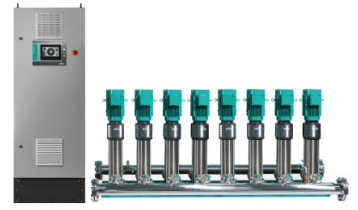




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Product range

MHiKE D Series

Booster pumps with inverter

Helix V

Vertical, multistage centrifugal pumps

HiBoost Series

Multi-pump pressure boosting systems

Application

- Water supply and pressure boosting (Big capacity, high-rise/low water pressure)
- Sprinkler systems

- Water supply and pressure boosting
- Process water
- Cooling water circulation systems
- Washing systems
- Irrigation

- Direct water supply, with frequent pressure fluctuation
- Buildings with large engine room and limited personnel
- Sites with many different operation points
- Inverter: single/multiple/combination

Special Features

- Energy saving by integrated inverter
- Various operation mode
- Pump load distribution
- Customer optimized system setting: speed and pressure
- Easy operation by display screen
- High durability by stainless steel pump
- Operation by skipping the faulty pump
- Friction loss compensation function

- Efficiency-optimised, laser-welded 2D/3D hydraulics, flow and degassing optimised
- Corrosion-resistant impellers, guide vane apparatuses and stage housings
- Flow and NPSH-optimised pump housing
- Maintenance-friendly design.
- WRAS/KTW/ACS approval for all parts that come in contact with the fluid.

- Energy efficient and low noise
- Excellent control and protection functions
- Stable supply system due to quick adjustment for condition change
- Easy and simple system control and monitoring
- No. of pumps : up to 8 pumps.

Volume flow Q max.

50 m³/hr

80 m³/hr

1360 m³/hr

Delivery head H max.

80 m

280 m

290 m

Technical data

- Fluid temperature -15 ~ +80 °C
- Max. operating pressure 16/25 bar
- Max. inlet pressure 10 bar
- Protection class IPx4
- Motor power: 1.5 kW x 2ea, 1.85 kW x 2ea, 2.2 kW x 3ea, 2.5 kW x 3ea
- Dis. sizes: 50 ~ 65 mm
- Tank : 4 ℓ

- Fluid temperature -30 ~ +120 °C
- Max. operating pressure 16/25 bar
- Max. inlet pressure 10 bar
- Protection class IP55
- Motor power: 1.55 kW ~ 45 kW
- Dis. sizes: 25 ~ 80 mm

- Fluid temperature 70 °C
- Max. operating pressure 10/25/30 bar
- Max. inlet pressure 10 bar
- Protection class IP54 or IP55
- Motor power: 0.55 kW~45 kW
- Dis. sizes: 25 ~ 100 mm
- Tank : 100 - 450 ℓ



Product range

SCP Series

Axially split case pumps

NL Series

End suction pumps

MISO/PISO Series

End suction pumps

Application

- Pumping of heating water in accordance with VDI 2035, water-glycol mixtures, cooling/ cold water and process water
- Municipal water supply, irrigation, building services, general industry, power stations, etc.

- Pumping of heating water, cold water and water-glycol mixtures without abrasive substances supply and pressure boosting
- Applications in municipal water supply, irrigation, general industry, power stations etc.

- Chemical and process
- Water supply/HVAC
- Irrigation and sprinkling systems
- Fire fighting/jockey pump
- General industry

Special Features

- Energy saving by integrated inverter
- Various operation mode
- Various operation mode
- Customer optimized system setting: speed and pressure
- Easy operation by display screen
- High durability by stainless steel pump

- Reduced life-cycle costs through optimised efficiency levels
- Bidirectional, force-flushed mechanical seal
- Low NPSH values, best cavitation properties
- Shaft coupling with or without spacer

- End suction top discharge
- Mounting: Horizontal
- Back pullout design
- Closed impeller
- Mechanical seal/gland packing
- Grease lubricated, entifriction bearings

Volume flow Q max.

4000 m³/hr

500 m³/hr

750 m³/hr

Delivery head H max.

180 m

90 m

170 m

Technical data

- Fluid temperature 0 ~ +120 °C
- Max. operating pressure 16 bar or 25 bar
- Max. inlet pressure 10 bar
- Protection class IP54 or IP55
- Motor power: 3.7 kW ~ 1000 kW
- Dis. sizes: 100 ~ 400 mm

- Fluid temperature -20 ~ +120 °C
- Max. operating pressure 16 bar or 25 bar
- Max. inlet pressure 10 bar
- Protection class IP55
- Motor power: 0.4 kW ~ 160 kW
- Dis. sizes: 32 ~ 150 mm

- Fluid temperature -20 ~ +120 °C
- Max. operating pressure 16 bar
- Max. inlet pressure 10 bar
- Protection class IP55
- Mounting: Horizontal, vertical (optional)
- Lubrication: Grease, oil

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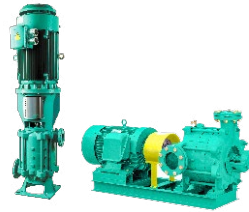
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Product range	VMF, CNE, VAF Series <i>Vertical turbine pumps</i>	PMT, PMV Series <i>Multistage ring section pumps</i>	EMU FA Series <i>Submersible sewage pumps</i>
Application	<ul style="list-style-type: none"> → Industrial or municipal water supply → Irrigation → Cooling for power plant → Dewatering, flood control → Fire fighting 	<ul style="list-style-type: none"> → Raw water intake, circulation, drainage pressure boosting → Water supply, cooling/heating water → Fire extinguish system → Boiler supply → Agriculture/sprinkler system 	<ul style="list-style-type: none"> → Untreated sewage with faeces and long fiber components → Sewage containing faeces (DIN) EN 12050-1) → Process water, wastewater
Special Features	<ul style="list-style-type: none"> → Minimum surface area needed → High hydraulic efficiency → Closed impeller → Above or below floor discharge → Non pull out bowl/rotating element antifriction bearing → Submerged pump hydraulics → Design to order as per customer specifications 	<ul style="list-style-type: none"> → Compact design and energy saving → Easy piping and installation → A wide range of operating point → Low noise/vibration → Flexible sealing: gland packing or mechanical seal → Balancing hole in impeller-reduced axial thrust → Flexible installation with both vertical and horizontal installation 	<ul style="list-style-type: none"> → Self-cooling motors for the use in wet well and dry well installation → Process security thanks to extensive monitoring devices → Special version for abrasive and corrosive fluids → Low vibration and long service life thanks to high quality components → Customized versions are possible
Volume flow Q max.	50,000 m ³ /hr	350 m ³ /hr	7,840 m ³ /hr
Delivery head H max.	450 m	250 m	100 m
Technical data	<ul style="list-style-type: none"> → Permitted temperature range up to 80 °C, or up to 105 °C on request → Nominal diameter on pressure side DN 100 to DN 2000 	<ul style="list-style-type: none"> → Fluid temperature 0 ~ 80 °C → Max. operating pressure 16/25 bar → Max. inlet pressure 10 bar → Protection class IP54 → Motor power: 1.5 kW ~ 200 kW → Dis. sizes: 40 ~ 150 mm 	<ul style="list-style-type: none"> → Fluid temperature 40 °C → Immersed operating mode: S1 → Non-immersed operating mode: S1 with self-cooling motor, S2 with surface-cooled motor → Protection class IP68 → Max. immersion depth: 20 m



Product range	PD,PDV,PDN,PDG,SSD,SSV Series <i>Submersible drainage/sewage pumps</i>	PSS Series <i>Submersible borehole pumps</i>	EMU K..KM..Polder Series <i>Submersible borehole pumps</i>
Application	<ul style="list-style-type: none"> → General drainage for buildings → Drainage and wastewater transfer → Factory waste water disposal → Sewage treatment plant, waste treatment → Construction site or civil engineering, buildings, tunnel, subway & sewage facilities 	<ul style="list-style-type: none"> → Water supply from boreholes and rain water storage tanks → Municipal and industrial systems → Sprinkling and irrigation → Pressure boosting; lowering the ground water level 	<ul style="list-style-type: none"> → Supplying sprinkler systems → Potable and process water from tanks or shallow bodies of water → Municipal industrial water supply → Irrigation, lowering the ground water level → Geothermal and offshore applications
Special Features	<ul style="list-style-type: none"> → Stainless steel shaft as standard → Leak-proof by double M/seal and oil seal → Excellent lubrication → Minimize stopping-up foreign materials → Powerful starting torque → Excellent sludge transfer by non-clog type → Safety design with built-in OLP → Various materials are available 	<ul style="list-style-type: none"> → Compact design → Excellent durability by NEMA standard bearings and all stainless steel → A wide range of motor → Easy maintenance → Flexible installation with both vertical and horizontal installation 	<ul style="list-style-type: none"> → Vds certification → Sturdy cast iron or bronze → Deep water lowering → Compact construction → Maintenance friendly → Optional with Ceram CT coating for increasing the efficiency
Volume flow Q max.	1,480 m ³ /hr	240 m ³ /hr	2,400 m ³ /hr
Delivery head H max.	43 m	800 m	560 m
Technical data	<ul style="list-style-type: none"> → Fluid temperature -5 ~ 40 °C → Max. operating pressure 16 bar or 25 bar → Max. inlet pressure 10 bar → Protection class IP68 → Motor power: 1.5 kW ~ 40 kW → Dis. sizes: 50 ~ 500 mm → Ball passage: max 98mm 	<ul style="list-style-type: none"> → Fluid temperature 4 ~ 40 °C → Max. operating pressure 20 bar → Protection class IP68 → Motor power: 0.75 kW ~ 93 kW → Dis. sizes: 32 ~ 150 mm 	<ul style="list-style-type: none"> → Fluid temperature 20 ~ 30 °C → Minimum flow rate at motor: 0.1 m³/s → Maximum sand content: 35 g/m³ → Up to 10 starts per hour → Max. immersion depth: 350m

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