

Materials

Volute casing:	**SIC**cast
Impeller:	**SIC**cast
Shaft:	1.4462
Mechanical seal:	Silicon carbide (SIC)

ATEX

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** (295 ft)
Rotating Speed:	**up to 3600 rpm**

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

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 **SIC**cast
- 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 **SIC**cast greatly exceeds convential materials
- Available with heavy-duty bearing units for extreme applications
- Optimized design ensures easy maintenance and long service life even under difficult conditions

