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Lutz B80 Vertical Centrifugal Pumps

Three Series, One Concept

HME Series KME Series KGK Series G1/G2

Safety is our concern

Lutz B80 Vertical Centrifugal Pumps

Durable in service



Construction benefits

- 🖌 Special vapour seals
- Plain bearing or bearing-less versions available
- All parts coming into contact with the liquid are made of corrosion resistant plastics
- Abrasion resistant material combinations possible
- ✓ Wet-well or dry-well installation
- Immersion depths from 275 to 4000 mm, deeper immersion depths possible using tail pipe
- Motors from 0.75 kW as per efficiency level IE2 in accordance with Directive 2005/32/EC

Perfection in plastic

The B80 vertical centrifugal pumps are designed for use in closed, unpressurised containers, pools or excavations.

Special design features enable a long service life and a high level of operational safety. No metal parts come into contact with the fluid being pumped, no housing screws are located in the area of the KGK Series that comes into contact with the medium. A uniformly substantial casing thickness guarantees the highest level of mechanical stability.

Special vapour seals protect the driving elements and surrounding area from gases and vapours.

The product range incorporates 3 basic series of different versions and capacity ranges, all offering the maximum level of component compatibility – the right pump solution for every pumping application.

High levels of operational safety and low wear

An interlocking coupling is used to transmit power between the motor and the pump. The motors in the KGK Series are equipped with generously dimensioned roller bearings mounted axially and radially. In the directlycoupled KME and HME Series, an innovative 2-piece motor mounting enables rapid access to facilitate maintenance work on the motor and coupling.

The HME Series for dry-well installation featuring a bearing-less cantilever design is used to pump mechanically contaminated fluids and is capable of intermittent dry running.

The motor is safely protected against corrosive acid vapours by a single or double shaft seal. The seal itself does not come into contact with liquids. Liquid flowing up inside the shaft guide tube flows back into the container through overflow holes.

The robust plain bearing fitted in the KGK and KME Series can be made of either PTFE-GF/ ceramic or SiC/SiC.

Applications

Permanently installed pumps are used to pump acid solutions, hydroxides, salts in varying concentrations, strong acid mixtures, galvanising solutions, chemical waste fluids, chlorinated hydrocarbons, glycol ether, emulsions, sea water and hot spring water etc. from containers, tanks, pools, cisterns and pumping pits.

Three Series – One Concept



B80 HME Series

Centrifugal pump for dry-well installation featuring a bearing-less cantilever design with direct-coupled IEC motor. Specially designed for plant engineering and confined spaces.

| Flow rate: | up to 50 m ³ /h |
|--------------------|----------------------------|
| Pumping head: | up to 40 m |
| nstallation depth: | up to 450 mm |

B80 KME Series

Cost-effective, compact immersion centrifugal pump with plain bearing and directly-coupled IEC motor. Ideal for the low to medium performance segment.

Flow rate:up to 50 m³/hPumping head:up to 40 mInstallation depth:up to 1500 mm

Flow rate:up to 80 m³/hPumping head:up to 41 mInstallation depth:up to 4000 mm

B80 KGK Series

Powerful and robust immersion centrifugal pump with plain bearing, support stand mounted on roller bearings and IEC standard motor.

The KGK Series is designed for medium to high pump capacities under continuous operation.

up to 80 m³/h up to 41 m up to 4000 mm additional suction pipe extension up to 2000 mm

3

Lutz B80 HME Vertical Centrifugal Pump

Innovative specialists



Construction benefits

- Directly-coupled pump featuring an extremely compact design
- Bearing-less cantilever design, intermittent dry running capability
- Service-friendly dry-well installation beside the container
- \checkmark All parts coming into contact with the liquid are made of corrosion resistant plastics
- Abrasion resistant material combinations possible
- Two-piece motor mounting simplifies maintenance work on motor and coupling
- ✓ Vibration-free operation using self-centring guided drive element
- Short installation length of 275 or 450 mm

Applications

The extremely compact design and innovative service-friendly 2-part motor mounting combine to make the B80 HME Series ideal for installation in confined spaces. The pump featuring a bearing-less cantilever design is suitable for pumping and circulating neutral, corrosive and mechanically contaminated liquids in stationary installations in the chemical industry and in process engineering, in surface and electroplating engineering and in gas scrubbers. Due to the freely rotating bearing-less shaft and seals in the areas in contact with the medium, the pump is capable of intermittent dry running.

Dry-well installation

The B80 HME Series can be operated beside the container in a dry-well installation. Liquid flowing up inside the shaft guide tube returns to the container via an overflow line. Pumps in dry-well installations allow easier access to carry out maintenance and repair work.



| | | HME |
|-------------------------------|-------------------------|------------|
| Flow rate: | m³/h | 7 to 50 |
| Pumping head: | m | 11 to 40 |
| Temperature of pumped medium: | max. °C | 90 |
| Density: | max. kg/dm ³ | 1.8 |
| Immersion depths: | mm | 275 or 450 |
| Dynamic viscosity: | max. mPas | 75 |



Dry-well Installation Layout

Quick to assemble, easy to operate





Innovative construction in detail

Three-phase A.C. motor conforming to IEC standard

Special voltages and protection classes possible.

Interlocking coupling

8 Monoblock motor mounting

Combining the seating surface and joining element in a single unit suppresses vibrations in the motor and pump. Ideal for installation in confined spaces.

4 Static-dynamic vapour seal

An elastomer ring which works when dry and protects the drive elements and the area around the pump from escaping gases and vapours under static and dynamic conditions up to a pressure of 60 mbar.

6 Pump shaft

With corrosion-resistant shaft sleeve made of PE or PTFE.

Operation of the second sec

Made of chemical-resistant plastics and robust fibreglass or carbon fibre reinforced plastics.

Ø Suction and pressure connection

Available in either threaded or flanged version.

Application examples



Lutz B80 KME Vertical Centrifugal Pump

Compact and economical



Construction benefits

- Directly-coupled pump featuring an extremely compact design
- ✓ Various plain bearing versions
- Service-friendly and space-saving construction
- \checkmark All parts coming into contact with the liquid are made of corrosion resistant plastics
- Abrasion resistant material combinations possible
- Two-piece motor mounting simplifies maintenance work on motor and coupling
- Vibration-free operation using self-centring guided drive element
- ✓ Immersion depth from 600 to 1500 mm

Applications

The B80 KME Series was developed as a vertical centrifugal pump for wet-well installation in stationary applications in containers and pools.

The directly-coupled, friction bearing pump is suitable for pumping and circulating neutral and chemically aggressive fluids in the chemical industry and in process engineering, in galvanic and surface engineering, in washing systems and water treatment plants. It can also be used for sump drainage in industrial and municipal waste disposal plants or as a circulation pump in gas scrubbers and heat exchangers.

Plain bearing

The B80 KME series features an extremely compact design and the innovative 2-piece motor mounting allows for swift access to facilitate maintenance work on the motor and coupling. The pump shaft is completely coated with plastic that is resistant to the pumped medium and is guided behind the impeller by a chemical-resistant and wear-resistant plain bearing.



| | | КМЕ |
|-------------------------------|-------------|-------------|
| Flow rate: | m³/h | 7 to 50 |
| Pumping head: | m | 11 to 40 |
| Temperature of pumped medium: | max. °C | 90 |
| Density: | max. kg/dm³ | 1.8 |
| Immersion depths: | mm | 600 to 1500 |
| Dynamic viscosity: | max. mPas | 75 |

Wet-well Installation Layout

The Perfect Solution for Plant Engineering





Innovative construction in detail

Three-phase A.C. motor conforming to IEC standard

Special voltages and protection classes possible.

Interlocking coupling

8 Monoblock motor mounting

Combining the seating surface and joining element in a single unit suppresses vibrations in the motor and pump.

4 Static-dynamic vapour seal

Protects the drive elements and the area around the pump from escaping gases and vapours under static and dynamic conditions up to a pressure of 60 mbar.

6 Pump shaft

With corrosion-resistant shaft sleeve made of PE or PTFE.

6 Bearing bush housing with plain bearing

Optionally in PTFE/glass on ceramic (PTFE/Al₂O₃) for general applications or SiC/SiC for abrasive media, strong lyes and fluorides, etc.

Pump housing and impeller

Made of chemical-resistant plastics and robust fibreglass or carbon fibre reinforced plastics.

8 Filter (optional)

Foot strainer with 3 mm passages as an accessory.

Application examples



Lutz B80 HME-KME Vertical Centrifugal Pump



Materials

| Version | WR | FC |
|---|----------|----------|
| Pump housing | PP/GF | PVDF/CF |
| Impeller | PP/GF | PVDF/CF |
| Shaft sleeve | PP | PTFE |
| Shaft guide tube/lifting tube | PP | PVDF |
| Suction-/pressure connection | PP | PVDF |
| Bearer plate | PP | PP |
| Motor mounting | PP/GF | PP/GF |
| Seals | FKM/EPDM | FKM/EPDM |
| Bolts coming into contact with the liquid | PVDF | PVDF |

IEC standard motor

400V, 50-60 Hz, IP 55 and insulation class F available in the following versions:

- N (for max. density 1.1 kg/dm³)
- P (for max. density 1.35 kg/dm³)
- **S** (for max. density 1.8 kg/dm³)

2 Coupling and motor mounting

The interlocking coupling is radially and axially fixed in a self-centring position between the halves of the motor mounting.

The 2-piece monoblock motor mounting allows for swift and simple connection and separation of motor and pump during service and maintenance work.

Output Pump housing and impeller

available in two material variants

- WR: The material used is PP (polypropylene) offering resistance to a broad spectrum of chemicals. The pump hydraulics reinforced with fibreglass offers good mechanical strength and excellent thermal stability.
- FC: The material used is PVDF (polyvinylidene fluoride), which combines outstanding chemical resistance and excellent resistance to abrasion and mechanical loading. Reinforcing the pump hydraulics with carbon fibres ensures excellent dimensional accuracy and thermal stability without restricting its chemical resistance.

Immersion depth

| Series | |
|--------|---------------------------------|
| HME | 275 or 450 mm |
| KME | 600, 800, 1000, 1250 or 1500 mm |

Technical data





Performance curve with nominal speed at 50 Hz, 2900 rpm.

Temperature limits in °C, depending upon the immersion depth

| Version | HN | ΛE | | | | | | | | |
|------------------------------------|-----|----------|-----|-------|-----------|----|---------|--|--|--|
| Immersion depth in mm | 275 | 450 | 600 | 1000 | 1250 1500 | | | | | |
| Temperature of pumped medium in °C | | | | | | | | | | |
| WR | | 70 65 55 | | | | | | | | |
| FC | | 9 | 0 | | 85 | 75 | 65 | | | |
| Ambient temperature in °C | | | | | | | | | | |
| WR | | | 0 | to 40 | | | | | | |
| FC | | | -10 | to 40 | | | 0 to 40 | | | |

Motor versions and connections

| Size | | (|)4.0 | 8 | (|)6.0 | 8 | 06.10 | | | 10.10 | | | 10.15 | | 16.15 | | 16.20 | | 20.20 | | 0 | 20.25 | | 5 | 30.25 | | 5 | 30.30 | | 0 | | | | | | | | | | | | | | | | | | | |
|----------------------------|--------------------|---|---|------|------|---------|------|-------|--------|-----|-------|------------|-----|------------|------|------------|------------|--------|-----|------------|------|--------|--------|--------|-------|--------|------|--------|--------|--------|--------|--------|---|----------------|----|-------|-----------------|----|------------|----|----|------------|----|----|------------|----|----|------------|----|--|
| Motor versio | n | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | N | Ρ | 8 | | | | | | | | | | | | | | | | |
| Motor power (IEC) 50 Hz | kW | - | 0.37 | 0.55 | 0.37 | 0.55 | 0.75 | 0.55 | 0.75 | 1.1 | 0.75 | 1.1 | 1.5 | 1.1 | 1.5 | 2.2 | 1.5 | 2.2 | 3 | 2.2 | 3 | 4 | 3 | 4 | 5.5 | 4 | 5.5 | 7.5 | 5.5 | 7.5 | - | 7.5 | - | - | | | | | | | | | | | | | | | | |
| Density max. | kg/dm ³ | - | 1.35 | 1.8 | 1.1 | 1.35 | 1.8 | 1.1 | 1.35 | 1.8 | 1.1 | 1.35 | 1.8 | 1.1 | 1.35 | 1.6 | 1.1 | 1.35 | 1.8 | 1.1 | 1.35 | 1.8 | 1.8 | 1.35 | 1.8 | 1.1 | 1.35 | 1.8 | 1.1 | 1.35 | - | 1.1 | - | - | | | | | | | | | | | | | | | | |
| Inlet | BSP | 1 | G 1 C |)T | G | 1 1/4 | 0T | G 1 | 1/4 (| ЭТ | G 1 | G 1 1/2 OT | | G 1 1/2 OT | | 0T | G 1 1/2 OT | | 0T | G 1 1/2 OT | | OT | G 2 0T | | Γ | G 2 0T | | T | G 2 OT | | G 2 0T | | | | | | | | | | | | | | | | | | | |
| | ISO (DN) | | 25 | | | 32 | | | 32 | | | 40 | | 40 | | 40 | | 40 | | | 40 | | 50 | | | 50 | | | 50 | | | 50 | | | | | | | | | | | | | | | | | | |
| Outlet HME | BSP | 1 | G 1 C |)T | G | 1 1/4 | 0T | G 1 | 1/4 (| ЭТ | G 1 | G 1 1/4 OT | | G 1 1/4 OT | | G 1 1/4 OT | | G 1 | 1/4 | 0T | G | 1 1/4 | 0T | G | 1 1/4 | OT | G 1 | 1/2 | 0T | G | 1 1/2 | 0T | G | 1 1/2 | 0T | G | 1 1/2 | 0T | | | | | | | | | | | | |
| | ISO (DN) | | 25 | | | 32 | | | 32 | | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | 32 | | | 32 | | | 32 | | | 32 | | | 40 | | | 40 | | | 40 | | | 40 | |
| Outlet KME | BSP | G | i 3/4 | 0T | G | i 3/4 (|)T | (| G 1 0T | - | G | G 1 0T | | G 1 OT | | G 1 0T | | G 1 0T | | G 1 0T | | G 1 0T | | G 1 0T | | G 1 0T | | G 1 0T | | G 1 OT | | G 1 0T | | G 1 OT G 1 1/4 | | 1 1/4 | 4 OT G 1 1/4 OT | | G 1 1/2 OT | | 0T | G 1 1/2 OT | | 0T | G 1 1/2 OT | | 0T | G 1 1/2 OT | | |
| | ISO (DN) | | 20 | | | 20 | | | 25 | | 25 | | | 25 | | | 32 | | | 32 | | | 40 | | | 40 | | | 40 | | | 40 | | | | | | | | | | | | | | | | | | |
| Motor | | | 3 phases 400 V / 50 Hz / IP 55 (1 phase 230 V / 50 Hz < 3 kW) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

OT = Outer thread

Lutz B80 KGK G1/G2 Vertical Centrifugal Pump

Durable in service



Construction benefits

- ✓ Various plain bearing versions
- External flushing of plain bearing (optional)
- All parts coming into contact with the liquid are made of corrosion resistant plastics
- Abrasion resistant material combinations possible
- Roller bearings protected from corrosive vapours and gases
- Vibration-free operation
- Long service life and high level of operational safety
- Immersion depth up to 4000 mm and additional suction pipe extension up to 2000 mm

Construction

The B80 vertical centrifugal pumps have an immersion depth between 500 and 4000 mm in steps of 250 mm. The pump is equipped with a single-stage spiral housing with a closed or open impeller.

The medium is pumped out of the container via the pump outlet and the vertical lifting tube. The downward-facing axial inlet to the pump is equipped with a filter as standard.

| Туре | G1 | G2 |
|---------------------|-------------------|----|
| C25/100 | • | |
| C25/120 | • | |
| C32/120 | • | |
| C32/140 | | |
| C32/160 | | |
| A40/100 | | |
| A40/120 | | |
| C40/140 | | |
| C40/160 | | • |
| A50/100 | | |
| A50/120 | | • |
| A50/140 | | ٠ |
| C = closed impeller | A = open impeller | |

The KGK Series is designed for applications with continuous operation. The cast iron bearing housings hold the shaft and compensate for all radial and axial forces.

A torsionally elastic, interlocking coupling is used to transmit power between the motor and the pump.

The pump motor uses generously dimensioned axial and radial roller bearings with lifetime grease lubrication.

| = closed impeller | A = open impelle |
|-------------------|------------------|
|-------------------|------------------|

| | | KGK G1 | KGK G2 |
|-------------------------------|-------------------------|-------------|-------------|
| Flow rate: | m³/h | 18 to 30 | 24 to 80 |
| Pumping head: | m | 13 to 27.5 | 22 to 41 |
| Temperature of pumped medium: | max. °C | 90 | 90 |
| Density: | max. kg/dm ³ | 2 | 2 |
| Immersion depths: | mm | 500 to 4000 | 500 to 4000 |
| Suction pipe extension: | mm | up to 2000 | up to 2000 |
| Dynamic viscosity: | max. mPas | 75 | 75 |

Bearing assembly

Robust and versatile





Flexible coupling

allows swift disassembly of the coupling and drive motor. Excellent dimensional accuracy and close radial tolerances ensure vibration-free operation.

2 Vapour seal

protects the drive elements and the area around the pump under static and dynamic conditions from escaping gases and vapours.

8 Shaft guide tube/lifting tube

made of chemically resistant plastics. For the "G" version, with additional GRP reinforcement (vinylester-reinforced fibreglass).

4 Pump shaft

with corrosion-resistant shaft sleeve made of PE or PTFE.

Bearing bush housing with plain bearing

Simple replacement of the plain bearing

6 Casing connection via central ring nut No housing screws in the area of the pump that comes into contact with the medium, exact positioning of the pump housing with respect to the discharge manifold.

Pump housing and impeller made of chemical-resistant plastics and robust fibreglass or carbon fibre reinforced plastics.

8 Filter

Foot strainer as standard, with 3 mm passages.

External flushing pipe (optional) for external flushing of the guide bushes when pumping fluids containing solids.

Application examples



B80 KGK G1/G2 Lutz Vertical Centrifugal Pump

Conserves the environment and your budget



Supply connection for the "liquid barrier"

Vapour seal

To contain the vapours and gases which arise inside the pump, a dry vapour seal that works both in static and dynamic conditions is fitted at the height of the bearer plate in the standard version. In addition to the standard lip seals which work dry, a mixed seal is also available which has a dynamic deflector ring that works efficiently up to a pressure of about 100 mbar.

The innovative "liquid barrier" system can be supplied with compressed air or liquid via a rapid-action coupling. The laminar spread of the compressed air builds up a counter-pressure, completely blocking poisonous vapours and gases so these can neither reach the mechanical parts nor escape to the outside, thus protecting the environment.

Vapour seal versions

VR - static-dynamic (standard):

An elastomer ring which works when dry and is guaranteed not to leak up to a pressure of around 60 mbar under both static and dynamic conditions.

VL - (optional) in combination with the standard version:

Using a dynamic deflector ring, an increased pressure of up to approx. 100 mbar is permitted.

VF - Liquid barrier (optional):

Externally supplied low pressure flow of air or liquid, which spreads in a laminar fashion and which presents an effective barrier to gases and vapours (max. 200 mbar).



Guide system for the pump shaft

The pump shaft is completely coated with plastic that is resistant to the pumped medium. The shaft is guided at the top by a roller bearing and then along its length by plain bearings. For immersion depths up to 2000 mm, a single lower guide after the impeller is sufficient. For deeper immersion depths, an additional intermediate guide is installed.

Bearing assembly

Plain bearings made of PTFE/glass on ceramic (PTFE/Al₂ 0_3) for general applications or SiC/SiC for abrasive media can be specified as options.

The plain bearings are lubricated by the pumped medium or can be supplied with an external medium as an option.



Materials

The materials in direct contact with the liquid have a high chemical resistance. The WR, FC and WF versions are made of thermoplastic polymer materials or clad with GRP (vinylester-reinforced fibreglass).

To make the correct selection from these materials, the chemical composition of the liquid, its concentration and temperature must be checked to thus enable reliable operation.

WR - WRG

The material used is PP (polypropylene) with resistance to a broad spectrum of chemicals. The hydraulics of the pump is reinforced with fibreglass and offers good mechanical strength and excellent dimensional accuracy.

FC - FCG

The material used is PVDF (polyvinylidene fluoride): A fluoroplastic with good resistance to abrasion and high mechanical strength. Reinforcing the pump hydraulics with carbon fibres increases its strength and accuracy of its dimensions without restricting its resistance to chemicals.

WF - WFG

The material used is PP (polypropylene, partially reinforced with fibreglass). The impeller is made of PVDF, which increases its resistance to wear and abrasion.

Exceptionally robust construction for version "G"

For the "G" version, the immersed shaft guide tube and the rising tube are coated with GRP (vinyl-ester-reinforced fibreglass). This increases the strength and limits longitudinal expansion.

Motors

IEC standardised motors

400 V, 50 Hz, IP 55, insulation class F

Efficiency level IE 2 (\geq 0.75 kW) in accordance with Directive 2005/32/EC

Possible immersion depths

| Variants | |
|---------------|----------------|
| WR, WF, FC | 500 to 3000 mm |
| WRG, WFG, FCG | 500 to 4000 mm |

Materials

| Version | WR | WF | FC | WRG | WFG | FCG | | | | | | | | |
|-------------------------------|-------|------------------|----------|--------|---------|----------|--|--|--|--|--|--|--|--|
| Pump housing | PP/GF | PP/GF | PVDF/CF | PP/GF | PP/GF | PVDF/CF | | | | | | | | |
| Impeller | PP/GF | PVDF/CF | PVDF/CF | PP/GF | PVDF/CF | PVDF/CF | | | | | | | | |
| Shaft sleeve | PE | PE | PTFE | PE | PE | PTFE | | | | | | | | |
| Bearer plate | PP | PP | PP | PP | PP | PP | | | | | | | | |
| Shaft guide tube/lifting tube | PP | PP | PVDF | PP/GFK | PP/GFK | PVDF/GFK | | | | | | | | |
| Outlet connection | PP | PP PP PVDF PP PV | | | | | | | | | | | | |
| Bearing housing | | | Cast | iron | | | | | | | | | | |
| Seals | | | FKM/EPDM | | | | | | | | | | | |

Temperature of the pumped medium in °C, depending upon the immersion depth.

| Version | WR | WF | FC | WRG | WFG | FCG |
|---------|----|----|----|-----|-----|-----|
| 500 | 70 | 70 | 90 | 70 | 75 | 80 |
| 750 | 70 | 70 | 90 | 70 | 75 | 80 |
| 1000 | 65 | 65 | 85 | 70 | 75 | 80 |
| 1250 | 55 | 55 | 75 | 70 | 75 | 80 |
| 1500 | 50 | 50 | 65 | 70 | 75 | 80 |
| 1750 | 45 | 45 | 60 | 70 | 75 | 80 |
| 2000 | 40 | 40 | 55 | 70 | 75 | 80 |
| 2500 | 35 | 35 | 45 | 70 | 75 | 80 |
| 3000 | 30 | 30 | 40 | 70 | 75 | 80 |
| 4000 | - | - | - | 70 | 75 | 80 |

B80 KGK G1/G2 Lutz Vertical Centrifugal Pump Technical data



Performance curve with nominal speed at 50 Hz, 2900 rpm.

Performance curve with nominal speed at 50 Hz, 1450 rpm.





G1 G2

Additional Products

Lutz B80 KGK Vertical Centrifugal Pump G3 Series

The B80 KGK vertical centrifugal pump is designed for industrial applications under continuous operation and high flow rates. Depending on the application and the required performance, either a single-stage spiral housing with an open or closed impeller or a two-stage version featuring two impellers arranged behind one another are used.

- Efficient and space-saving construction using single or two-stage pump hydraulics
- ✓ All parts coming into contact with the liquid are made of corrosion-resistant plastics
- ✓ High flow rate thanks to optimized pump hydraulics
- Long service life and high level of operational safety

Flow rate:up to 270 m³/hPumping head:up to 85 mImmersion depth:500 to 4000 mm

New: 2-stage pump hydraulics









TMB Series

AM Series



TMR G2 / TMR G3 Series

Ideally designed for pumping:

Acids, lyes, mixtures of acids and lyes, solvents, alkali degreasing baths, galvanic baths, photochemicals as well as radioactive, sterile, valuable or highly corrosive liquids and many other media.

Lutz horizontal centrifugal pumps In plastic design with magnetic coupling

This extensive range is designed for installation in small systems right up to demanding pumping jobs. These pumps are very popular because of their contact-less, magnetic transmission of power. They are thus hermetically sealed and leak free.

- Powerful and efficient due to optimised hydraulics
- Long service life through the use of high quality materials
- Easy maintenance due to low number of parts

Flow rate: up to 48 m³/h Pumping head: up to 42 m

Versions which comply with the Atex Directive 94/9/EC for use in potentially explosive areas are available.



Lutz offers the optimum solution for professional Fluid Management



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