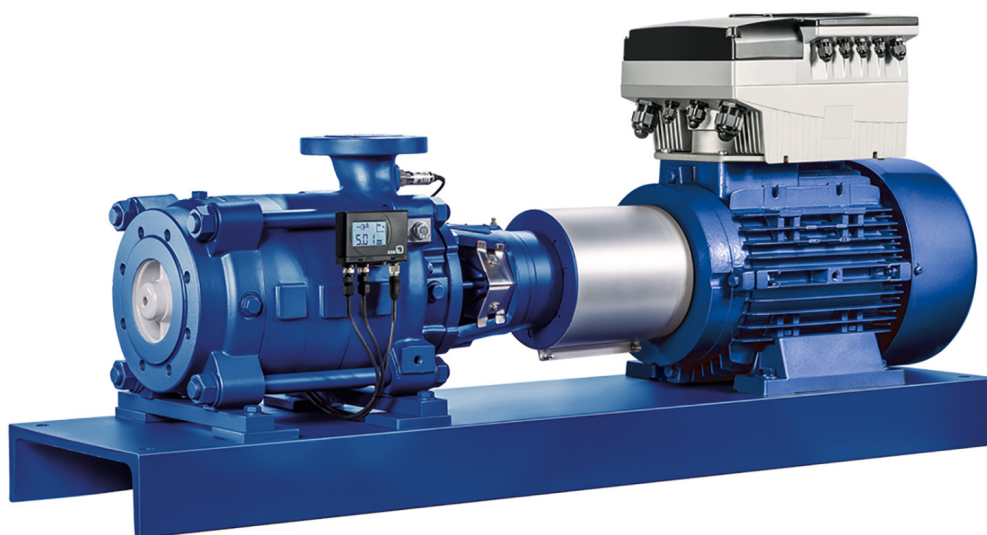


Multitec

Centrifugal Pump



- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Water supply systems • Drinking water supply • Pressure boosting • General irrigation systems • Fossil-fuelled power stations | <ul style="list-style-type: none"> • Hot-water supply • Condensate transport • Boiler feed applications • Heating systems • Filtering systems | <ul style="list-style-type: none"> • Fire-fighting systems • Snow-making systems • Washing plants • Industrial plants • Desalination plants |
|---|--|--|

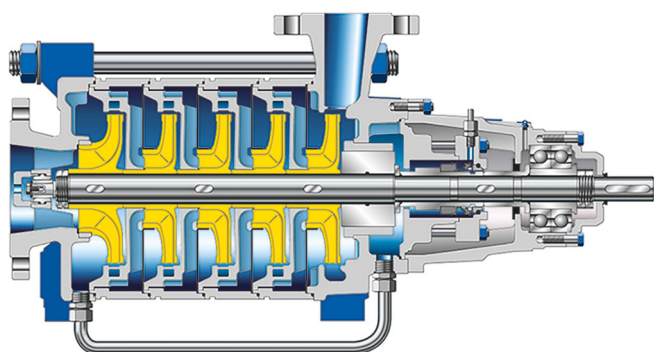


Intelligent monitoring by
KSB Guard

More information
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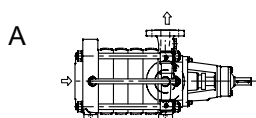
Multitec – Centrifugal Pump



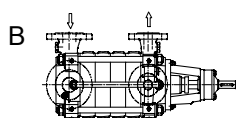
Operating data

Characteristic	Value	
Size	DN	32 - 250
Flow rate	Q [m³/h]	≤ 1500
	Q [l/s]	≤ 417
Head	H [m]	≤ 1000 ¹⁾
Fluid temperature	T [°C]	≥ -10
		≤ +200 ¹⁾
Operating pressure	p ₂ [bar] ²⁾	≤ 100 ¹⁾

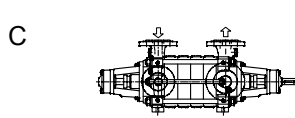
Designs



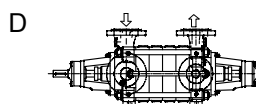
Horizontal long-coupled design with axial inlet and plain bearing



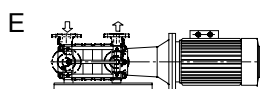
Horizontal long-coupled design with radial inlet and plain bearing



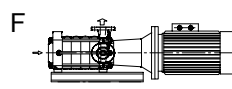
Horizontal long-coupled design with radial nozzles, rolling element bearings at both ends, and drive on the discharge side



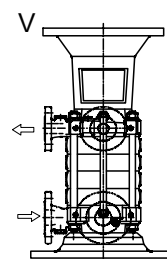
Horizontal long-coupled design with radial nozzles, rolling element bearings at both ends, and drive on the suction side



Horizontal close-coupled pump with radial inlet



Horizontal close-coupled pump with axial inlet



Vertical close-coupled pump set

Benefits

■ Versatile and flexible pump

- Variable nozzle positions enable optimal adaptation to site conditions.
- A large choice of designs, materials, and shaft seals is available to meet all customer requirements.

■ High operating reliability

- The suction impeller is specially designed for good performance and smooth running even under poor suction conditions and/or for handling fluids with a low vapour pressure.
- The plain bearing made of silicon carbide is wear-resistant and self-aligning.
- Axial thrust balancing is achieved by a balancing drum to ensure a long service life of the pump.

■ Low operating costs

- Optimised hydraulic system and impellers trimmed to the duty point as standard ensure high system efficiency.
- The KSB SuPremE motor, PumpMeter, and PumpDrive 2 or PumpDrive R variable speed systems ensure optimal efficiency of the complete pump set and automatic adjustment to current demand, enabling significant energy savings.

■ Service-friendly design, low spare parts costs

- The bearing and shaft seal can be dismantled without removing any hydraulic pump components, thanks to a separate seal chamber and separate bearing housing as well as shaft protection sleeves.
- Some pump models are designed with a discharge-side seal only, which reduces the costs for purchasing and storing spare parts.

Materials

Component	Material
Pump casing	Grey cast iron/nodular cast iron ³⁾ /cast steel/stainless steel/duplex/super duplex
Impeller	Grey cast iron/bronze/stainless steel/duplex/super duplex
Diffuser	Grey cast iron/bronze/stainless steel/duplex/super duplex
Shaft	Cast steel/stainless steel/duplex/ super duplex

Other features

- Flanges drilled to EN or ASME
- Direct drive by electric motor

1 Only for individual sizes/designs

2 The sum of inlet pressure and shut-off head must not exceed the value indicated.

3 Only for sizes 200 and 250