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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

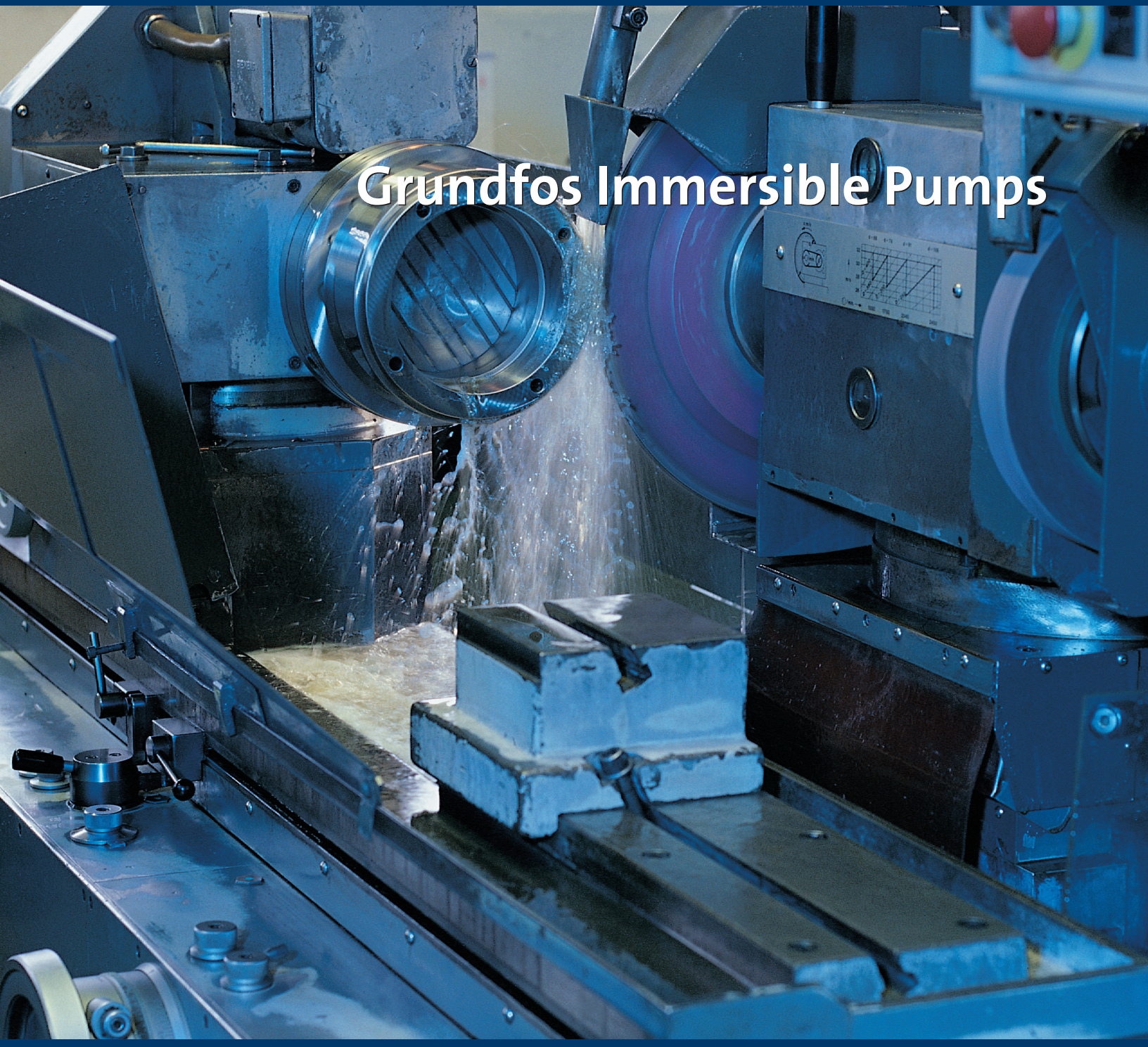
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Find the *Grundfos SPK4-3/1 U-W-A-AUUV* at our website: *Click HERE*

GRUNDFOS **INDUSTRY**

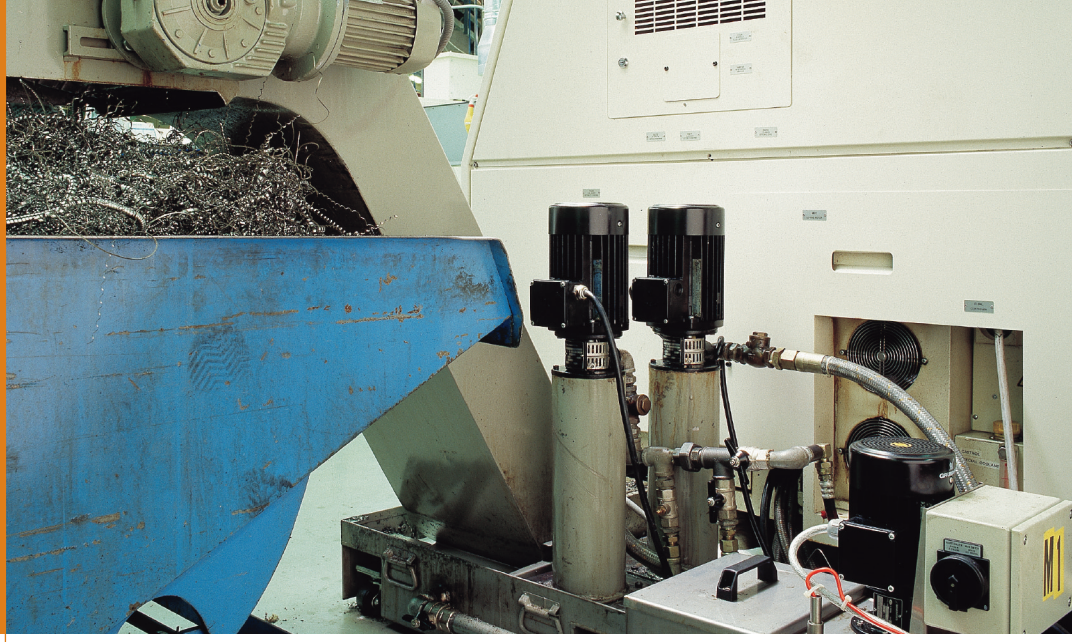


Grundfos Immersible Pumps

BE › THINK › INNOVATE ›

GRUNDFOS

Grundfos immersible pumps – a complete and versatile range



Variants available

Bearings
- Bronze
- Ceramic
- Composite (Graflon)

Extensions
- Various installations depths

Shaft seals
- Tungsten carbide/Tungsten carbide
- Carbon/Tungsten carbide
- Silicon carbide/silicon carbide
- EPDM, FKM (Viton), Kalrez

Universal flange connctions
- DIN
- JEM
- ANSI
- JIS

Plug connector (Harting)

Motor
- Explosion proof
- Different voltages
- 60Hz or 50Hz
- MLE motor
- Customized variants

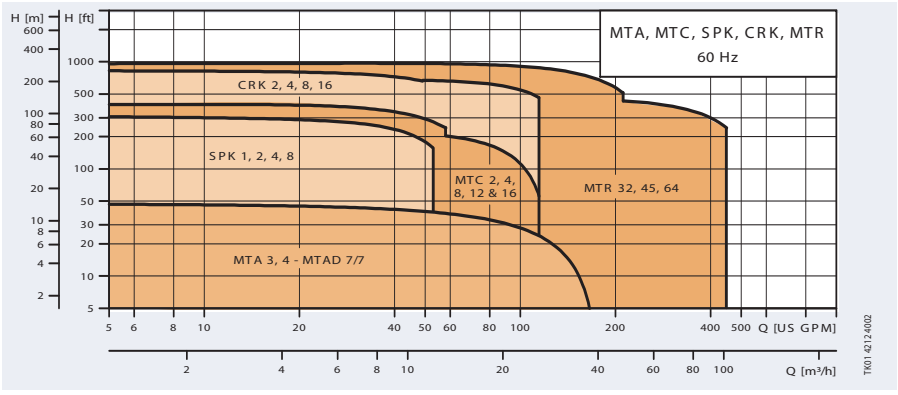
Pump Type	Washing	Boring	Sawing	Milling	Grinding	EDM	Turning	Circulation	Cooling
MTA	•	•	•	•	•	•			•
MTC	•	(•)		•	•	•	•	•	•
CRK & MTR	•	(•)		•	•	•	•	•	•
SPK	•	(•)		•	•	•	•	(•)	•

Suitable for a variety of industrial applications

The Grundfos range of immersible pumps are suitable for a variety of industrial applications as indicated in the table.

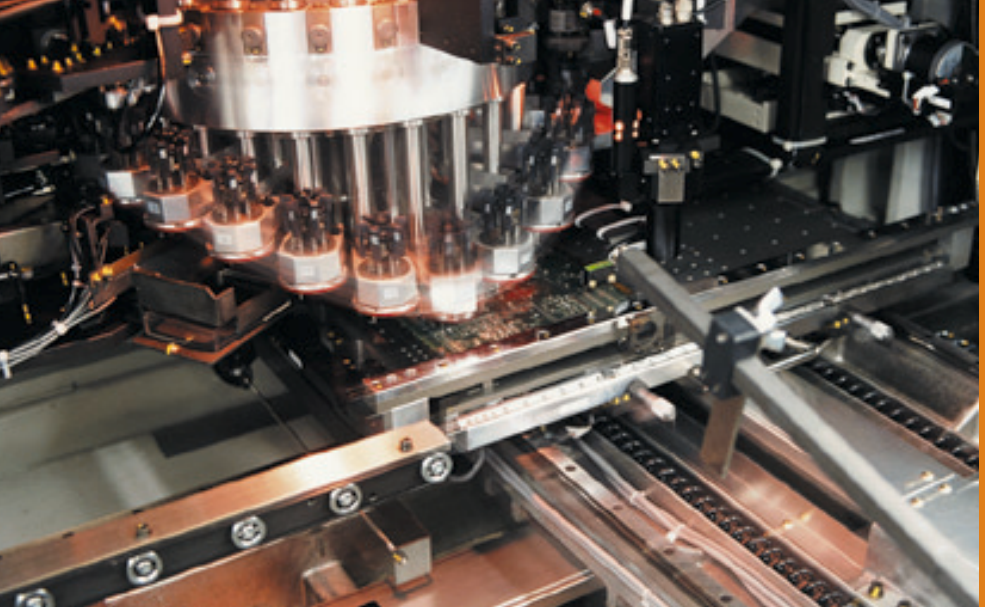
As standard the pumps are built for specific installation depths; however, by adding empty chambers most of the models can be tailored to suit practically any depth required.

State-of-the-art hydraulics with efficiency up to 80%



Grundfos immersible pumps offer state-of-the-art hydraulics. Capacities range from 0.5 gpm to 450 gpm with maximum heads of up to 970 feet.
The efficiency of some of the models exceeds 80% – a figure unmatched by any other pump manufacturer.

The figure shows the performance range of the Grundfos Immersible Pumps Series MTA/MTAD, MTC, CRK/MTR and SPK.



Purpose designed for machine tool coolants and condensate transfer

The Grundfos range of immersible pumps consisting of MTA/MTAD, MTC, CRK/MTR and SPK series, is specially designed for circulation of coolants and lubricants for machine tools, transfer of condensate, and other specific purposes where an immersible pump is advantageous – such as washing systems and component cleaning equipment.

Each pump model has its own unique characteristics; however, for special requirements customized pumps can be provided. Customization includes such features as MLE motors and special voltages, shaft seals, connections and pump lengths.

Grundfos immersible pumps are easy to install and service, and no special tools are required. The standard range includes four series of models of high-performance centrifugal pumps, capable of delivering from 0.5 to 450 gpm and heads up to 970 feet.

Worldwide Service

Grundfos offers an efficient worldwide service network through subsidiaries and agents in more than 50 countries on five continents. Experienced service technicians and all necessary spare parts can be made available at short notice practically anywhere, regardless of where a pump may finally be installed.

Grundfos pumps offer unique features

- State-of-the-art hydraulics with efficiency of up to 80% in some models.
- High efficiency provides considerable savings on energy consumption and, thus, on the long term running costs of the pumps.
- Additional energy savings and improved operation characteristics can be obtained by the use of MLE motors for automatic pressure control.
- Designed for reliable, trouble-free operation under the most demanding circumstances that industrial applications entail.
- All models are available for 60Hz as well as 50Hz.



MTA series – a whole new concept

The Grundfos MTA series represents a whole new concept in low pressure immersible pumps.
The MTA pumps have an "open" stainless steel impeller, which allows for pumping of moderate amounts of solids and fibers as well as high-viscosity liquids. The use of stainless steel makes the pumps very corrosion-resistant.

The bearing system in the MTA models is a graphite/composite combination, which allows for dry running. The system also serves to balance the shaft. The tank flange on the MTA pumps fits both DIN and JEM standards. The pumps are fitted with a diverting disc, which effectively prevents the pumped liquid from entering the motor.

MTAD – two pumps in one

The Grundfos MTAD pump is a two-chamber version of an MTA pump – in reality two pumps in one.

The two-chamber principle provides unique possibilities for hydraulic combinations and flexibility, and it makes the MTAD a space saving and highly price competitive alternative to a two-pump solution.



Grundfos Immersible Pumps
MTA 3 & 4 and MTAD
Capacity: from 2.2 to 46 gpm (MTA)
8 to 80/160 gpm (MTAD)
Max. head: 47 feet



Grundfos Immersible Pumps
MTC 2, 4, 8, 12, 16
Capacity: from 1.2 to 114 gpm
Max. head: 405 feet

MTC series – compact and space saving

The Grundfos MTC immersible pump series is the correct choice when emphasis is on compactness and high performance. Motor and pump form an integral, compact unit consisting of only a few components.

The standard models can be customized to suit individual requirements according to specifications.

CRK series – state-of-the-art hydraulics

Grundfos CRK models are suitable for applications in the medium flow range, and the pumps are designed for long periods of trouble-free operation. The CRK 2 and 4 models can be supplied with additional empty chambers making installation depths of up to 39 5/8 inches possible.

A special priming screw protects against dry running. However, the CRK pumps can withstand short periods of dry running.

As standard the CRK pumps are available in a stainless steel version with pump parts made of high-grade stainless steel. These models are designated CRKI.

MTR series – innovative pump technology

The MTR series completes the Grundfos immersible pump program in the high flow range.

The MTR models are "heavy-duty" pumps that offer a unique hydraulic design and a performance range unequalled by any other pump manufacturer in this field. Cartridge shaft seal and a universal flange system are other special features offered by the MTR pump. Thus, the MTR pumps not only perform better, they save on energy consumption and cut long-term operating costs.



Grundfos Immersible Pumps
CRK 2, 4, 8, & 16 – MTR 32, 45 & 64
Capacity: from 1.2 to 115 gpm (CRK) and 14 to 450 gpm (MTR)
Max. head: 825 feet (CRK)
970 feet (MTR)

SPK series – flexible solution for medium flow rates

The Grundfos SPK series of immersible pumps is designed for the low to medium flow range. The steep performance curve offered by the SPK models makes these pumps particularly suitable for applications requiring a uniform flow at varying pressures.

The SPK pumps are very flexible with regard to installation depth as empty, extra chambers can be added. In addition, the pumps can be fitted with an extension pipe providing installation depths of up to 39 5/8 inches

A special priming screw protects against dry running. However, SPK pumps are capable of withstanding short periods of dry running.

The SPK pumps are available in a stainless steel version, designated SPKI. All pump parts are made of high-grade stainless steel.



Grundfos Immersible Pumps
SPK 1, 2, 4, & 8
Capacity: from 0.5 to 55 gpm
Max head: 330 feet

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Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

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We buy equipment

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