

GRUNDFOS A WIDE RANGE OF QUALITY PUMPS 60 Hz



BE > THINK > INNOVATE >

GRUNDFOS 



A global business

With over 10,000 employees and annual production of some 8 million pump units a year, Grundfos is one of the world's leading pump manufacturers. More than 50 companies right across all the continents of the globe help to bring pumps to every corner of the world, from supplying drinking water to Antarctic expeditions, irrigation of Dutch tulips, groundwater monitoring beneath waste heaps in Germany, to air-conditioning in Egyptian hotels.

Efficient, sustainable products

Grundfos is constantly striving to make its products more userfriendly and reliable – and also energy-saving and efficient, so that both users and the environment benefit from their improvements.

Grundfos pumps are equipped with ultramodern electronics, allowing them to regulate their output according to current needs. This not only ensures convenience for the user, but also saves a great deal of energy.

Research and development

In order to maintain its leading position, Grundfos constantly places a great deal of emphasis on customer-oriented research and development; customers are consulted when new products are developed or when established products are improved.



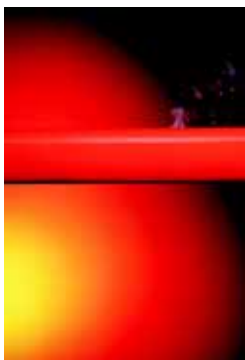
Research and development make use of the latest technology within the pump industry, collaborating with universities and higher education institutions in search of new and better solutions for the design and function of the products.

Corporate values

The Grundfos Group is based on values such as sustainability, openness, trustworthiness, responsibility, and also on partnership with clients, suppliers and the whole of society around us, with a focus on humanity that concerns our own employees as well as the many millions who benefit from water that is procured, utilised and removed as wastewater with the help of Grundfos pumps.

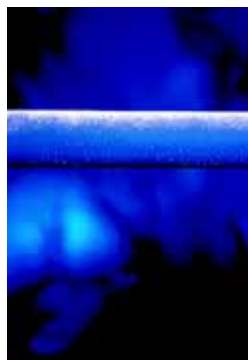
Pumps for all purposes

No matter for which purpose an efficient and energysaving pump solution is required, Grundfos offers a high-quality solution.



Heating and hot water service systems

Circulator pumps for circulation of hot water in central and district heating systems and circulation in domestic hot water service systems.



Cooling and air-conditioning systems

Circulator pumps for circulation of cold water and other liquids in cooling and air-conditioning systems.



Industrial applications

A wide range of pumps for the transfer of water, cooling lubricants and other liquids in industrial and process systems.



Pressure boosting and liquid transfer

Vertical and horizontal, centrifugal pumps and pressure boosting systems for liquid transfer and boosting of hot and cold water.



Groundwater supply

Submersible and dry installed pumps for groundwater supply, irrigation and groundwater lowering.



Domestic water supply

Submersible pumps, jet pumps, multistage centrifugal pumps and compact systems for water supply in homes, gardens and hobby applications.



Sewage and wastewater

Drainage, effluent and sewage pumps, for a wide range of applications in building services as well as transfer of raw sewage in municipal sewage systems.



Environmental applications

Purpose-built submersible pumps for remedial pumping of contaminated groundwater and for sampling for water quality analyses.



Dosing

Dosing pumps for wastewater treatment systems, swimming-pools and industry.



Renewable-energy systems

Renewable-energy-based water supply systems suitable for remote locations not connected to the electricity supply grid.

Product and application overview

Heating and hot water service systems

Delta Control 2000	11
DMM	13
CHI, CHIU	14
GRUNDFOS UP, UP(S)-N, Series 100 . . . . .	.8
GRUNDFOS COMFORT . . . . .	.8
GRUNDFOS MAGNA, UPE Series 2000. . . . .	.9
TPE Series 2000 . . . . .	.9
R100	10
NB, NBG	11
NKE, NKGE.	12
NBE, NBGE.	12
SPK, CHK, MTH, CRK, MTR, MTA.	13
TP. . . . .	.9
TPE Series 1000	10
UPS Series 200. . . . .	.8

Cooling and air-conditioning systems

CHIE	14
CR, CRI, CRN	14
CH, CHN	22
CR, CRN high pressure	15
Euro-HYGIA®.	16
CRE, CRIE, CRNE	16
Delta Control 2000	11
DMM	13
CHI, CHIU	14
GRUNDFOS UP, UP(S)-N, Series 100 . . . . .	.8
GRUNDFOS COMFORT . . . . .	.8
TPE Series 2000 . . . . .	.9
R100	10
NB, NBG	11
NKE, NKGE.	12
NBE, NBGE.	12
SPK, CHK, MTH, CRK, MTR, MTA.	13
TP. . . . .	.9
TPE Series 1000	10
UPS Series 200. . . . .	.8

Industrial applications

BM, BMB	18
BME, BMET.	19
CH, CHN	22
CHIE	14
CR, CRI, CRN	14
Control 2000	18
CR, CRN high pressure.	15
Euro-HYGIA®.	16
LiqTec.	15
CRE, CRIE, CRNE	16
Euro-HYGIA®.	16
Contra.	17
SIPLA	17
MAXA and MAXANA	17
DMM	13
CHI, CHIU.	14
Hydro 2000, Hydro Solo, Hydro Multi-E	18
TPE Series 2000 . . . . .	.9
R100	10
NB, NBG	11
NKE, NKGE.	12
NBE, NBGE.	12
SPK, CHK, MTH, CRK, MTR, MTA	13
S pumps	24
DME, DMS	13
Tanks	23

Product and application overview

Pressure boosting and liquid transfer

BM, BMB.	18
BME, BMET	19
CH, CHN.	22
CHIE	14
CR, CRI, CRN	14
Control 2000.	18
CR, CRN high pressure	15
CRT	15
Euro-HYGIA®	16
LiqTec	15
CRE, CRIE, CRNE	16
HS	12
Hydro 2000, Hydro Solo, Hydro Multi-E	18
TPE Series 2000.	9
R100	10
MQ.	22
NB, NBG.	11
NKE, NKGE	12
NBE, NBGE	12
SPK, CHK, MTH, CRK, MTR, MTA	13

Groundwater supply

DMM	13
CHI, CHIU	14
S pumps	24
SP A, SP, SP-G	20
SQ, SQE.	19
Tanks	23

Domestic water supply

CH, CHN.	22
CR, CRN high pressure	15
Euro-HYGIA®	16
DMM	13
CHI, CHIU	14
Hydro 2000, Hydro Solo, Hydro Multi-E	18
MQ.	22
SP A, SP, SP-G	20
SQ, SQE.	19
Tanks	23

Sewage and wastewater

CHIE	14
CR, CRI, CRN	14
DMM	13
CHI, CHIU	14
KP, AP, AP35B, AP50B - stainless steel	23
Sololift+	23
S pumps	24

Environmental applications

CR, CRN high pressure	15
Euro-HYGIA®	16
LiqTec	15
DMM	13
CHI, CHIU	14
MP 1	21
SQE-NE, SP-NE.	21

Dosing

DMM	13
CHI, CHIU	14

Renewable-energy systems

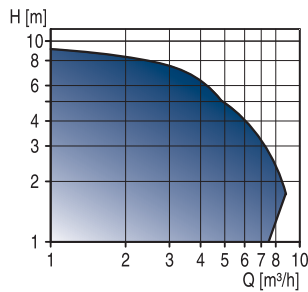
SQFlex.	21
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GRUNDFOS UP, UP(S)-N, Series 100

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 9 m ³ /h
Head, H:	max. 6 m
Liquid temp.:	-25°C to +110°C
Operat. pres.:	max. 10 bar

Applications

- Circulation of hot or cold water in
- Heating systems
 - Domestic hot water systems
 - Cooling and air-conditioning systems

Features and benefits

- Maintenance-free
- Low-noise
- Low-energy
- Wide range

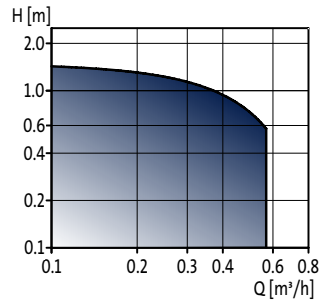
Options

- Single-speed or 2- or 3-speed performance adjustment



GRUNDFOS COMFORT

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 0.57 m ³ /h
Head, H:	max. 1.4 m
Liquid temp.:	+2°C to +95°C
Operat. pres.:	max. 10 bar

Applications

- Circulation of hot or cold water in
- Domestic hot water recirculation
 - Heating systems
 - Domestic hot water systems
 - Cooling and air-conditioning systems

Features and benefits

- Maintenance-free
- Low-noise
- Low-energy
- Wide range
- Corrosion-resistant stainless steel, brass pump housing

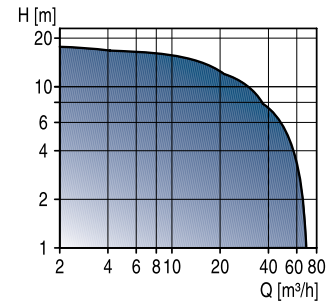
Options

- 24-hour timer
- Adjustable thermostat



UPS Series 200

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 60 m ³ /h
Head, H:	max. 16 m
Liquid temp.:	-10°C to +120°C
Operat. pres.:	max. 10 bar

Applications

- Circulation of hot or cold water in
- Heating systems
 - Domestic hot water systems
 - Cooling and air-conditioning systems

Features and benefits

- Maintenance-free
- Built-in thermal switch
- Low-noise
- Low-energy
- Single-phase with built-in protection module
- Wide range

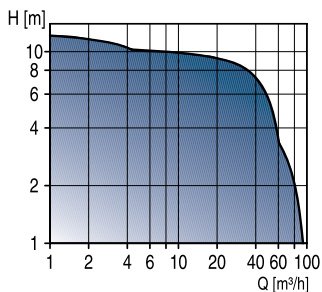
Options

- Protection module
- Relay module with fault signal or operating output
- Bronze pump housing



GRUNDFOS MAGNA, UPE Series 2000

Circulator pumps, canned-rotor type
- electronically controlled



Technical data

Flow, Q: max. 90 m³/h
Head, H: max. 12 m
Liquid temp.: +15°C to +110°C
Operat. pres.: max. 10 bar

Applications

Circulation of hot water in
• Heating systems in blocks of flats, schools, hospitals, hotels, industry etc.

Features and benefits

- Low-noise
- Low-energy
- Wide range
- Automatic performance adjustment
- Simple installation - no extra equipment or fittings required
- Safe selection

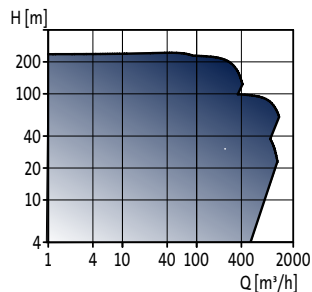
Options

- Bronze pump housing
- Twin-head versions
- Wireless remote control, R100
- Communication via GENIbus or LON



TP

Circulator pumps, close-coupled type



Technical data

Flow, Q: max. 1300 m³/h
Head, H: max. 240 m
Liquid temp.: -25°C to +140°C
Operat. pres.: max. 25 bar

Applications

Circulation of hot or cold water in
• Heating systems
• District heating plants
• Local heating plants
• Domestic hot water systems
• Cooling and air-conditioning systems

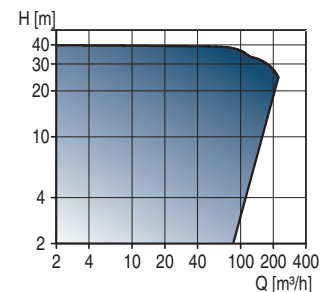
Features and benefits

- Compact design
- Wide range
- Standard motor
- Service-friendly
- Various types of shaft seals depending on liquid, temperature and pressure



TPE Series 2000

Single-stage, centrifugal pumps -
electronically controlled



Technical data

Flow, Q: max. 230 m³/h
Head, H: max. 41 m
Liquid temp.: -25°C to +140°C
Operat. pres.: max. 16 bar

Applications

Circulation of hot or cold water in
• Heating systems
• Domestic hot water systems
• Cooling and air-conditioning systems

Features and benefits

- Low-energy
- Adaptation to existing operating conditions
- Simple installation
- Service-friendly

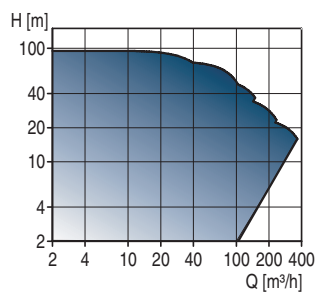
Options

- Parallel operation
- Wireless remote control, R100
- Communication via GENIbus or LON



TPE Series 1000

Single-stage, centrifugal pumps - electronically controlled



Technical data

Flow, Q:	max. 356 m ³ /h
Head, H:	max. 94 m
Liquid temp.:	-25°C to +140°C
Operat. pres.:	max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- District heating plants
- Cooling and air-conditioning systems
- Industrial plants

Features and benefits

- Low-energy
- Adaptation to existing operating conditions
- Simple installation
- Service-friendly
- Many control facilities
- Wireless remote control, R100
- Communication via GENIbus or LON



R100

Wireless remote control

Applications

- All pumps designed for wireless communication

Features and benefits

- Simple and quick installation of the pump
- Reading out of various operating and fault signals
- Printing out of status information



PMU 2000, PCU 2000

Pump controllers

Applications

PMU 2000

- Parallel connection of up to eight pumps
- Central reading out of various status information

PCU 2000

- Fault indication for each pump
- External setpoint influence
- Start/stop of system

Features and benefits

- Communication via BUS
- Simple and quick installation



Delta Control 2000

Pump controllers

Technical data

No. of pumps: max. 4
 Power output: 75 kW
 Encl. class: IP 54

Applications

Delta Control 2000 are used for parallel connection of pumps in

- Heating systems
- Cooling and air-conditioning systems

Features and benefits

- Complete control panel

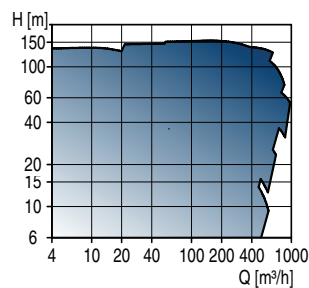
Options

- External communication



NB, NBG

Single-stage standard pumps



Technical data

Flow, Q: max. 1000 m³/h
 Head, H: max. 160 m
 Liquid temp.: -25°C to +140°C
 Operat. pressure: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- District heating plants
- Heating systems for blocks of flats
- Air-conditioning systems
- Cooling systems
- Washdown systems
- Other industrial systems.

Features and benefits

- Standard dimensions according to EN and ISO standards
- Compact design
- Flexible pump range
- Standard motor
- Adaptable to any application and performance
- EN 12 756 shaft seal.

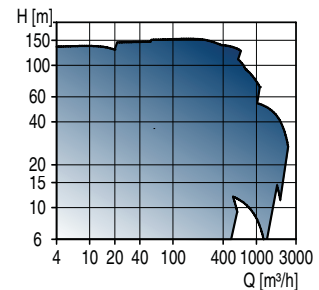
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron, bronze or stainless steel impeller
- Cast iron or stainless steel pump housing.



NK, NKG

Single-stage standard pumps according to EN733, ISO2858 and ISO5199



Technical data

Flow, Q: max. 2400 m³/h
 Head, H: max. 160 m
 Liquid temp.: -25°C to +140°C
 Operat. pressure: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- District heating plants
- Water supply systems
- Air-conditioning systems
- Cooling system
- Washdown system
- Fire fighting systems
- Other industrial systems.

Features and benefits

- Standard dimensions according to EN or ISO standards
- Robust design
- Wide range
- Standard motor
- Adaptable to any application and performance
- En 12 756 shaft seal.

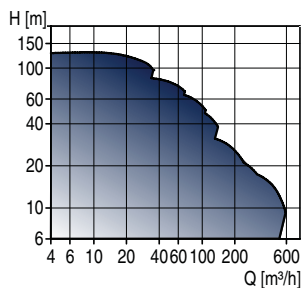
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron, bronze or stainless steel impeller
- Cast iron or stainless steel pump housing.



NBE, NBGE

Single-stage standard pumps - electronically controlled



Technical data

Flow, Q: max. 550 m³/h
 Head, H: max. 130 m
 Liquid temp.: -25°C to +140°C
 Operat. pressure: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- District heating plants
- Heating systems for blocks of flats
- Air-conditioning systems
- Cooling systems
- Washdown systems
- Other industrial systems.

Features and benefits

- Standard dimensions according to EN and ISO standards
- Compact design
- Flexible pump range
- Standard motor
- Adaptable to any application and performance
- EN 12 756 shaft seal.

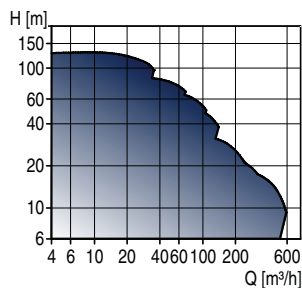
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron, bronze or stainless steel impeller
- Cast iron or stainless steel pump housing.



NKE, NKGE

Single-stage standard pumps according to EN733, ISO2858 and ISO5199 - electronically controlled



Technical data

Flow, Q: max. 550 m³/h
 Head, H: max. 130 m
 Liquid temp.: -25°C to + 140°C
 Operat. pressure: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

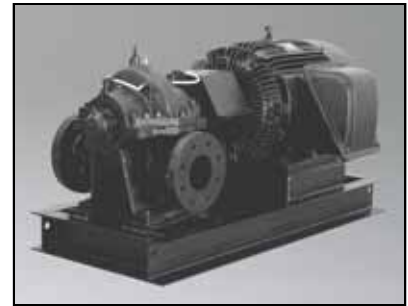
- District heating plants
- Water supply systems
- Air-conditioning systems
- Cooling systems
- Washdown systems
- Other industrial systems.

Features and benefits

- Standard dimensions according to EN and ISO standards
- Robust design
- Wide range
- Standard motor
- Adaptable to any application and performance
- EN 12 756 shaft seal.

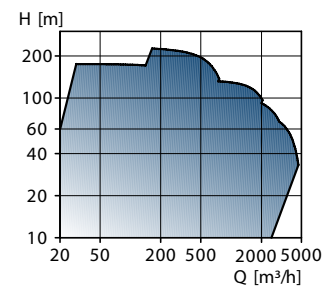
Options

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron, bronze or stainless steel impeller
- Cast iron or stainless steel pump housing.



HS

Single and two-stage horizontal split case pumps.



Technical data

Flow, Q: max. 4200 m³/h
 Head, H: max. 220 m
 Liquid temp.: 0°C to + 90°C
 Operat. pressure: max. 25 bar

Applications

The pumps are suitable for liquid transfer in

- District heating plants
- Water supply systems
- Air-conditioning systems
- Cooling systems
- Irrigation systems
- Other industrial systems.

Features and benefits

- Flange dimensions according to BS 4504/DIN 2501 standards
- Robust design
- Wide range
- Standard motor
- Adaptable to any application and performance
- DIN 24960 shaft seal.

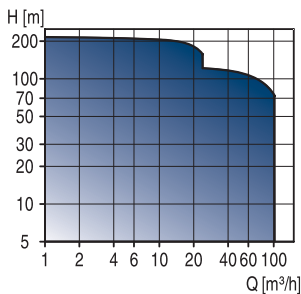
Options

- Various types of shaft seal depending on liquid, temperature and pressure
- Stuffing box
- Cast iron, bronze or stainless steel impeller and wear rings.



SPK, CHK, MTH, CRK, MTR, MTA

Multistage centrifugal immersible pumps



Technical data

Flow, Q: max. 100 m³/h
 Head, H: max. 230 m
 Liquid temp.: -20°C to + 90°C
 Operat. pres.: max. 26 bar

Applications

The pumps are suitable for liquid transfer in

- Spark machine tools
- Grinding machines
- Machining centres
- Cooling units
- Industrial washing machines
- Filtering systems
- Lathes
- Swarf conveyors

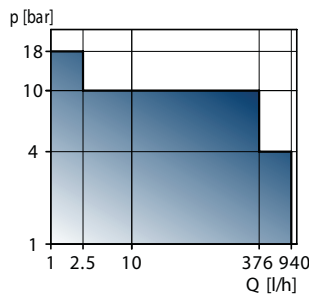
Features and benefits

- Flexible installation length
- Wide range
- Reliability
- Service-friendly
- Simple installation



DME, DMS

Compact diaphragm dosing pumps



Technical data

Capacity, Q: max. 940 l/h
 Pressure, p: max. 18 bar
 Liquid temp.: max. +50°C

Applications

Injection of chemicals in water and waste water treatment systems, washing systems, swimming-pools and process plants

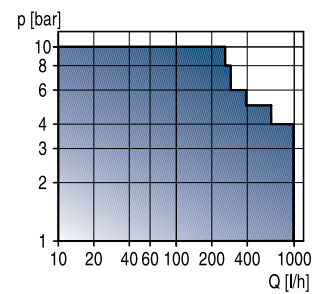
Features and benefits

- Precise capacity setting in ml or l
- Full diaphragm control
- Stroke speed or -frequency capacity control
- Operation panel with display and one-touch buttons
- Front- or side-fitted operation panel
- Manual/pulse control
- Control panel lock
- 4-20 mA control
- Pulse-/timer-based batch control
- Anti-cavitation function
- Easy calibration function
- Fieldbus communication module (option)
- Leakage sensor



DMM

Compact diaphragm dosing pumps



Technical data

Capacity, Q: max. 990 l/h
 Pressure, p: max. 10 bar
 Liquid temp.: max. +50°C

Applications

Injection of chemicals in water and waste water treatment systems, washing systems, swimming-pools and process plants

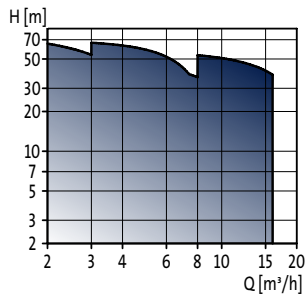
Features and benefits

- Sturdy design
- Stroke length capacity control
- Leakage-free
- Motor control option with display and one-touch buttons and following control options:
 - Pulse control
 - Puls division/multiplication
 - Analog 0/4-20 mA control



CHI, CHIU

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 16 m³/h
Head, H:	max. 75 m
Liquid temp.:	-15°C to +120°C
Operat. pres.:	max. 10 bar

Applications

The pumps are suitable for liquid transfer in

- Water treatment systems
- Industrial washing and dishwashing machines
- Pressure boosting of process water
- Heating and cooling in industrial processes
- Air-conditioning systems
- Airwashing, moisturization, humidification (softened water)
- Water supply and pressure boosting (potable water, also slightly chlorinated)

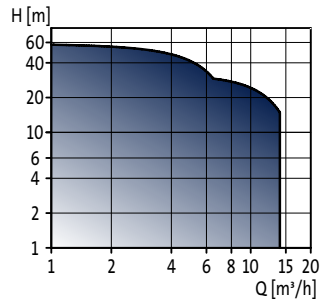
Features and benefits

- Compact design
- Wide range
- Suitable for slightly aggressive liquids
- Low noise
- Leakage-free (CHIU only)



CHIE

Multistage centrifugal pumps - electronically controlled



Technical data

Flow, Q:	max. 14 m³/h
Head, H:	max. 58 m
Liquid temp.:	-15°C to +110°C
Operat. pres.:	max. 10 bar

Applications

The pumps are suitable for liquid transfer in

- Cooling systems
- Industrial washing systems
- Aquafarms
- Fertilizer systems
- Dosing systems
- Industrial plants

Features and benefits

- Compact design
- Wide range
- Suitable for slightly aggressive liquids
- Many control facilities

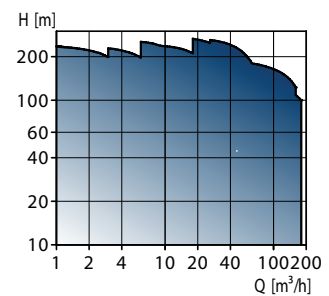
Options

- Wireless remote control, R100



CR, CRI, CRN

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 180 m³/h
Head, H:	max. 270 m
Liquid temp.:	-30°C to +120°C
Operat. pres.:	max. 30 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Cooling and air-conditioning systems
- Water supply systems
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feeding systems

Features and benefits

- Reliability
- In-line design
- High efficiency
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids

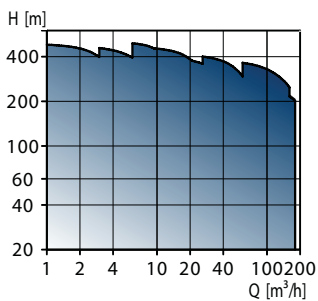
Options

- Dry-running protection and motor protection via LiqTec



CR, CRN high pressure

Multistage centrifugal pumps



Technical data

Flow, Q: max. 180 m³/h
 Head, H: max. 490 m
 Liquid temp.: -30°C to +120°C
 Operat. pres.: max. 50 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Water treatment systems
- Industrial plants
- Boiler feeding systems

Features and benefits

- Reliability
- High pressures
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids
- Single pump solution enabling high pressure

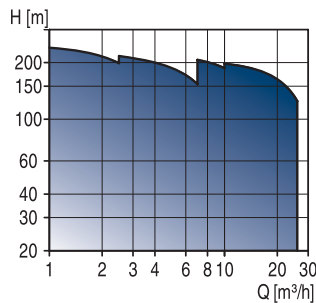
Options

- Dry-running protection and motor protection via LiqTec



CRT

Multistage centrifugal pumps



Technical data

Flow, Q: max. 26 m³/h
 Head, H: max. 240 m
 Liquid temp.: -20°C to +120°C
 Operat. pres.: max. 25 bar

Applications

The pumps are suitable for liquid transfer in

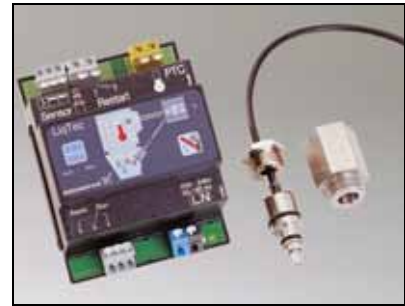
- Process water systems
- Washing in cleaning systems
- Sea water systems
- Pumping of acids and alkalis
- Ultra filtration systems
- Reverse osmosis systems
- Swimming baths

Features and benefits

- High corrosion resistance
- Reliability
- In-line construction
- High efficiency
- Service-friendly
- Space-saving

Options

- Dry-running protection and motor protection via LiqTec



LiqTec

Control and monitoring unit

Applications

- Monitoring and protection of pumps and processes

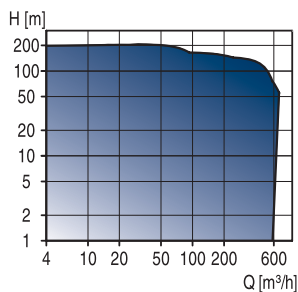
Features and benefits

- Protection against dry running and too high motor temperatures
- Manual or automatic restarting possible from a remote PC
- Simple installation - plug and play technology
- Robust sensor



CV, CPV, CPH

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 675 m ³ /h
Head, H:	max. 205 m
Liquid temp.:	-15°C to +120°C
Operat. pres.:	max. 20 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Cooling and air-conditioning systems
- Water supply systems
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feeding systems

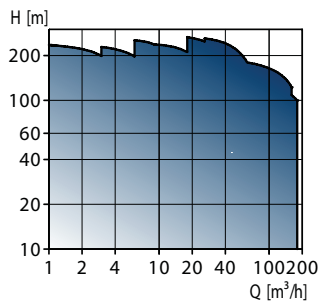
Features and benefits

- Low-speed (4-pole motors)
- Heavy-duty
- Low-noise
- Vertical and horizontal installation



CRE, CRIE, CRNE

Multistage centrifugal pumps - electronically controlled



Technical data

Flow, Q:	max. 145 m ³ /h
Head, H:	max. 250 m
Liquid temp.:	-20°C to +120°C
Operat. pres.:	max. 24 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Cooling and air-conditioning systems
- Water supply systems
- Water treatment systems
- Fire fighting systems
- Industrial plants
- Boiler feeding systems

Features and benefits

- Wide range
- Reliability
- In-line design
- High efficiency
- Service-friendly
- Space-saving
- Many control facilities

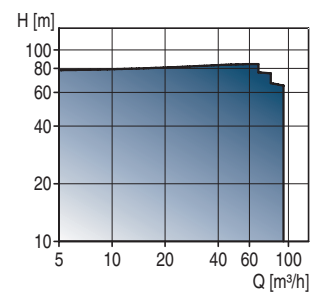
Options

- Wireless remote control, R100



Euro-HYGIA®

Single-stage, end-suction sanitary pumps



Technical data

Flow, Q:	max. 130 m ³ /h
Head, H:	max. 108 m
Operat. temp.:	+95°C (+150°C on request)
Operat. pres.:	max. 16 bar

Applications

- Liquid transfer in breweries and dairies
- Mixing in soft drink applications
- Food processing plants
- Pure water systems (WFI)
- Process pumping in pharmaceutical industry
- CIP (Cleaning-In-Place) systems.

Features and benefits

- Unique hygienic design (QHD, EHEDG and 3A standards)
- CIP and SIP capable (DIN EN 12462)
- Customised solutions
- Materials: AISI 316L (DIN EN 1.4404/1.4435)
- Gentle media handling.

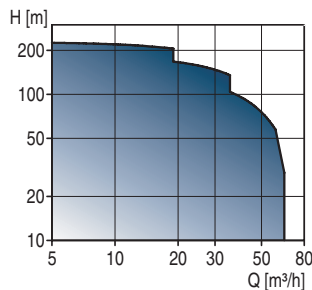
Options

- Electronically speed controlled versions
- ATEX-certified pumps
- Wide range impeller designs



Contra

Single- and multi-stage, end-suction sanitary pumps



Technical data

Flow, Q: max. 55 m³/h
 Head, H: max. 220 m
 Operat. temp.: +95°C
 (+150°C on request)
 Operat. pres.: max. 25 bar

Applications

- Liquid transfer in breweries and dairies
- Carbonising systems
- Food processing plants
- Purification systems
- Pure water systems (WFI)
- Surface treatment systems
- CIP feeding systems.

Features and benefits

- Unique hygienic design (QHD, EHEDG and 3A standards)
- CIP and SIP capable (DIN EN 12462)
- High efficiency
- Materials: AISI 316L (DIN EN 1.4404/1.4435).

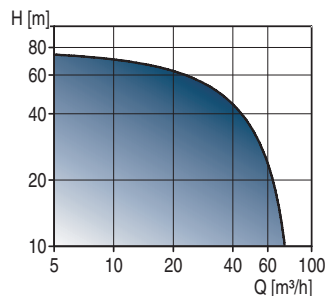
Options

- Electronically speed controlled versions
- ATEX-certified pumps
- Fully drainable versions



SIPLA

Single-stage, self-priming side-channel pumps



Technical data

Flow, Q: max. 55 m³/h
 Head, H: max. 78 m
 Operat. temp.: +95°C
 (+140°C on request)
 Operat. pres.: max. 10 bar

Applications

- CIP return pumping
- Transfer of glycerine
- Transfer of yeast
- Transfer of whey.

Features and benefits

- Meets the 3A hygienic standard
- High air-content handling
- Efficient priming.

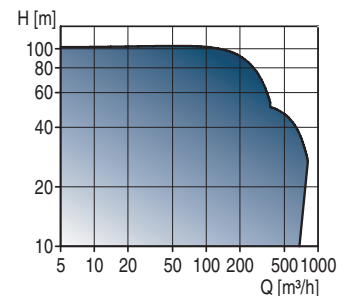
Options

- Electronically speed controlled versions
- ATEX-certified pumps
- Fully cleanable versions



MAXA and MAXANA

End-suction process pumps



Technical data

Flow, Q: up to max. 800 m³/h
 Head, H: up to max. 97 m
 Operat. temp.: +95°C
 (+150°C on request)
 Operat. pres.: max. 10 bar

Applications

- Gentle pumping of mash and wort for beer filtration (hot side)
- Liquid transfer in dairies
- Water treatment plants
- Chemical and environmental handling systems
- Liquids with high content of solid particles.

Features and benefits

- Optimised hydraulics
- Gentle product handling
- Materials: AISI 316 (DIN EN 1.4404)
- Service and repair friendly.

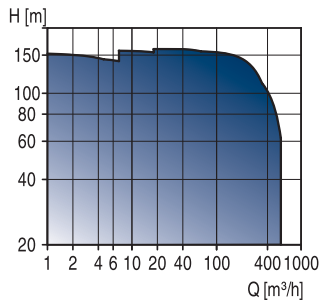
Options

- Electronically speed controlled versions
- ATEX-certified pumps
- Electro-polished versions
- Double mechanical shaft seals (tandem/back-to-back).



Hydro 2000, Hydro Solo, Hydro Multi-E

Complete pressure boosting systems



Technical data

Flow, Q:	max. 575 m ³ /h
Head, H:	max. 160 m
Liquid temp.:	0°C to +70°C
Operat. pres.:	max. 16 bar

Applications

Hydro 2000 are suitable for pressure boosting in

- Water supply systems
- Irrigation systems
- Water treatment systems
- Fire fighting systems
- Industrial plants

Features and benefits

- Constant pressure
- Simple installation
- Low-energy
- Wide range

Options

- External communication, Control 2000



Control 2000

Pump controllers

Applications

Control 2000 is suitable for parallel connection of pumps in

- Water supply systems
- Irrigation systems
- Water treatment systems
- Fire fighting systems
- Industrial plants

Features and benefits

- Complete control panel

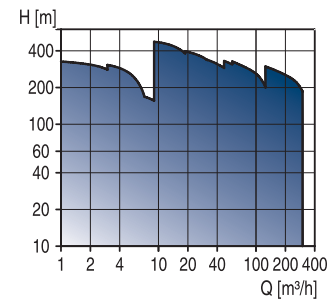
Options

- External communication



BM, BMB

4", 6", 8" booster modules



Technical data

Flow, Q:	max. 300 m ³ /h
Head, H:	max. 480 m
Liquid temp.:	0°C to +40°C
Operat. pres.:	max. 80 bar

Applications

The booster modules are suitable for pressure boosting in

- Reverse osmosis systems
- Water supply systems
- Water treatment systems
- Industrial plants

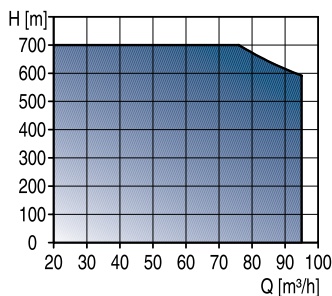
Features and benefits

- Various material versions
- Low-noise
- Simple installation
- Modular design
- Compact design
- Leakage-free



BME, BMET

High-pressure booster systems



Technical data

Flow, Q: max. 95 m³/h
 Head, H: max. 700 m
 Liquid temp.: 0°C to +40°C
 Operat. pres.: max. 70 bar

Applications

The booster systems are suitable for pressure boosting in

- Reverse osmosis systems
- Water supply systems
- Water treatment systems
- Industrial plants

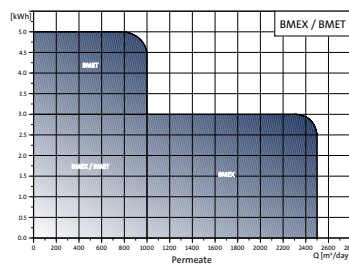
Features and benefits

- High-pressure/high-flow
- Low-energy
- Simple installation
- Compact design



BMEX

Grundfos booster system BMEX is designed for energy recovery in Sea Water Reverse Osmosis (SWRO)



Technical data

Permeate per day: 500 to 2500 m³
 Head, H: max. 810 m
 Ambient temp.: +40°C
 Operat. pres.: max. 80 bar

Applications

- Desalination of brackish water and seawater

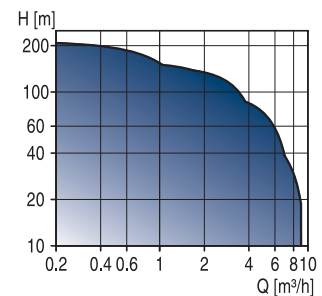
Features and benefits

- Energy recovery up to 60%, compared to conventional systems, resulting in short payback period
 - Corrosion- and wear-resistant internal ceramic components
 - Couplings for easy installation
 - High-grade stainless steel used on frame and manifold
 - Large flows and high heads
 - Motor and bearings are standard components
 - Maintenance-free shaft seal
 - V-belt drive with high efficiency
- Easy to dismantle for service



SQ, SQE

3" submersible pumps



Technical data

Flow, Q: max. 9 m³/h
 Head, H: max. 210 m
 Liquid temp.: 0°C to +40°C
 Installation depth: max. 150 m

Applications

The pumps are suitable for

- Domestic water supply systems
- Groundwater supply to waterworks
- Irrigation in horticulture and agriculture
- Groundwater lowering
- Industrial applications

Features and benefits

- Integrated dry-running protection
- Soft start
- Over- and undervoltage protection
- High efficiency

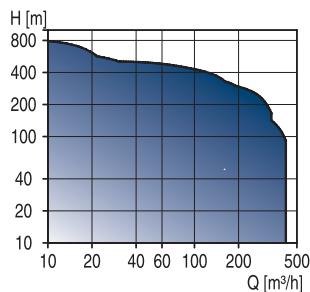
Options

- SQE can be protected, monitored and controlled via CU 300/R100



SP A, SP, SP-G

4", 6", 8", 10" submersible pumps



Technical data

Flow, Q: max. 420 m³/h
 Head, H: max. 810 m
 Liquid temp.: 0°C to +60°C
 Installation depth: max. 600 m

Applications

- The pumps are suitable for
- Groundwater supply to waterworks
 - Irrigation in horticulture and agriculture
 - Groundwater lowering
 - Pressure boosting
 - Industrial applications

Features and benefits

- High efficiency
- Long service life as all components are stainless steel
- Motor protection via CU 3

Options

- Data can be monitored and controlled via CU 3/R100



MS motors

Stainless steel 4" and 6" submersible motors

Motor sizes

4" motor: 0.37 to 7.5 kW
 6" motor: 5.5 to 30 kW

Applications

The Grundfos MS submersible motors can be fitted on all Grundfos SP A, SP pumps and can be used in the high-pressure booster modules, type BM and BMB.

Features and benefits

- Overprotection by means of a built-in Tempcon temperature transmitter
- Standardized NEMA head and shaft end
- Completely encapsulated in stainless steel
- Liquid cooled and has liquid lubricated bearings

Options

- Material variants available



MMS motors

Stainless steel 6", 8", 10" rewindable submersible motors

Motor sizes

6" motor: 3.7 to 37 kW
 8" motor: 22 to 110 kW
 10" motor: 75 to 190 kW

Applications

The Grundfos MMS submersible motors can be fitted on all Grundfos SP and SP-G pumps.

Features and benefits

- Wide range of rewindable motors
- Easily rewinded
- Protection against upthrust
- High efficiency
- 6" and 8" have standardized NEMA head and shaft end
- Mechanical shaft seal ceramic/carbon or SiC/SiC
- PVC or PE/PA windings

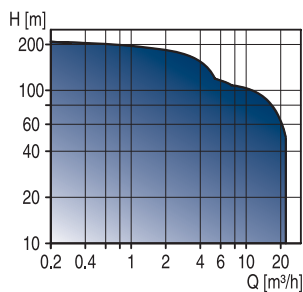
Options

- Material variants available
- Overtemperature protection via Pt100



SQE-NE, SP-NE

Environmental pumps



Technical data

Flow, Q: max. 22 m³/h
 Head, H: max. 215 m
 Liquid temp.: 0°C to +40°C
 Instal. depth: max. 600 m

Applications

- The pumps are suitable for
- Pumping up contaminated groundwater
 - Sampling
 - Remedial pumping

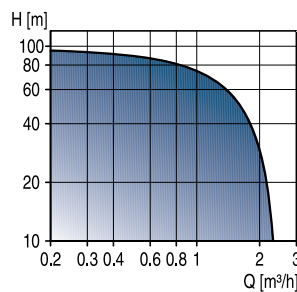
Features and benefits

- SQE-NE
 • Same features and benefits as SQE
 SP-NE
 • Same features and benefits as SP



MP 1

Environmental pumps



Technical data

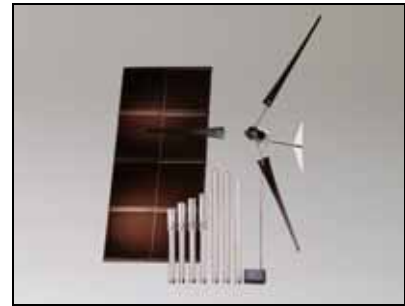
Flow, Q: max. 2.4 m³/h
 Head, H: max. 95 m
 Liquid temp.: 0°C to +35°C

Applications

- The pumps are suitable for
- Sampling

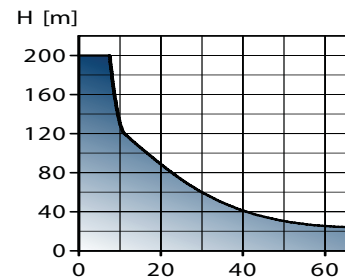
Features and benefits

- Compact design
- Fit into 50 mm boreholes



SQFlex

Renewable-energy based water supply systems



Technical data

Flow, Q: max. 90 m³/day
 Head, H: max. 120 m
 Liquid temp.: 0°C to +40°C
 Voltage supply: 30-300 VDC or 1x90-240 V, 50/60

Hz
 Instal. depth: max. 150 m

Applications

- The SQFlex systems are suitable for remote locations, such as:
- Villages, schools, hospitals, single-family houses
 - Farms and irrigation of greenhouses
 - Game parks and game farms
 - Conservation areas

Features and benefits

- Energy supply: Solar modules, wind turbine, generator or batteries
- Simple installation
- Reliable water supply
- Virtually no maintenance
- Expansion possibilities
- Cost-efficient pumping
- Dry-running protection



CU 3, CU 300, CU 301

Control and monitoring units

Applications

- Monitoring and protection of pump installations

Features and benefits

- Protection against dry running and too high motor temperature
- Constant monitoring of pump energy consumption
- Reading out of operating data via R100

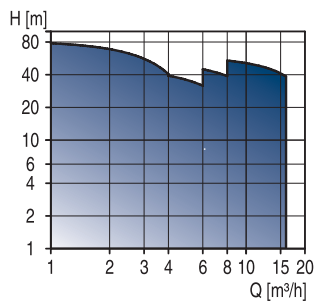
Options

- Connection to large control systems via BUS-communication
- Connection of sensors enabling control based on sensor signals



CH, CHN

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 16 m³/h
Head, H:	max. 78 m
Liquid temp.:	0°C to +90°C
Operat. pres.:	max. 10 bar

Applications

The pumps are suitable for liquid transfer in

- Pressure boosting systems
- Domestic water supply systems
- Cooling systems
- Air-conditioning systems
- Horticultural irrigation systems
- Small industrial water supply systems

Features and benefits

- Compact design
- Robust design
- Full stainless steel design (CHN only)
- Low-noise

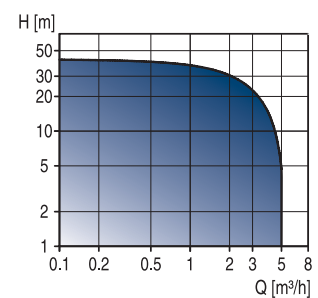
Options

- Booster sets for domestic water supply
- Automatic start/stop when equipped with Presscontrol



MQ

Multistage centrifugal self-priming pumps



Technical data

Flow, Q:	max. 5 m³/h
Head, H:	max. 42 m
Liquid temp.:	0°C to +35°C
Operat. pres.:	max. 7.5 bar

Applications

The pumps are suitable for liquid transfer in

- Single- or two-family houses
- Weekend cottages
- Farms
- Greenhouses

Features and benefits

- All-in-one pressure booster unit
- Easy to install
- Easy to operate
- Self-priming
- Dry-running protection with automatic reset
- Low-noise
- Maintenance-free



Tanks

Diaphragm and bladder tanks

Technical data

Tank size: 8-3000 l
Liquid temp.: max. +90°C
Operat. pres.: max. 16 bar

Applications

The diaphragm and bladder tanks are used in

- Water supply systems in housing
- Pressure boosting systems in housing
- Agriculture
- Horticulture
- Industrial systems

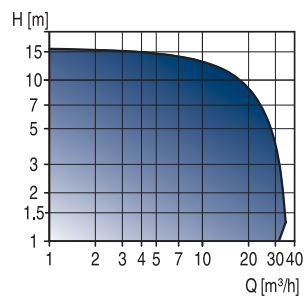
Features and benefits

- Optimal water supply
- Reduced number of pump starts
- Ideal for drinking water



KP, AP, AP35B, AP50B - stainless steel

Drainage pumps



Technical data

Flow, Q: max. 35 m³/h
Head, H: max. 16 m
Liquid temp.: 0°C to +55°C
Particle size: max. ø50 mm

Applications

The pumps are suitable for

- Drainage of flooded cellars
- Pumping of household wastewater
- Groundwater lowering
- Emptying of swimming-pools and excavations
- Drainage of drain wells
- Emptying of tanks and reservoirs

Features and benefits

- Simple installation
- Service- and maintenance-free

Options

- AP35B and AP50B are suitable for installation on auto-coupling



Sololift+

Small lifting stations

Applications

Sololift+ can be used for :

- extra bathrooms
- basement installations
- low-cost bathrooms in holiday cottages
- added facilities in hotels and guest-houses
- bathrooms for the elderly or the disabled
- renovation of offices and other commercial buildings.

Features and benefits

- Unique design with smooth line and rounded edges - fits every modern bathroom environment
- Plug-and-go product - all you need in one package
- Low noise level
- Discharge pipe connection in the side ensures easy maintenance
- Flexible discharge pipe adapters for outer pipe diameters of ø23, ø25, ø28 and ø32 mm
- Thermal overload switch
- Cover without screws - easy service
- Easy connection of extra sanitary appliances

CWC-3

- Especially designed for wall-hung toilets
- Compact and slim for easy integration into the wall

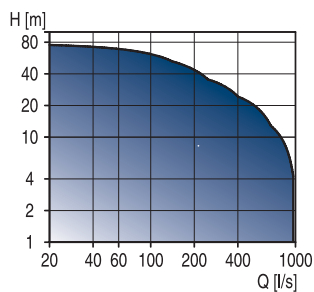
C-3

- Especially designed for high liquid temperature wastewater from washing machine or dishwasher
- Compact and slim for easy installation under a washbasin or in a closet



S pumps

Supervortex pumps, single- or multichannel impeller pumps



Technical data

Flow, Q: max. 965 l/s
 Head, H: max. 80 m
 Liquid temp.: 0°C to +40°C
 Discharge diameter: DN 80 to DN 500
 Particle size: max. \varnothing 145 mm

Applications

The pumps are suitable for the following applications

- Transfer of wastewater
- Transfer of raw water
- Pumping of sludge-containing water
- Pumping of industrial effluent

Features and benefits

- Wide range
- SmartTrim
- Operation with/without cooling jacket
- Submerged or dry installation
- Different types of impellers
- Built-in motor protection

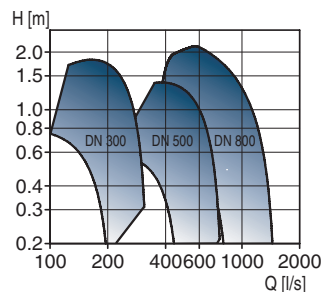
Options

- Control and protection systems
- External cooling water
- External seal flush system



SRP pumps

Submersible re-circulation pumps



Technical data

Flow, Q: max. 1350 l/s
 (4860 m³/h)
 Head, H: max. 2.1 m
 Liquid temp.: 5°C to +40°C
 Column pipe diameter: DN300, DN500 and DN800

Applications

The pumps are suitable for the following applications

- Transfer of raw water
- Re-circulation of sludge within sewage treatment plants
- Storm water pumping
- Irrigation
- Industrial applications

Features and benefits

- High efficiency stainless steel propeller
- Totally submerged installations
- Built-in motor protection
- Flexibility of installation

Options

- Control and protection systems

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