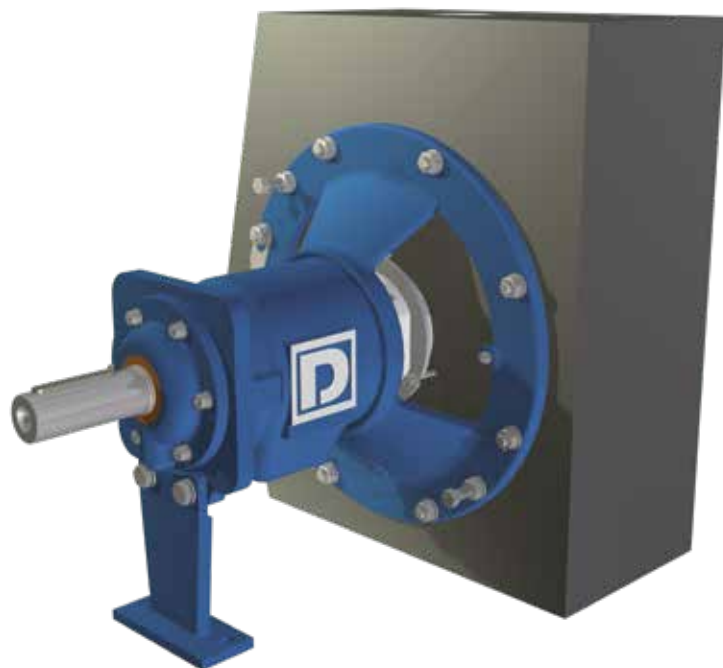
Extremely high abrasion and corrosion resistant.

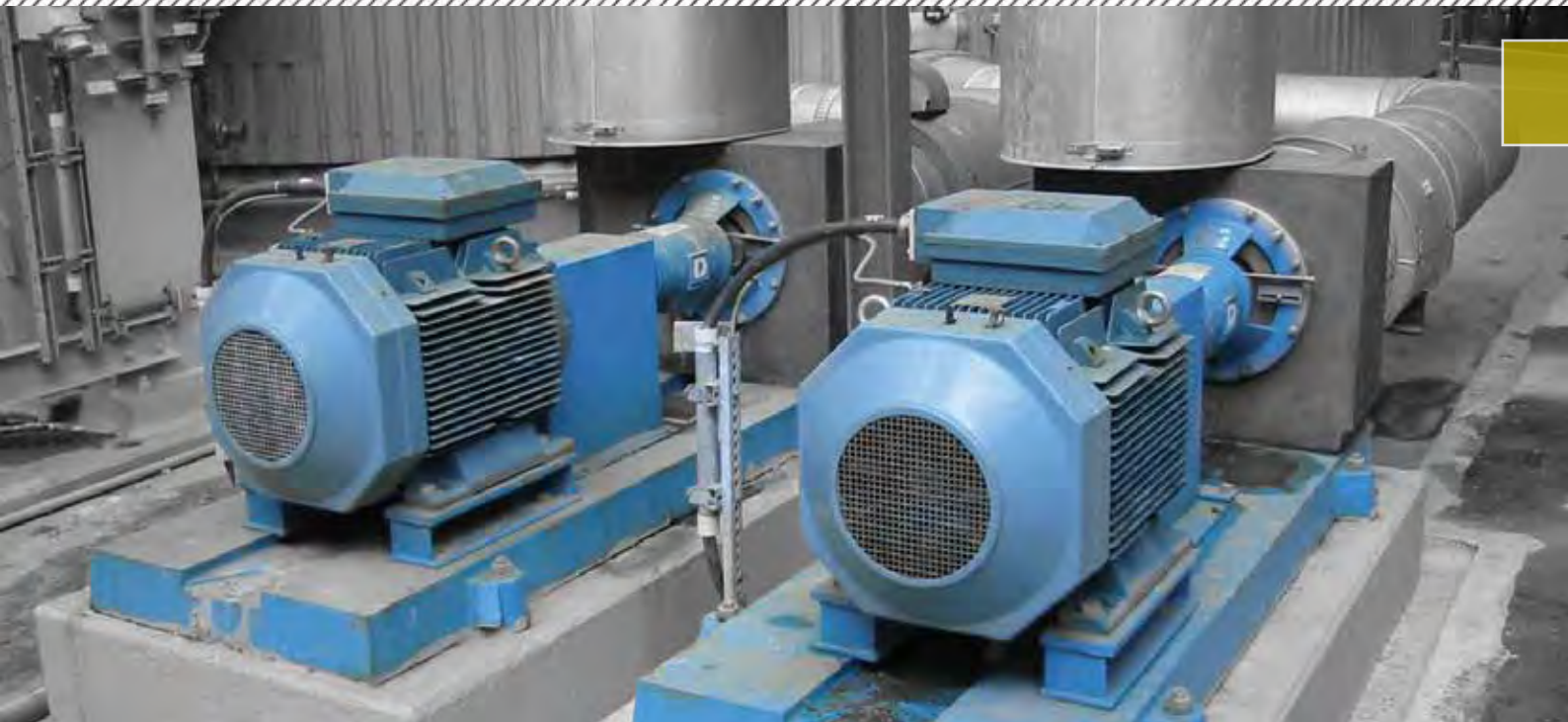


MC Design

Horizontal single-stage centrifugal pump in back pullout design.

- Pumping of abrasive and corrosive liquids
- All components which are in contact with the liquid are made of SICcast®
- Suction flange: Axial
- Discharge flange: Top (Vertical)
- Open or closed impeller with spatially curved vanes
- Impeller is key driven; reverse rotation (e.g. back-flushing) is possible
- Re-adjustable inclined gap between impeller and volute casing to optimize the efficiency and differential pressure after longer operation
- Single acting, metal free mechanical seal DÜTEC® with springs located outside of the liquid (other seal types available)
- Oil-lubricated antifriction bearings
- Back pullout design (the complete rotating assembly can be removed while the casing remains on its position)
- In many applications the wear life of SICcast® greatly exceeds conventional materials
- Available with heavy-duty bearing units for extreme applications
- Optimized design ensures easy maintenance and long service life even under difficult conditions





Fields of Application

Pumping of abrasive and corrosive liquids.

- Flue gas desulfurization
- Incinerators
- Pigment industry
- Chemical industry
- Water treatment
- Seawater desalination
- Fertilizer industry / Potash industry

Materials

Volute casing:	SICcast®
Impeller:	SICcast®
Shaft:	1.4462
Mechanical seal:	Silicon carbide (SiC)

Technical Data

Pump Size:	DN 32 to DN 300 (1 1/4" to 12")
max. Pressure:	10 bar (150 PSI)
max. Flow:	1500 m³/h (6600 gpm)
Total head:	up to 90 m (300 ft)
Rotating Speed:	up to 3600 rpm



Casing Cover

Made of SICcast® mineral cast.

Impeller

Open or closed impeller with spatially curved vanes constructed in SICcast® mineral cast.

Volute Casing

Made of SICcast® mineral cast.
Flat face flanges.
Unique block design.
Drain connection available.

Bearing Housing

Designed to guarantee the continuous bearing lubrication.
Provided with oil level indicator.

