

**Reliable, flexible, KSB.  
The new Movitec VCI high-pressure immersion pump.**







## Proven technology – new applications. Movitec VCI.

High-pressure pumps have been a specialty of KSB's for years. The benefits of experience, proven quality and excellent service have now been extended to new applications by introducing the new Movitec VCI.

Movitec VCI unites the advantages of submersible pumps with those of dry-installed high-pressure pump sets. It offers you a compact and cost-efficient solution for transporting machine tool coolants and lubricants with flow rates of up to 27 m<sup>3</sup>/h and heads of up to 250 m.

Movitec VCI is very versatile and can be optimally adjusted to each specific application. Precision engineering and proven KSB technology make this pump a highly reliable solution with a long service life. The new Movitec VCI features a high-performance hydraulic system whose outstanding hydraulic efficiencies are a major contribution towards the pump set's energy efficiency.

### Movitec VCI and its many uses:

- Circulation of cooling lubricants
- In machine tool processes with various cooling lubricants
- Fluid transport systems
- Recirculation in filter systems
- Condensate recirculation applications
- In industrial washing and cleaning processes with various cleaning agents
- Tank drainage
- General pressure boosting in process engineering



### **Great flexibility and variety.**

- Five different sizes offering the right solution for the required flow rate
- Interchanging competitor products with Movitec VCI is straightforward as they are of comparable main dimensions
- Blind stages enable flexible immersion depths
- Large range of seal materials for the most diverse of applications

### **Maximum operating reliability.**

- High precision to highest manufacturing standards
- Large selection of resistant high-grade materials
- Compact cartridge mechanical seal, quick and easy to replace
- Motor stool with automatic return of small amounts of leakage to the tank prevents leakage of the fluid handled
- Suction casing/strainer with a mesh size of 3 mm prevents ingress of solids contained in the fluid into the hydraulic system of the pump

## Movitec VCI – convincing facts.

### Optimised energy efficiency.

- Flow-optimised hydraulic system results in excellent efficiencies
- Standardised high-efficiency IEC motors
- An energy-saving pump solution with low life cycle costs



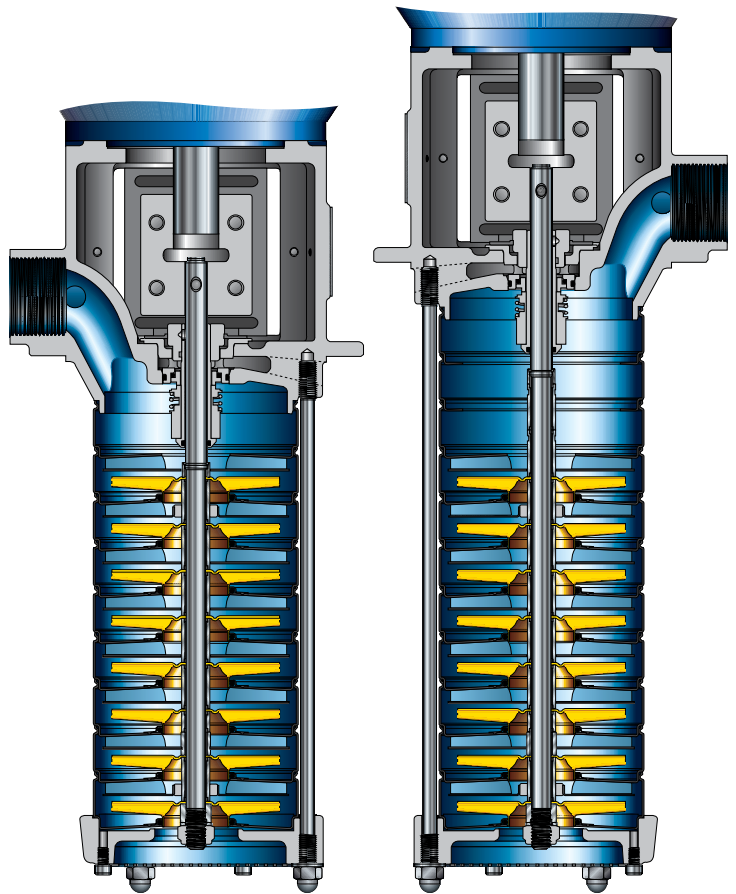
## Movitec VCI – details matter.

Wherever fluids have to be pumped from a tank at a constant high pressure, Movitec VCI is in its element. Opt for an immersion pump of reliable KSB quality, excellent service and a high-performance hydraulic system which has proven successful in thousands of Movitec pumps.

Movitec VCI is a particularly compact pump solution. Space requirements are minimal as the hydraulic system is immersed in the fluid to be pumped. It is perfectly positioned in the tank to ensure that the fluid is optimally circulated and drawn into the pump.



With Movitec VCI it's the details that matter. Thanks to the choice of different pump sizes and the option of fitting blind stages the pump set can be optimally adjusted to the tank height and is suitable for immersion depths of up to 840 mm.



Movitec VCI

Movitec VCI  
with blindstage

## Technical data\*

Sizes	2 / 4 / 6	10 / 15
Flow rate	Up to 9 m <sup>3</sup> /h	Up to 27 m <sup>3</sup> /h
Head	Up to 250 m	Up to 245 m
Discharge-side mating dimension	Pipe connection G 2 internal thread	Pipe connection G 2 internal thread
Maximum immersion depth	840 mm	555 mm
Pressure class	PN 25	PN 25
Fluid temperature	-10 to +90 °C	-10 to +90 °C
* (50 Hz)		

## Materials

Hydraulic system	Stainless steel 1.4301
Motor stool and suction casing	Grey cast iron JL1040 with cataphoretic coating

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