

GRUNDFOS A WIDE RANGE OF QUALITY PUMPS



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.

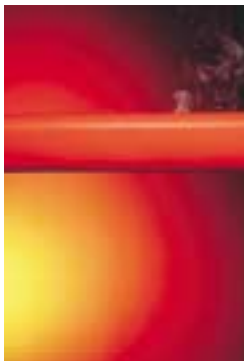
Research and development make use of the latest technology within the pump industry, collaborating with universities and higher education institutions in search of new and better solutions for the design and function of the products.

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 energy-saving 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.



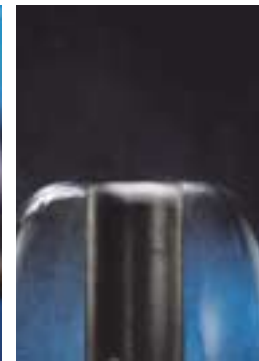
Industrial applications

A wide range of multistage 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 pumps for groundwater supply, irrigation and groundwater lowering.



Domestic water supply

Submersible pumps, jet pumps, multi-stage 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.



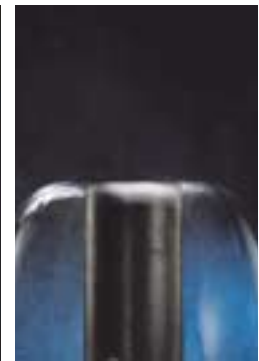
Environmental applications

Purpose-built submersible pumps for remedial pumping of contaminated groundwater and for groundwater 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

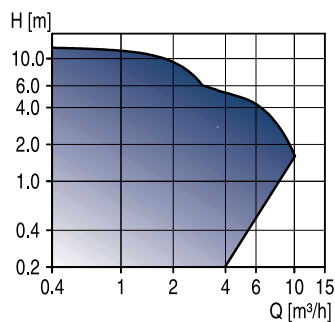
Product name	Page	Product type	Application										
			Heating and hot water service systems	Cooling and air-conditioning systems	Industrial applications	Pressure boosting and liquid transfer	Groundwater supply	Domestic water supply	Sewage and wastewater	Environmental applications	Dosing	Renewable energy systems	
GRUNDFOS ALPHA	8	Circulator pumps, canned-rotor type	●	●									
GRUNDFOS COMFORT	8		●	●									
UPS Series 100	8		●	●									
UPS Series 200	8		●	●									
UPE Series 2000	9		●										
TP	9	Circulator pumps, close-coupled type	●	●									
LM, LP, CLM	9	Single-stage centrifugal pumps	●	●	●	●							
TPE Series 2000	10		●	●									
TPE, LME, LPE, CLME	10		●	●	●	●							
Delta Control 2000	11	Controllers	●	●									
NM, NP, DNM, DNP	11	Single-stage standard pumps	●	●	●	●							
NB, NBG	12		●	●	●	●							
NK, NKG	12		●	●	●	●							
NME, NPE, DNME, DNPE	12		●	●	●	●							
NBE	13		●	●	●	●							
NKE	13		●	●	●	●							
SPK, CHK, MTH, CRK, MTR, MTA	13	Multistage centrifugal pumps			●								
SPKE, CRKE	14				●								
DME, DMS, DMM	14	Dosing pumps, diaphragm type			●							●	
GP	15	Swimming-pool pumps			●								
WPU	15	Whirlpool pump units			●								
CHI, CHIU	15	Multistage centrifugal pumps		●	●	●				●			
CHIE	16			●	●	●				●			

Product name	Page	Product type	Application										
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CR, CRI, CRN	16	Multistage centrifugal pumps		●	●	●			●		●		
CRT	17				●	●					●		
CV, CPV, CPH	17			●	●	●							
CRE, CRIE, CRNE	18			●	●	●			●		●		
Hydro Booster sets	18	Pressure boosting systems			●	●		●					
Control 2000	18	Controllers			●	●							
BM, BMB	19	Booster modules			●	●							
BMQ, BMQE-NE	19					●	●						
BME, BMET	19	High-pressure booster modules			●	●							
SQ, SQE	20	3" submersible pumps					●	●					
SP, SP-G	20	4"-6"-8"-10"-12" submersible pumps					●	●					
SQE-NE, SP-NE, MP 1	21	Environmental pumps								●			
SQFlex	22	Water supply systems										●	
JP	22	Self-priming jet pumps						●					
CH, CHN	23	Multistage centrifugal pumps			●	●		●					
MQ	23					●		●					
CHV	23					●	●		●				
CHV booster	24	Pressure boosting systems			●	●		●					
Tanks	24	Diaphragm and bladder tanks			●			●					
KP, AP - stainless steel	24	Drainage pumps							●				
AP, APG - cast iron	25	Effluent and sewage pumps							●				
DW	25	Contractor pumps							●				
Lifting stations	25	Complete pumping stations							●				
S, SA, SEN pumps	26	Effluent and sewage pumps							●				



GRUNDFOS ALPHA UPS, UP Series 100

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 10 m ³ /h
Head, H:	max. 12 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

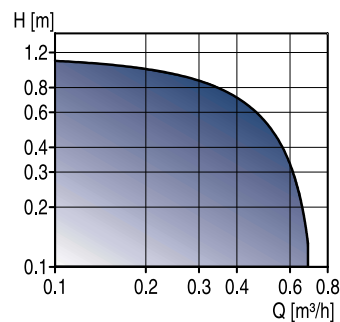
Optional

- Automatic performance adjustment
- Simple installation - external plug for electrical connection
- Single-speed or 2- or 3-speed performance adjustment
- Twin-head versions



GRUNDFOS COMFORT UP-N, UP-B Series 100

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 0.68 m ³ /h
Head, H:	max. 1.1 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

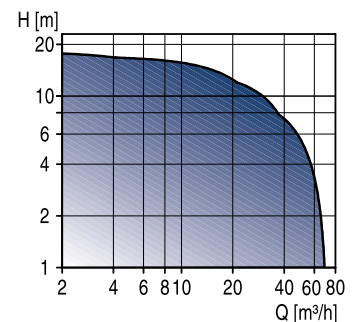
Optional

- 24-hour timer
- Adjustable thermostat



UPS Series 200

Circulator pumps, canned-rotor type



Technical data

Flow, Q:	max. 70 m ³ /h
Head, H:	max. 18 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

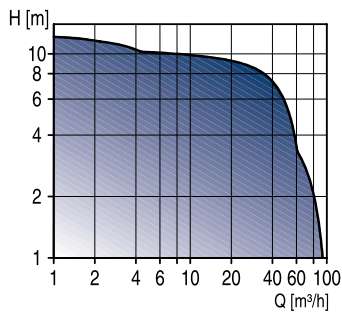
Optional

- Protection module
- Relay module with fault signal or operating output
- Bronze pump housing
- Twin-head versions
- Communication via GENibus or LON



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

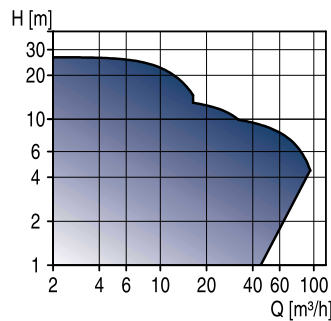
Optional

- 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. 95 m³/h
 Head, H: max. 27 m
 Liquid temp.: - 25°C to +140°C
 Operat. pres.: max. 16 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

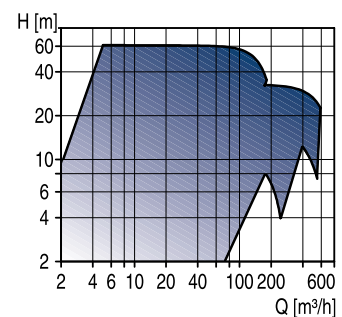
Optional

- Bronze pump housing
- Twin-head versions



LM, LP, CLM

Single-stage centrifugal pumps



Technical data

Flow, Q: max. 600 m³/h
 Head, H: max. 60 m
 Liquid temp.: - 40°C to +140°C
 Operat. pres.: max. 20 bar

Applications

The pumps are suitable for liquid transfer in

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

Features and benefits

- Adaptable to any application and performance
- DIN 24 960 shaft seal
- Wide range
- Standard motor
- Service-friendly

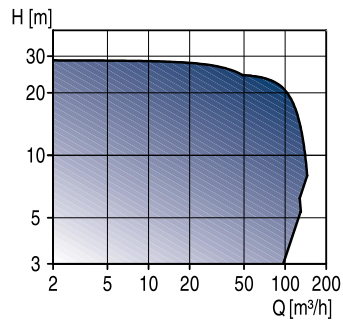
Optional

- Various types of shaft seals depending on liquid, temperature and pressure
- Twin-head versions
- Bronze impeller (CLM only)



TPE Series 2000

Single-stage, centrifugal pumps - electronically controlled



Technical data

Flow, Q:	max. 130 m ³ /h
Head, H:	max. 28 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

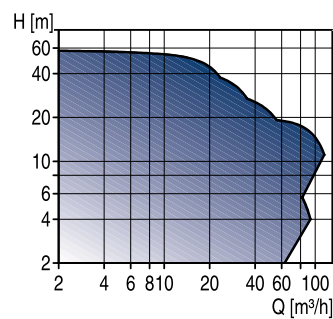
Optional

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



LME, LPE, CLME, TPE

Single-stage, centrifugal pumps - electronically controlled



Technical data

Flow, Q:	max. 160 m ³ /h
Head, H:	max. 60 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
- 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
Incl. 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

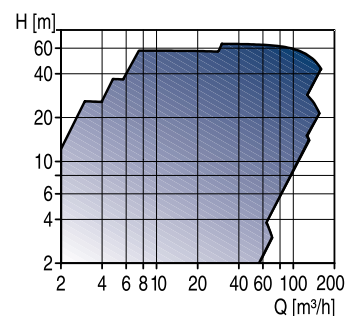
Optional

- External communication



NM, NP, DNM, DNP

Single-stage standard pumps



Technical data

Flow, Q:	max. 160 m ³ /h
Head, H:	max. 62 m
Liquid temp.:	- 25°C to +140°C
Operat. pres.:	max. 16 bar

Applications

The pumps are suitable for liquid transfer in

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

Features and benefits

- Standard dimensions according to ISO or DIN standards
- Compact design
- Flexible pump range
- Standard motor
- Adaptable to any application and performance
- DIN 24 960 shaft seal

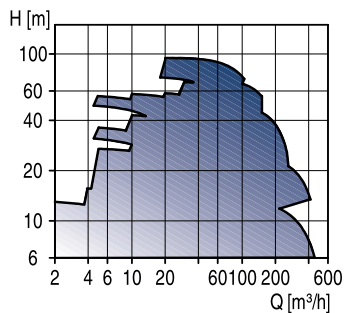
Optional

- Various types of shaft seal depending on liquid, temperature and pressure



NB, NBG

Single-stage standard pumps



Technical data

Flow, Q:	max. 460 m ³ /h
Head, H:	max. 96 m
Liquid temp.:	- 10°C to +140°C
Operat. pres.:	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
- DIN 24 960 shaft seal

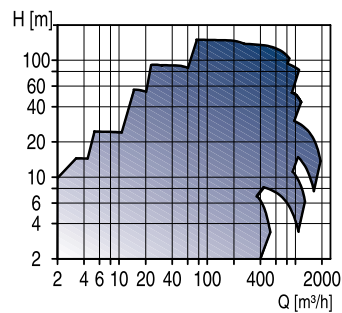
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron or bronze impeller



NK, NKG

Single-stage standard pumps



Technical data

Flow, Q:	max. 2000 m ³ /h
Head, H:	max. 150 m
Liquid temp.:	- 10°C to +140°C
Operat. pres.:	max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- District heating
- Water supply
- Airconditioning
- Cooling plants
- Industry
- Fire fighting
- Environment engineering

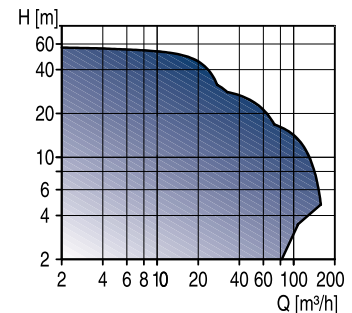
Features and benefits

- Standard dimensions according to EN or ISO standards
- Wide range
- Robust design
- Heavy-duty
- Flexible motor range



NME, NPE, DNME, DNPE

Single-stage standard pumps - electronically controlled



Technical data

Flow, Q:	max. 157 m ³ /h
Head, H:	max. 57 m
Liquid temp.:	- 25°C to +140°C
Operat. pres.:	max. 16 bar

Applications

The pumps are suitable for liquid transfer in

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

Features and benefits

- Standard dimensions according to ISO or DIN standards
- Compact design
- Flexible range
- Standard motor
- Adaptable to any application and performance
- Many control facilities
- DIN 24 960 shaft seal

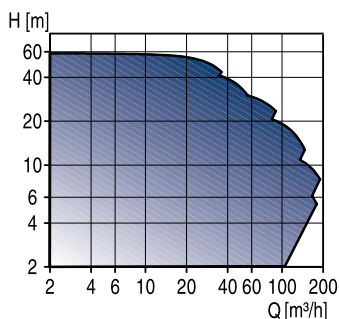
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Wireless remote control, R100



NBE

Single-stage standard pumps - electronically controlled



Technical data

Flow, Q: max. 189 m³/h
 Head, H: max. 58 m
 Liquid temp.: - 10°C to +140°C
 Operat. pres.: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Water supply systems
- District heating plants
- Cooling and air-conditioning systems
- Industrial plants

Features and benefits

- Standard dimensions according to EN standards
- Compact design
- Adaptable to any application and performance
- DIN 24 960 shaft seal
- Many control facilities

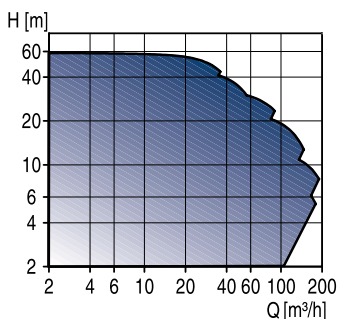
Optional

- Various types of shaft seal depending on liquid, temperature and pressure
- Cast iron or bronze impeller
- Wireless remote control, R100



NKE

Single-stage standard pumps - electronically controlled



Technical data

Flow, Q: max. 190 m³/h
 Head, H: max. 59 m
 Liquid temp.: - 40°C to +160°C
 Operat. pres.: max. 16 bar

Applications

The pumps are suitable for liquid transfer in

- Washing systems
- Water supply systems
- District heating plants
- Cooling and air-conditioning systems
- Industrial plants

Features and benefits

- Standard dimensions according to DIN standards
- Wide range
- Robust design
- Heavy-duty
- Many control facilities

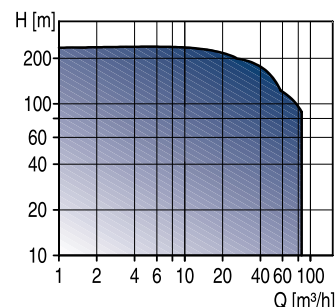
Optional

- Wireless remote control, R100



SPK, CHK, MTH, CRK, MTR, MTA

Multistage centrifugal immersible pumps



Technical data

Flow, Q: max. 85 m³/h
 Head, H: max. 238 m
 Liquid temp.: - 20°C to +90°C
 Operat. pres.: max. 25 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

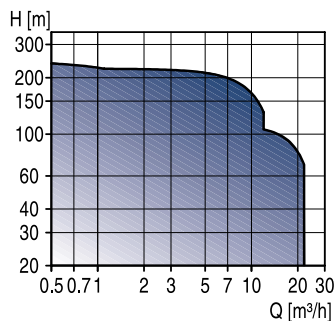
Features and benefits

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



SPKE, CRKE

Multistage centrifugal immersible pumps
- electronically controlled



Technical data

Flow, Q:	max. 22 m ³ /h
Head, H:	max. 245 m
Liquid temp.:	- 10°C to +90°C
Operat. pres.:	max. 25 bar

Applications

The pumps are suitable for

- Boiler feeding
- Pumping of cooling lubricants
- Water treatment

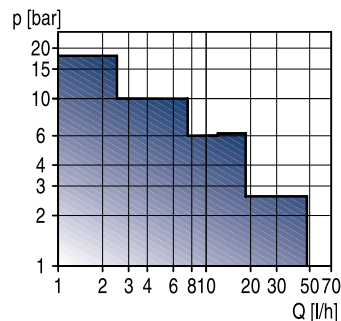
Features and benefits

- Wide range
- Reliability
- Wireless remote control, R100



DME, DMS

Compact diaphragm dosing pumps



Technical data

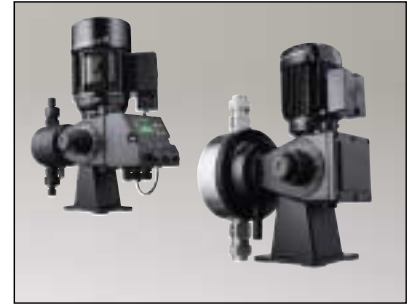
Capacity, Q:	max. 48 l/h
Pressure, p:	max. 18 bar
Liquid temp.:	max. +50°C

Applications

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

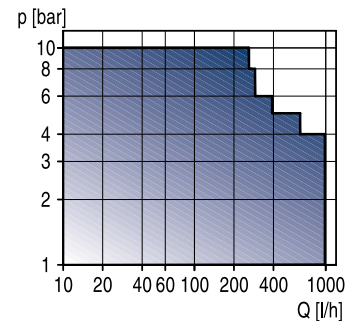
Features and benefits

- Precise capacity setting directly in ml or l
- Stepper or synchronous motor drive
- 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)



DMM

Motor-driven 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

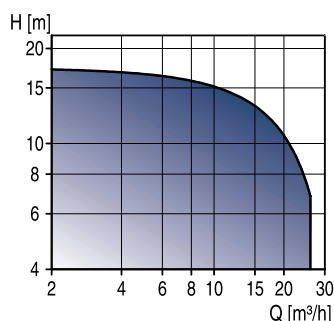
Features and benefits

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



GP

Swimming-pool pumps



Technical data

Flow, Q: max. 26 m³/h
 Head, H: max. 17.5 m
 Liquid temp.: - 0°C to +40°C
 Operat. pres.: max. 3 bar

Applications

The pumps are suitable for

- Circulation of swimming-pool water in small and medium sized swimming-pools

Features and benefits

- Built-in motor protection
- Stainless steel shaft
- Low sound level
- Self-priming down to 2 m
- Corrosion resistant materials
- No need for special service tools
- Quick and easy to repair

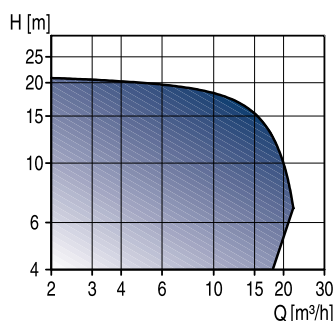
Optional

- Integrated heating unit
- Level sensor
- Control panels



WPU

Whirlpool pump units



Technical data

Flow, Q: max. 22 m³/h
 Head, H: max. 21 m
 Liquid temp.: 0°C to +40°C
 Operat. pres.: max. 2.5 bar

Applications

The pumps are suitable for

- Spa and whirlpool baths
- Therapeutic baths

Features and benefits

- Wide operating range
- All-in-one, compact and robust design
- Programming and monitoring via PC
- Connection for external control panel
- Speed controlled motor provides advanced water pulsation
- Dry-running and thermal overload protection
- Excess heat from motor cooling directed to bath water

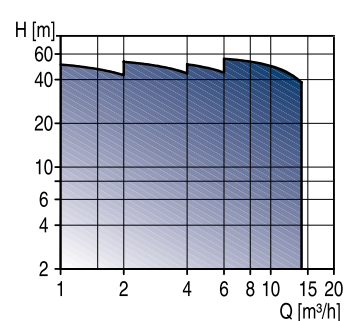
Optional

- Integrated heating unit
- Level sensor
- Control panels



CHI, CHIU

Multistage centrifugal pumps



Technical data

Flow, Q: max. 14 m³/h
 Head, H: max. 57 m
 Liquid temp.: - 15°C to +110°C
 Operat. pres.: max. 10 bar

Applications

The pumps are suitable for liquid transfer in

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

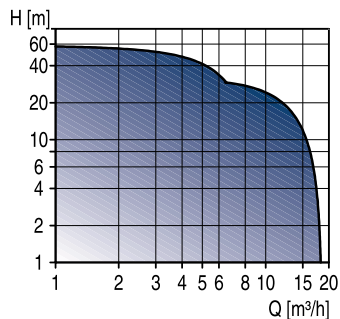
Features and benefits

- 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. 18 m ³ /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

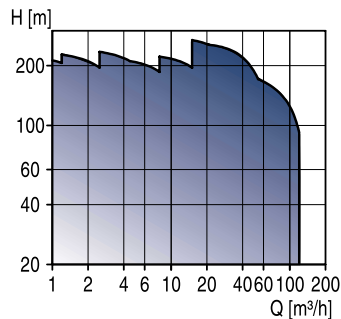
Optional

- Wireless remote control, R100



CR, CRI, CRN

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 120 m ³ /h
Head, H:	max. 270 m
Liquid temp.:	- 40°C to +180°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
- High efficiency
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids

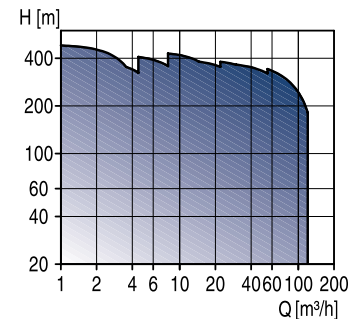
Optional

- Dry-running protection and motor protection via LiqTec



CR, CRN high pressure

Multistage centrifugal pumps



Technical data

Flow, Q:	max. 120 m ³ /h
Head, H:	max. 480 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

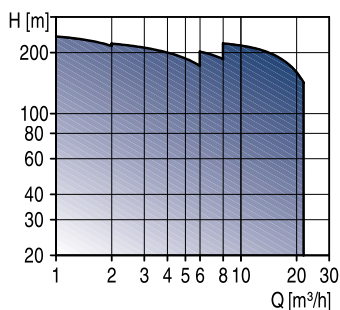
Optional

- Dry-running protection and motor protection via LiqTec



CRT

Multistage centrifugal pumps



Technical data

Flow, Q: max. 26 m³/h
 Head, H: max. 270 m
 Liquid temp.: - 20°C to +120°C
 Operat. pres.: max. 25 bar

Applications

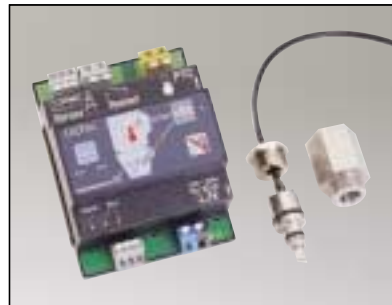
- The pumps are suitable for liquid transfer in
- Process water systems
 - Washing in cleaning systems
 - Sea water systems
 - Pumping of acids and alkalis
 - Ultra filtration systems
 - Reverse osmosis systems
 - Swimming baths

Features and benefits

- High corrosion resistance
- Reliability
- High efficiency
- Service-friendly
- Space-saving

Optional

- Dry-running protection and motor protection via LiqTec



LiqTec

Control and monitoring unit

Applications

- Monitoring and protection of pumps and processes

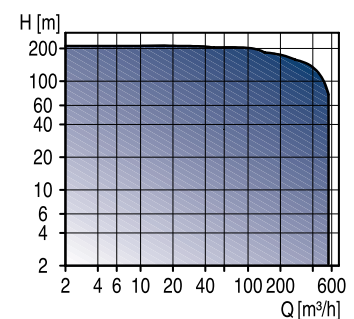
Features and benefits

- 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. 560 m³/h
 Head, H: max. 200 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

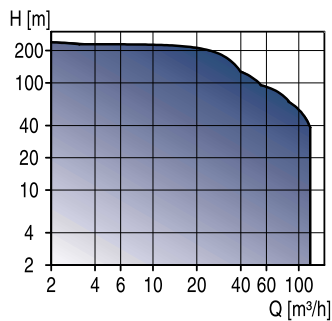
Features and benefits

- 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. 120 m ³ /h
Head, H:	max. 240 m
Liquid temp.:	- 30°C to +150°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

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

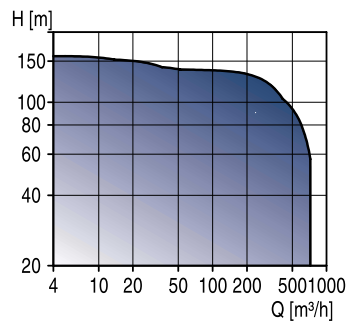
Optional

- Wireless remote control, R100



Hydro 2000, Hydro 1000 Hydro Solo, Hydro Multi-E

Complete pressure boosting systems



Technical data

Flow, Q:	max. 720 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

Optional

- 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

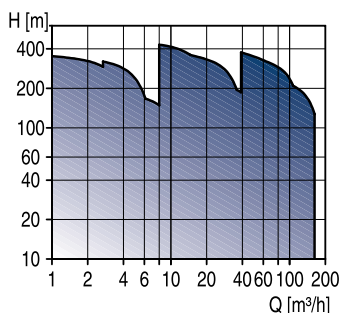
Optional

- External communication



BM, BMB

4"-6"-8" booster modules



Technical data

Flow, Q: max. 260 m³/h
 Head, H: max. 470 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

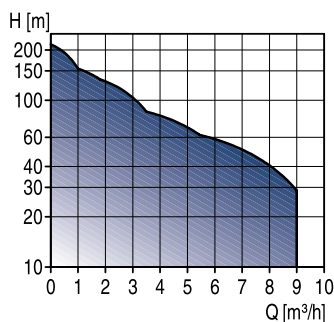
Features and benefits

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



BMQ, BMQE-NE

3" booster modules



Technical data

Flow, Q: max. 9 m³/h
 Head, H: max. 215 m
 Liquid temp.: 0°C to +40°C
 Operat. pres.: max. 30 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

- Simple installation
- Modular design
- Compact design
- Integrated dry-running protection
- Soft start
- Over- and undervoltage protection

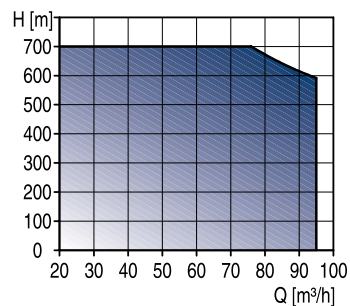
Optional

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



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

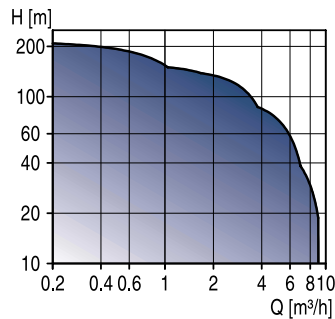
Features and benefits

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



SQ, SQE

3" submersible pumps



Technical data

Flow, Q:	max. 9 m ³ /h
Head, H:	max. 210 m
Liquid temp.:	0°C to +40°C
Instal. depth:	max. 150 m

Applications

The pumps are suitable for

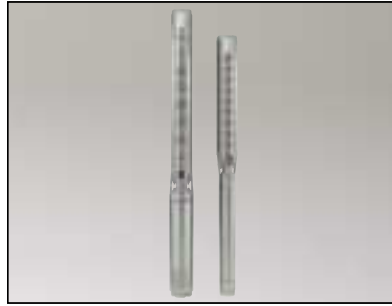
- Domestic water supply
- Groundwater supply to waterworks
- Irrigation in horticulture and agriculture
- Groundwater lowering
- Industrial applications

Features and benefits

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

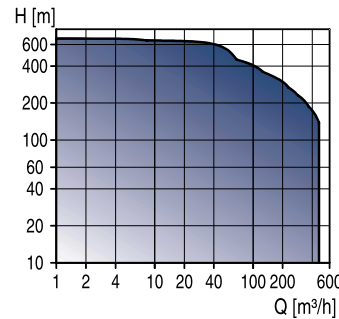
Optional

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



SP A, SP, SP-G

4"-6"-8"-10"-12" submersible pumps



Technical data

Flow, Q:	max. 470 m ³ /h
Head, H:	max. 670 m
Liquid temp.:	0°C to +60°C
Instal. 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

Optional

- 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

Optional

- Material variants available



MMS motors

Stainless steel 6",8",10",12" rewindable submersible motors.

Motor sizes

6" motor:	3.7 to 37 kW
8" motor:	22 to 110 kW
10" motor:	75 to 190 kW
12" motor:	147 to 250 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

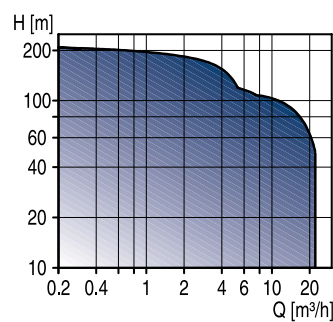
Optional

- Material variants available
- PA windings
- Mechanical shaft seal SiC/SiC
- Overtemperature protection via Pt100



SQE-NE, SP-NE

Environmental pumps



Technical data

Flow, Q:	max. 22 m ³ /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

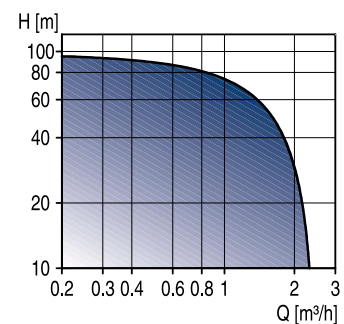
SP-NE

- Same features and benefits as SP



MP 1

Environmental pumps



Technical data

Flow, Q:	max. 2.4 m ³ /h
Head, H:	max. 95 m
Liquid temp.:	0°C to +35°C

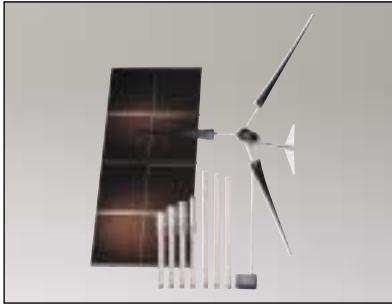
Applications

The pumps are suitable for

- Sampling

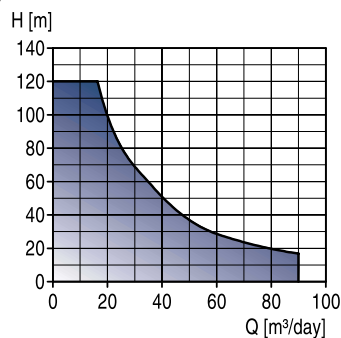
Features and benefits

- Compact design
- Fit into 50 mm boreholes



SQFlex

Renewable-energy based water supply systems



Technical data

Flow, Q:	max. 90 m ³ /day
Head, H:	max. 120 m
Liquid temp.:	max. 0°C to +40°C
Voltage supply:	30-300 VDC or 1 x 90-240 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

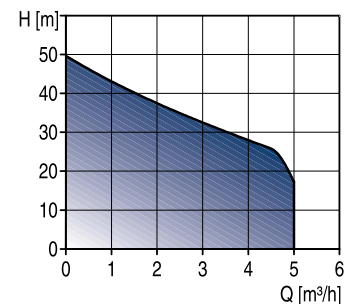
Optional

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



JP

Self-priming jet pumps



Technical data

Flow, Q:	max. 5 m ³ /h
Head, H:	max. 48 m
Liquid temp.:	0°C to +55°C
Operat. pres.:	max. 6 bar

Applications

The pumps are suitable for liquid transfer in

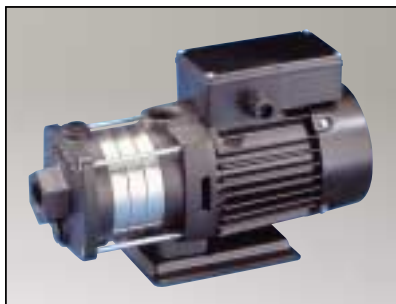
- Households
- Gardens
- Hobby activities
- Agriculture
- Horticulture
- Small industries

Features and benefits

- Self-priming
- Stable operation even in case of air pockets in the liquid

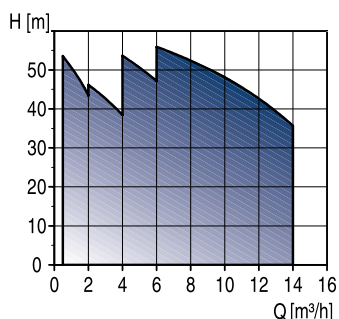
Optional

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



CH, CHN

Multistage centrifugal pumps



Technical data

Flow, Q: max. 14 m³/h
 Head, H: max. 55 m
 Liquid temp.: 0°C to +90°C
 Operat. pres.: max. 10 bar

Applications

The pumps are suitable for liquid transfer in

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

Features and benefits

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

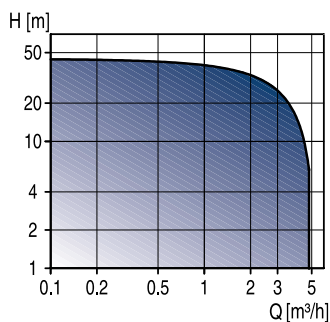
Optional

- 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. 48 m
 Liquid temp.: 0°C to +35°C
 Operat. pres.: max. 7.5 bar

Applications

The pumps are suitable for liquid transfer in

- Private homes
- Holiday cottages
- Farms
- Green houses

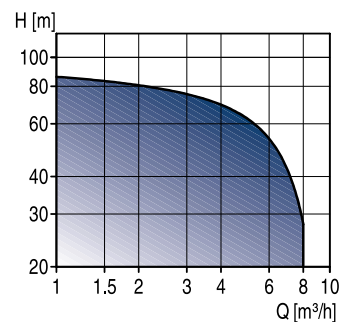
Features and benefits

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



CHV

Multistage centrifugal pumps



Technical data

Flow, Q: max. 8 m³/h
 Head, H: max. 93 m
 Liquid temp.: 0°C to +90°C
 Operat. pres.: max. 12 bar

Applications

The pumps are suitable for liquid transfer in

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

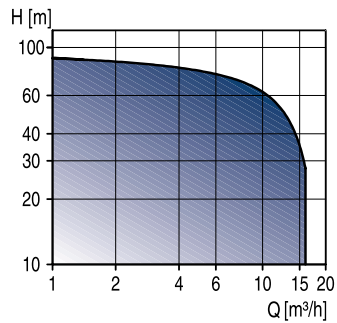
Features and benefits

- Compact design
- Robust design
- Low noise
- Space-saving



CHV booster

Vertical pressure booster systems



Technical data

Flow, Q: max. 16 m³/h
 Head, H: max. 93 m
 Liquid temp.: 0°C to +40°C
 Operat. pres.: max. 10 bar

Applications

The booster systems are suitable for pressure boosting in

- Small waterworks
- Small blocks of flats
- Hotels
- Stores
- Light industry
- Hospitals
- Schools
- Large houses

Features and benefits

- One- or two-pump system
- User-friendly controllers
- Reliability
- High efficiency
- Service-friendly

Optional

- Overpressure protection
- Dry-running protection



Tanks

Diaphragm and bladder tanks

Technical data

Tank size: 19-1000 l
 Liquid temp.: max. +70°C
 Operat. pres.: max. 7 bar

Applications

The diaphragm and bladder tanks are used in

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

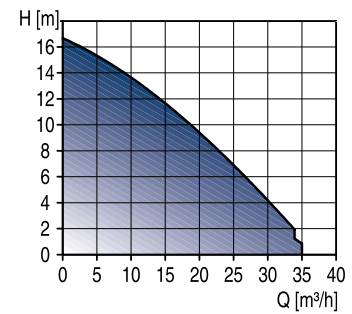
Features and benefits

- 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. 18 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

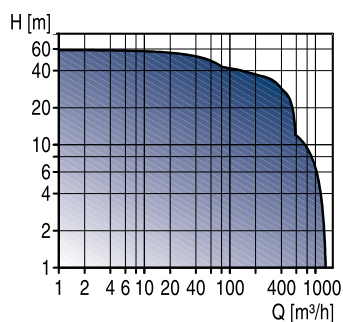
Optional

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



AP, APG - cast iron

Effluent and sewage pumps



Technical data

Flow, Q: max. 1320 m³/h
 Head, H: max. 67 m
 Liquid temp.: 0°C to +40°C
 Particle size: max. ø130 mm

Applications

The pumps are suitable for

- Pumping large quantities of effluent and sewage water
- Liquid transfer in general

Features and benefits

- Wide range
- Service-friendly
- Wide field of applications
- Various types of impellers

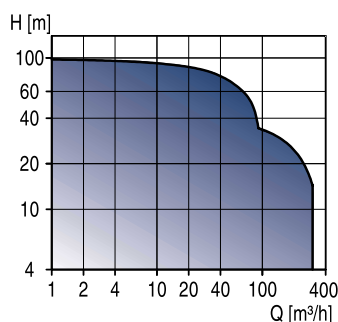
Optional

- Various fittings
- Controllers for level control monitoring and protection of the pumps.



DW

Contractor pumps



Technical data

Flow, Q: max. 360 m³/h
 Head, H: max. 100 m
 Liquid temp.: 0°C to +40°C

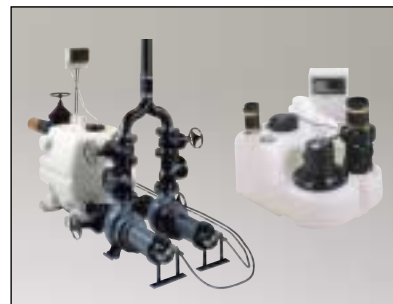
Applications

The pumps are suitable for liquid transfer in

- Tunnels
- Mines
- Quarries
- Gravel pits
- Fish ponds
- Building sites

Features and benefits

- Extremely hard-wearing due to specially selected materials
- Simple installation
- Service-friendly



Lifting stations

Complete pumping stations

Applications

The lifting stations are suitable for use in

- Single- and multi-family houses
- Weekend cottages and summer houses
- Restaurants
- Small hotels
- Sewage systems in the open country
- Percolation systems

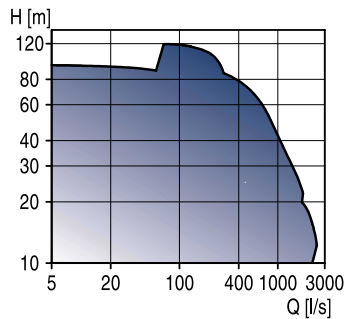
Features and benefits

- Ready for installation
- Maintenance-free
- Flexible pipe connection



S pumps

Supervortex pumps, single- or multi-channel impeller pumps



Technical data

Flow, Q:	max. 2500 l/s (9000 m ³ /h)
Head, H:	max. 120 m
Liquid temp.:	0°C to +40°C
Discharge diameter:	DN 80 to DN 800

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

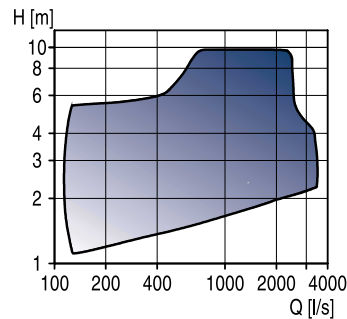
Optional

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



SA pumps

Submersible axial-flow pumps



Technical data

Flow, Q:	max. 3500 l/s (12600 m ³ /h)
Head, H:	max. 9 m
Liquid temp.:	0°C to +40°C
Column pipe diameter:	700 to 1400 mm

Applications

The pumps are suitable for the following applications

- Transfer of raw water
- Pumping of water from sewage treatment plants
- Storm water pumping
- Irrigation
- Pumping of water in marine installations
- Industrial applications

Features and benefits

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

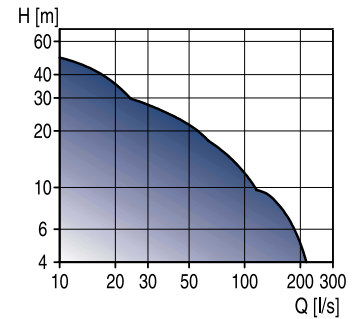
Optional

- Control and protection systems
- Motor operation control



SEN

Submersible stainless steel pumps



Technical data

Flow, Q:	max. 215 l/s (774 m ³ /h)
Head, H:	max. 50 m
Liquid temp.:	0°C to +40°C
Discharge diameter:	DN 80 to DN 250

Applications

The pumps are suitable for the following applications

- Transfer of wastewater and raw water
- Pumping of highly aggressive liquids
- Pulp and paper industries

Features and benefits

- Smart Trim
- Operation with/without cooling jacket
- Submerged or dry installation
- Different types of impellers
- Built-in motor protection
- Various executions in stainless steel
- Liquids with a pH value between 2 and 14

Optional

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

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