

## Movitec – High-pressure In-line Pump



### Applications:

- Industry
- Building services
- Chemical industry
- Heat and steam generation
- Food industry
- Cooling water supply
- General irrigation and spray irrigation
- Water treatment
- Pharmaceutical industry
- Washing plants
- Marine applications
- Fire fighting and sprinkler systems
- Pressure boosting
- Low-NPSH applications:
  - Boiler feed applications (hot water)
  - Condensate lifting
  - Pumping from low-lying reservoirs/tanks

### More information:

[www.ksb.com/products](http://www.ksb.com/products)

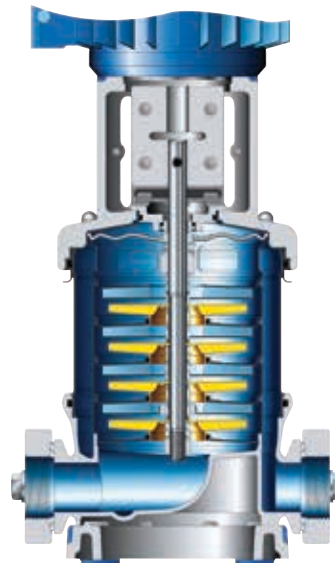
# Movitec – High-pressure In-line Pump

- Energy-efficient**
  - Higher efficiencies
  - Very low NPSH values
  - Maximum energy efficiency at full transparency of pump operation with PumpDrive
- Flexible**
  - Large variety of materials and connections as well as extended temperature and pressure range
  - Hydraulic systems with specially designed low-NPSH impellers available for critical applications
- Reliable**

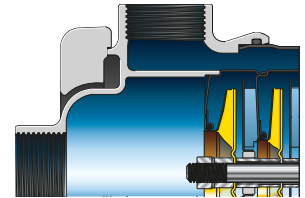
Product-lubricated plain bearings of tungsten carbide, cast pump foot, torsion-resistant pump shroud and confined O-rings
- Easy to service**
  - Can be fitted with any standardised mechanical seal (to EN 12756)
  - Can be fitted with Easy Access and cartridge seals allowing quick replacement
- Long service life**

Corrosion-resistant hydraulic components made of stainless steel
- Ground-breaking features for saving energy**

Equipped with PumpDrive for variable-speed operation. Efficiency level IE5\* in combination with the KSB SuPremE® motor.



To 94/9/EC (ATEX 100a)



Movitec hydraulic system for low-NPSH applications: same height as standard version, for easy interchangeability.

## Technical data

Movitec	VC, V, VS
Max. flow rate in m <sup>3</sup> /h	192
Max. head in m	255
Max. pressure class PN	40
Fluid temperature in °C	-20 to +140
NPSH in m	≥ 0.4

Max. data for 60 Hz operation  
Min. NPSH data for low-NPSH impeller (available for sizes 2, 4, 6, 10 & 15 only)



Round flange Movitec VF



Round flange Movitec VSF



Round flange Movitec VCF



External thread connector Movitec VE



Oval flange Movitec V



Oval flange Movitec VS



Victaulic coupling Movitec V(S)V



Triclamp coupling Movitec V(S)T

	Materials ● Standard (pre-configured model) ○ Optional – Not available		Sizes		
			2/4/6/10/15/25/40/60/90/125	VC	V
Baseplate	Grey cast iron <sup>1)</sup>	JS1030/JL1040	–	●	●
	Cast stainless steel	1.4308	–	○	○
Pump casing	Grey cast iron <sup>2)</sup>	JL1040	●	–	–
	Cast stainless steel	1.4308	–	●	–
	Cast stainless steel	1.4408	–	–	●
Hydraulic system	Stainless steel	1.4301	●	●	–
	Stainless steel	1.4404	–	–	●
	Cast stainless steel <sup>3)</sup>	1.4308	●	●	–
	Cast stainless steel <sup>3)</sup>	1.4408	–	–	●

<sup>1)</sup>Powder-coated / JS 1030 or JL 1040, depending on strength required <sup>2)</sup>With cataphoretic coating <sup>3)</sup>Size 90 and 125 only  
\* IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW; IE5 in preparation)



KSB SE & Co. KGaA  
Johann-Klein-Straße 9  
67227 Frankenthal (Germany)  
www.ksb.com