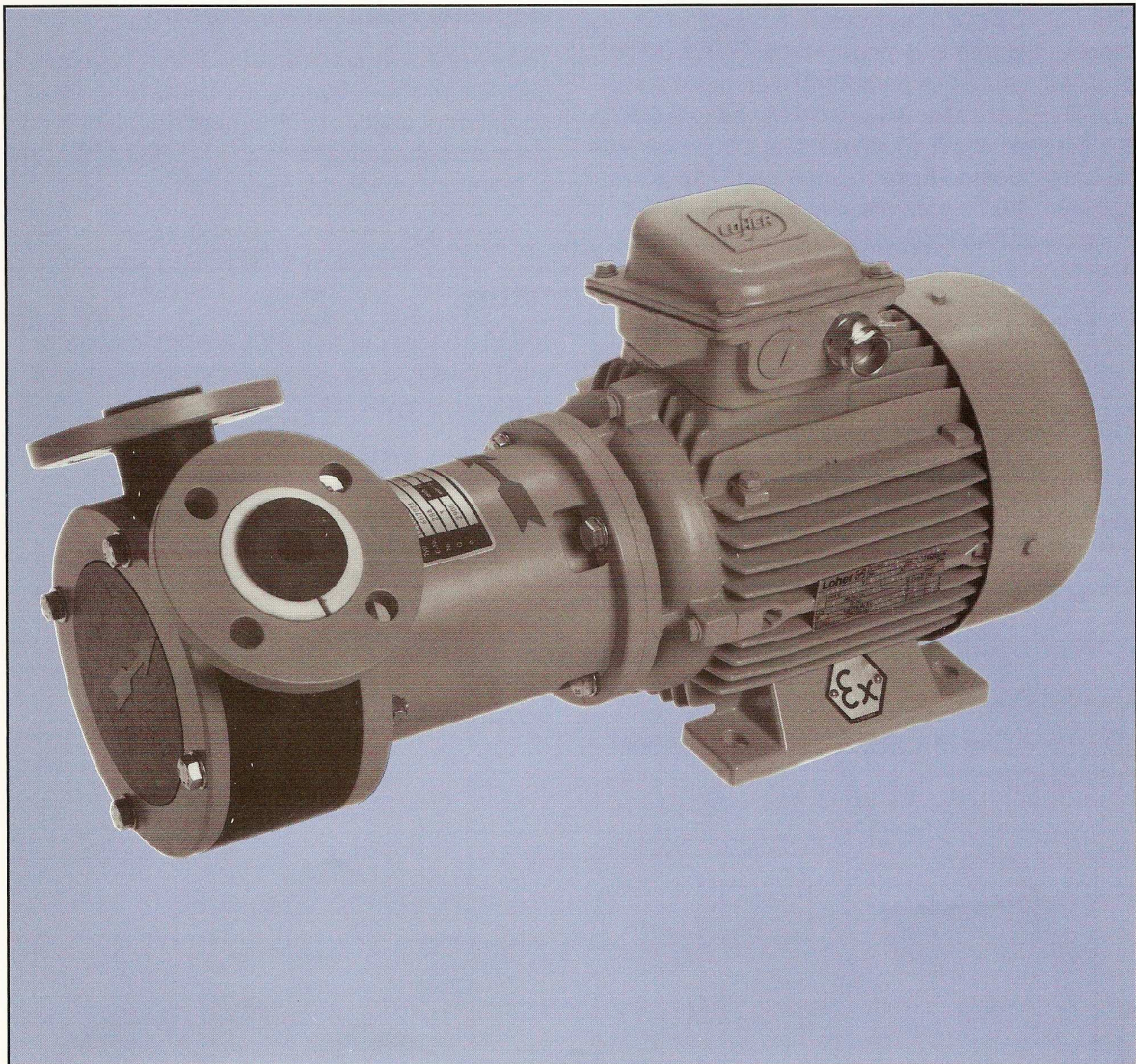


Chemical Peripheral Magnetic Pump
GEKOBLOCK Type 25-100 PM-30
PTFE-lined
For highly aggressive media



Introduction

The GEKOBLOCK corrosion resistant peripheral magnetic-pump is a PTFE/PFA construction close coupled glandless side-channel pump.

The GEKOBLOCK pump is used, whenever highly aggressive, toxic or dangerous fluids, without solids or crystalline particles need to be conveyed in absolutely leak proof manner.

Description

Design

The GEKOBLOCK corrosion resistant magnetic-pump is a single stage, PTFE/PFA close coupled, glandless leak proof pump. The PTFE impeller is horizontally adjustable on the ceramic shaft, which runs on silicone carbide bearings located at each end. Broad clearance guarantees a trouble free circulation of the liquid, thus avoiding dry running.

The power is transmitted by permanent magnets. The pump is hermetically sealed and absolutely leak proof.

Casing:

Pump-casing made from GGG40.3, lined with PFA. PFA-thickness is 4 mm.

Connections:

Flanges according to DIN 2501/1 or ANSI 150 lbs.

Casing pressure:

Up to **16 bar** (it depends on pump design).

Operating temperature:

Up to **150° C** (it depends on pump design).

Bearings:

Silicon carbide (SiC)

Magnetic Power Transmission:

The permanent magnet transmission system consists of PTFE covered internal magnets and a flywheel mass with external magnets. The pump is hermetically sealed by a PTFE-lined isolation-shell and therefore absolutely leak proof.

Standard-Drive:

Three phase current motor explosion proof EEx e II T3, 1,85 kW, 400 V, 50 Hz, 3000 rpm. Design IMB34. Specials, such as motors within other ignition groups, are also available.

Minimum flow rate:

0,05 m³/h