





BE >

BE responsible

Being responsible is our foundation. We know that we have a responsibility towards the people who are Grundfos, towards the innovative soul of Grundfos as well as towards the surrounding world. Whatever we do, we make sure that we have a firm and sustainable basis for doing it.



THINK >

THINK ahead

Thinking ahead makes the innovations possible. We encourage a certain Grundfos way of thinking which is founded upon the belief that everyone must contribute by using his or her judgement and foresight. We are looking for commitment and ideas in everything we do in order to make the best solutions. We think – and then we act.

INNOVATE >

INNOVATE

Innovation is the essence.

It is the innovations that make Grundfos unique. We stand out because of our ability to constantly create new solutions to the ever-changing demands of the pump business. We meet every challenge and we are never afraid of taking the initiative – remaining true to our ideals calls for renewal. Innovation is the soul of Grundfos.





Technology and business development center at Group headquarters in Denmark

A global business

With over 12,000 employees worldwide, and annual production of 10 million pump units per year, Grundfos is one of the world's leading pump manufacturers. Over 60 Grundfos Companies around the globe help bring pumps to every corner of the world, supplying drinking water to Antarctic expeditions, irrigating Dutch tulips, monitoring groundwater beneath waste heaps in Germany, and air conditioning Egyptian hotels.

Efficient, sustainable products

Grundfos is constantly striving to make its products more user-friendly and reliable as well as energy-saving and efficient. Our pumps are equipped with ultra-modern electronics allowing output to be regulated according to current needs. This ensures convenience for the end-user, saves a great deal of energy and, in turn, benefits the environment.

Research and development

In order to maintain its market position, Grundfos takes customer research to heart when improving or developing



new products. Our Research and Development department makes use of the latest technology within the pump industry in search of new and better solutions for the design and function of our pump solutions.

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, utilized and removed as wastewater with the help of Grundfos pumps.

IT IS OUR MISSION – the basis of our existence – to successfully develop, produce, and sell high quality pumps and pumping systems worldwide, contributing to a better quality of life and a healthier environment.

Grundfos North America



Fresno, California



Olathe, Kansas



Monterrey, Mexico



Allentown, Pennsylvania

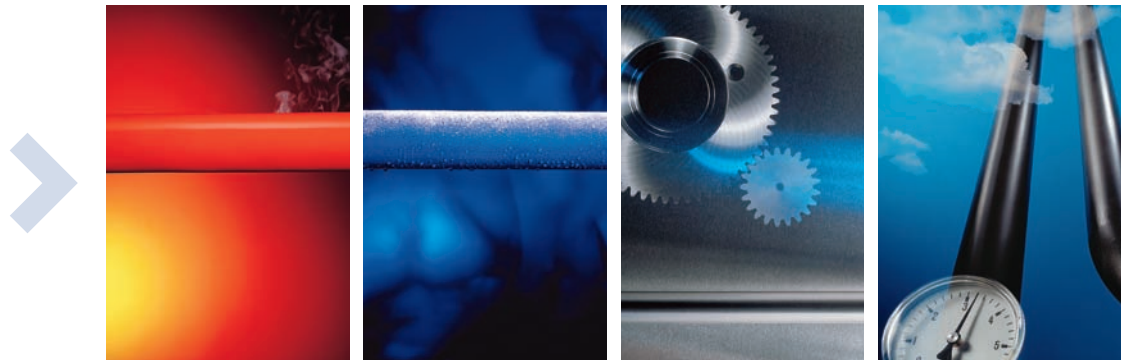


Oakville, Canada

- North American headquarters in Olathe, Kansas
- Manufacturing in Fresno, California
- Service, distribution and light assembly in Allentown, Pennsylvania
- Sales and assembly located in Canada and Mexico

Pumps for all purposes

Grundfos offers high quality products for efficient, energy-saving pump solutions.



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.

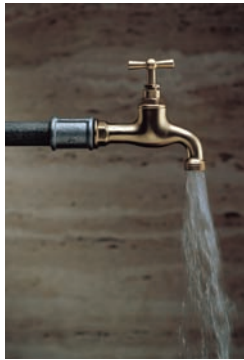
Pressure boosting and liquid transfer

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 de-watering.



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, sump, effluent and sewage pumps for a wide range of applications in building services.



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 process industries.

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
Comfort System	10	Instant hot water recirculation kit	●								
Small UP, UPS	10	Circulator pumps, wet-rotor type	●	●							
VersaFlo® UP, UPS	11	Circulator pumps, wet-rotor type	●	●							
VersaFlo® TP	11	Circulator pumps	●	●							
LM, LP	11	Single-stage In-line centrifugal pumps	●	●	●	●					
DME, DMS	12	Dosing pumps, diaphragm type			●						●
DME 60, 150	12	Large Dosing pumps, diaphragm type			●						●
MTA, MTC, CRK, MTR, SPK	12	Multistage centrifugal pumps			●						
CHI	13	Multistage centrifugal pumps	●	●	●	●		●		●	
CHIE	13	Multistage centrifugal pumps	●	●	●	●		●		●	
CH, CHN	13	Multistage centrifugal pumps			●	●		●			
CR, CRI, CRN	14	Multistage centrifugal pumps	●	●	●	●		●		●	
CR High Pressure	14	Multistage centrifugal pumps		●	●	●		●		●	
CRT	14	Multistage centrifugal pumps			●	●				●	
CRE, CRIE, CRNE	15	Multistage centrifugal pumps	●	●	●	●		●		●	
BoosterPaQ®	15	Pressure boosting systems			●	●		●			
HS	15	Single-stage end suction pumps	●	●	●	●					

PRODUCT AND APPLICATION OVERVIEW

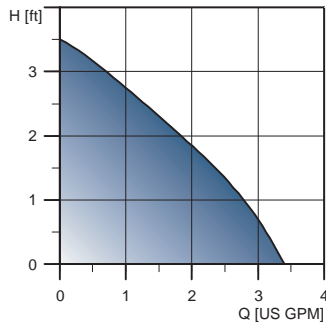
Product name	Page	Product type	Application								
			Heating and hot water service systems	Cooling and air conditioning systems	Industrial applications	Pressure boosting and liquid transfer	Groundwater supply	Domestic water supply	Sewage and wastewater	Environmental applications	Dosing
EZ Boost	16	Constant pressure boosting systems			●	●					
BM, BMB	16	Booster modules			●	●					
BME, BMET	16	High-pressure booster modules			●	●					
SQ, SQE	17	3" submersible pumps					●	●			
SmartFlo SQE	17	Constant water pressure system					●	●			
SP	18	4"-6"-8"-10" submersible pumps					●	●			
MS Motors	18	4"-6" submersible motors				●	●	●			
Redi-Flo 2 and 4	18	Environmental pumps								●	
Redi-Flo 3	19	Environmental pumps								●	
JPF, JPS	19	Self-priming jet pumps						●			
MQ	20	Multistage centrifugal pumps				●		●			
SQFlex	20	Renewable energy submersible pumps					●	●			
SU, KP, AP	21	Sump and utility pumps							●		
SE	21	Sewage pumps							●		
EF	21	Effluent pumps							●		
Sink-paQ and E-paQ	22	Packaged systems							●		
*JPF, JPS Tank Package	22	Packaged systems						●			
*Hydrosolo-E	22	Pressure booster system			●	●		●			
*Hydrosolo-S	23	Pressure booster system			●	●		●			

* Available only in Canada.



Comfort System Hot Water Recirculation Kit

Stainless steel wet-rotor, circulator pumps



Technical data

Flow, Q:	0 to 3.4 gpm
Head, H:	0 to 3.5 ft
Min. fluid temp:	36°F (2°C)
Max. fluid temp:	150°F (66°C)
Motor:	Single phase, 115V
Working press.:	max. 145 psi

Applications

Circulation of hot water in

- Domestic hot water recirculation
- Ideal for retrofit applications
- IAPMO and ANSI/NSF61 listed

Features and benefits

- Maintenance-free
- Low noise
- Low energy
- Wide range
- Corrosion-resistant stainless steel

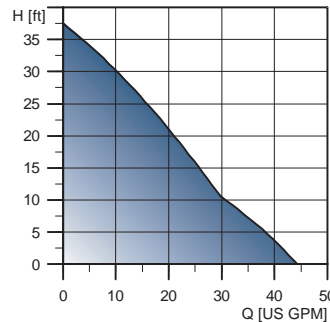
Description

- UP 15-10SU7P, Timer, Line Cord, Check Valve, 115V, Hot Water Tank Fittings and 1 valve
- Additional Comfort Valves are packaged in multiples of 15



Small UP, UPS Closed Systems

Cast iron wet-rotor, in-line, single stage, Circulator pumps



Technical data

Flow, Q:	0 to 46 gpm
Head, H:	0 to 37 ft
Fluid temp. UP15:	min. 36°F (2°C)
Fluid temp. others:	min. 32°F (0°C)
Fluid temp.:	max. 230°F (110°C)
Motor:	2 pole, single phase
Working press.:	max. 145 psi

Applications

Circulation of hot or cold water in

- Heating systems
- Cooling and air conditioning systems

Features and benefits

- Maintenance-free
- Low noise
- Low energy
- Wide range
- Cast iron pump housing

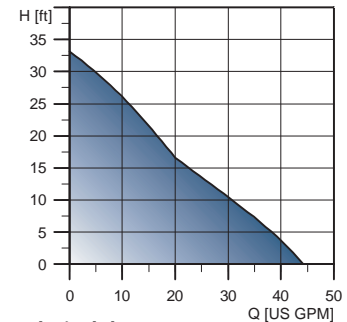
Optional

- 3-speed models
- Variable speed models



Small UP, UPS Open Systems

Stainless steel and bronze wet-rotor, in-line, single stage, circulator pumps



Technical data

Flow, Q:	0 to 46 gpm
Head, H:	0 to 32.5 ft
Fluid temp. UP15:	min. 36°F (2°C)
Fluid temp. others:	min. 32°F (0°C)
Design fluid temp.:	max. 220°F (104°C)
Max. recommended fluid temp. to avoid precipitation of calcium in water:	140°F (60°C)
Motor:	2 pole, single phase
Working press.:	max. 145 psi

Applications

Circulation of hot or cold water in

- Domestic hot water recirculation
- Cooling and air conditioning systems
- Heating systems with non-oxygen barrier tubing

Features and benefits

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

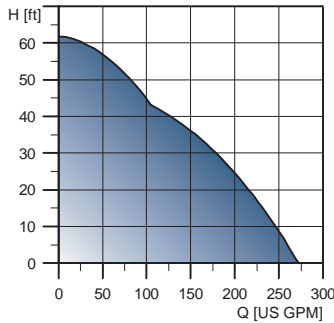
Optional

- 24-hour timer
- Adjustable thermostat



VersaFlo® UP, UPS

Large multi-speed wet-rotor circulators



Technical data

Flow, Q:	9 to 270 gpm
Head, H:	1 to 62 ft
Fluid temp.:	14 to 230°F
Working press.:	max. 145 psi
Ambient temp.:	32° to 104°F
HP range:	1/3 to 3 hp

Applications

- Circulation of liquids in
- Stationary open or closed central and solar heating systems
 - Hot water recirculation systems
 - Cooling and air conditioning systems
 - Snow melt

Features and benefits

- Quiet, maintenance-free motor with internal thermal protection
- Built-in motor protection
- Industry standard flange-to-flange
- Cast iron or bronze

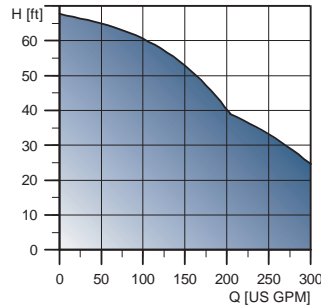
Optional

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



VersaFlo® TP

Close coupled in-line circulators



Technical data

Flow, Q:	8 to 300 gpm
Head, H:	3 to 67.5 ft
Fluid temp.:	5 to 288°F
Working press.:	max. 145 psi
Ambient temp.:	max. 104°F
HP range:	1/3 to 3 hp

Applications

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

Features and benefits

- Cast Iron or bronze
- Stainless steel construction for long life and maintenance-free operation
- Industry standard flange-to-flange
- ODP or TEFC motor flexibility
- Various types of shaft seals depending on liquid, temperature, and pressure

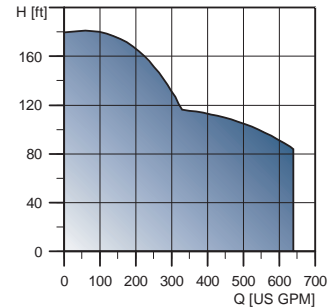
Optional

- Bronze pump housing



LM, LP

Close coupled in-line circulators



Technical data

Flow, Q:	30 to 600 gpm
Head, H:	8 to 180 ft
Fluid temp.:	5 to 250°F
Working press.:	max. 175 psi
Ambient temp.:	max. 104°F
HP range:	3/4 to 20 hp

Applications

The pumps are used for circulation of water in

- Water supply
 - Heating and air conditioning systems
 - Pressure boosting
- Liquid transfer applications in
- Industry
 - Agriculture

Features and benefits

- Maintenance-free with a low starting torque and a high operating efficiency
- Direct-coupled to standard NEMA-C face motor
- 431 stainless steel pump shaft
- High quality stainless steel shaft seal
- Stainless steel impeller

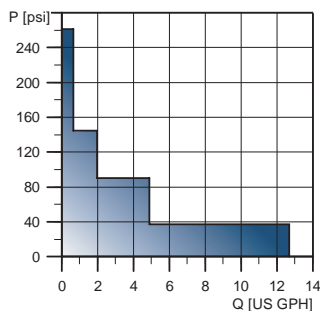
Optional

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



DME, DMS

Compact diaphragm dosing pumps



Technical data

Capacity, Q:	max. 12.68 gph
Pressure, p:	max. 261 psi
Liquid temp.:	max. 122°F

Applications

Injection of chemicals in water and waste water treatment systems, washing systems, swimming pools, and plant processes

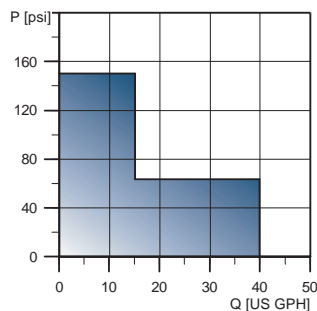
Features and benefits

- Precise capacity setting directly in gph or L/hr
- Stepper (DME) or synchronous (DMS) motor drive
- Full diaphragm control
- Digital setting of exact flow rate required
- Control panel with display and one-touch buttons
- Front- or side-fitted control panel
- Manual/pulse control
- Control panel lock
- 4-20 mA control
- Pulse-based batch control
- Timer-based batch control
- Anti-cavitation function (DME ONLY)
- Easy calibration/easy priming
- Fieldbus communication module (option)
- No stroke length setting
- Optional alarm relay connection



DME 60, 150

Large diaphragm dosing pumps



Technical data

Capacity, Q:	max. 39 gph
Pressure, p:	max. 145 psi
Liquid temp.:	max. 122°F

Applications

Injection of chemicals in water and waste water treatment systems, and plant processes

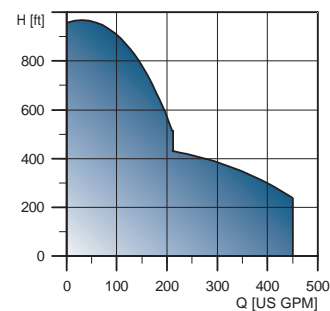
Features and benefits

- Precise digital capacity setting directly in gph or L/hr
- Integral motor for 1:800 turndown
- Switch mode operation 100-240 VAC 50 or 60 hz
- No stroke length adjustment
- Control panel display and one-touch buttons
- Front or side mounted control panel
- Onboard controls available (AR version):
 - Analog 0-20 or 4-20mA
 - Pulse control
 - Time or batch control
 - 4 position suction speed control (anti-cavitation)
 - Optional Fieldbus (Profibus) control
 - Diaphragm leak detection system
 - Alarm relay output standard
 - Level control input
- Easy calibration and priming



MTA, MTC, CRK, MTR, SPK

Multistage centrifugal immersible pumps



Technical data

Flow, Q:	max. 450 gpm
Head, H:	max. 970 ft
Liquid temp.:	- 4°F to +194°F
Working press.:	max. 362 psi

Applications

The pumps are suitable for liquid transfer in

- EDM machine tools
- Grinding machines
- Machining centers
- Cooling units
- Industrial washing machines
- Filtering systems
- Lathes
- Chip conveyors
- Condensate

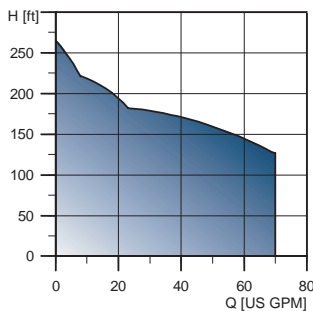
Features and benefits

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



CHI

Multistage centrifugal pumps



Technical data

Flow, Q: max. 70 gpm
 Head, H: max. 265 ft
 Liquid temp.: +5°F to +230°F
 Working press.: max. 145 psi

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)

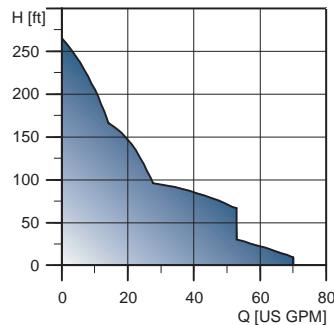
Features and benefits

- Compact design
- Wide range
- Suitable for slightly aggressive liquids
- Low noise



CHIE

Multistage centrifugal pumps - electronically controlled



Technical data

Flow, Q: max. 70 gpm
 Head, H: max. 265 ft
 Liquid temp.: +5°F to +230°F
 Working press.: max. 145 psi

Applications

The pumps are suitable for liquid transfer in

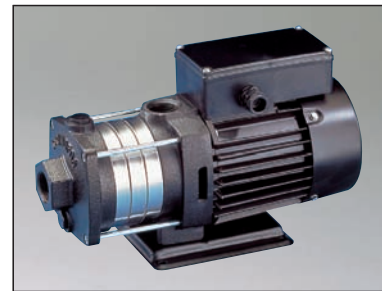
- Cooling systems
- Industrial washing systems
- Aquafarms
- Fertilizer systems
- Dosing systems
- Industrial plants

Features and benefits

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

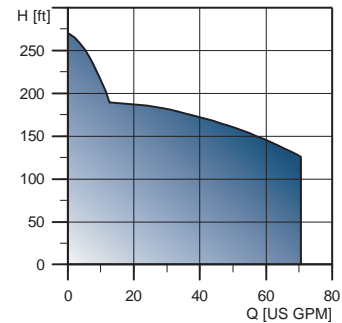
Optional

- Wireless remote control, R100



CH, CHN

Multistage centrifugal pumps



Technical data

Flow, Q: max. 62 gpm
 Head, H: max. 180 ft
 Liquid temp.: +32°F to +194°F
 Working press.: max. 145 psi

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

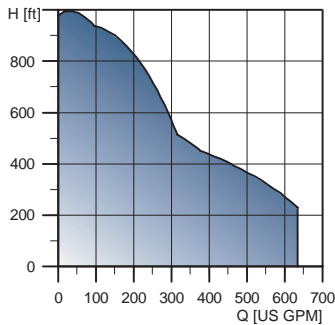
Features and benefits

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



CR, CRI, CRN

Multistage centrifugal pumps



Technical data

Flow, Q: max. 630 gpm
 Head, H: max. 995 ft
 Liquid temp.: - 22°F to +248°F
 Working press.: max. 435 psi

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 feed systems

Features and benefits

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

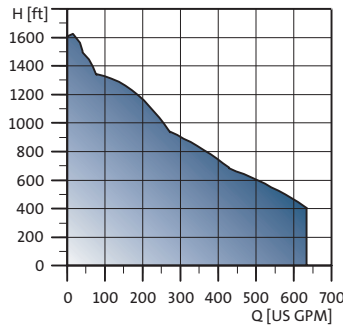
Optional

- Dry-running protection and motor protection via LiqTec™



CR, CRN high pressure

Multistage centrifugal pumps



Technical data

Flow, Q: max. 638 gpm
 Head, H: max. 1588 ft
 Liquid temp.: - 22°F to +248°F
 Working press.: max. 735 psi

Applications

The pumps are suitable for liquid transfer in

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

Features and benefits

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

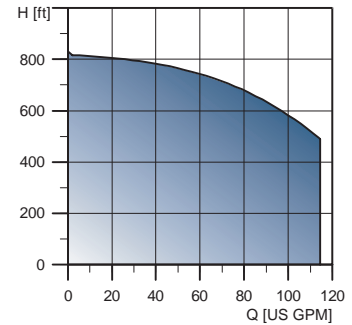
Optional

- Dry-running protection and motor protection via LiqTec™



CRT

Titanium multistage centrifugal pumps



Technical data

Flow, Q: max. 115 gpm
 Head, H: max. 830 ft
 Liquid temp.: - 15°F to +248°F
 Working press.: max. 362 psi

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
- Commercial swimming pools
- Aquariums
- Bleach plants

Features and benefits

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

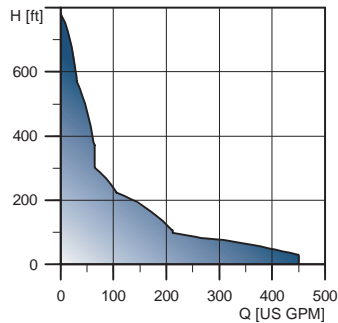
Optional

- Dry-running protection and motor protection via LiqTec™



CRE, CRIE, CRNE

Multistage centrifugal pumps - electronically controlled



Technical data

Flow, Q: max. 450 gpm
 Head, H: max. 790 ft
 Liquid temp.: - 22°F to +248°F
 Working press.: max. 435 psi

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

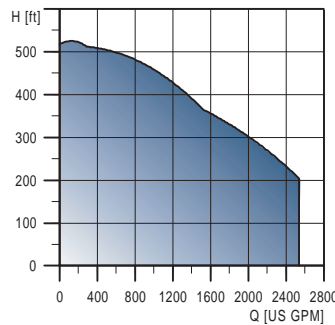
Optional

- Wireless remote control, R100



BoosterpaQ®

Complete pressure boosting systems



Technical data

Flow, Q (4 pump system): max. 2540 gpm
 Flow, Q (6 pump system): max. 3800 gpm
 Head, H: max. 500 ft
 Liquid temp.: +32°F to +176°F
 Working press.: max. 232 psi

Applications

BoosterpaQ systems 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

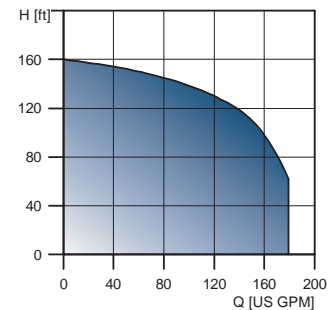
Optional

- External communication, Control 2000



HS

Single-stage end suction pumps



Technical data

Flow, Q: max. 175 gpm
 Head, H: max. 160 ft
 Liquid temp.: max. 180°F continuous
 Working press.: max. 125 psi

Applications

The pumps are suitable for liquid transfer in

- Water circulation
- Pressure boosting
- Filter systems
- Cooling systems
- Water supply
- Other industrial systems

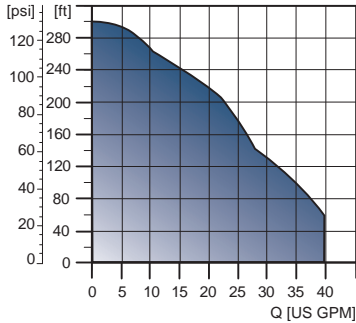
Features and benefits

- Wide range
- Compact design
- Standard motor
- Carbon/ceramic shaft seal
- Bronze impeller



EZ Boost Constant Pressure System

BMQE pump, tank and controller



Technical data

Flow, Q: max. 39 gpm
 Head, H: max. 100 psi
 Liquid temp.: +32°F to +95°F
 Inlet press.: max. 217 psi

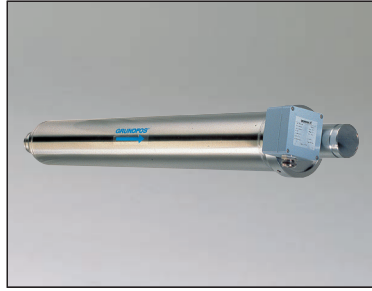
Applications

EZ Boost systems are suitable for pressure boosting in

- Water supply systems
- Irrigation systems
- Water treatment systems

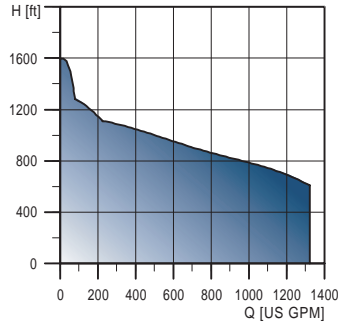
Features and benefits

- Constant water pressure under varying demands
- Simple installation
- High efficiency
- Integrated variable speed
- Soft start
- Integrated dry-running protection
- Overload and over temperature protection



BM, BMB

4"-6"-8" booster modules



Technical data

Flow, Q: max. 1320 gpm
 Head, H: max. 1595 ft
 Liquid temp.: +32°F to +104°F
 Working press.: max. 1160 psi

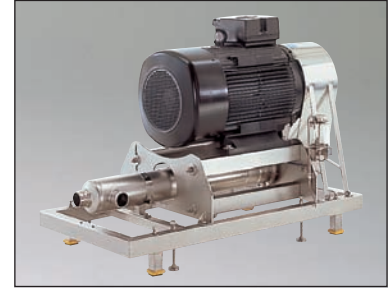
Applications

The booster modules are suitable for pressure boosting in

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

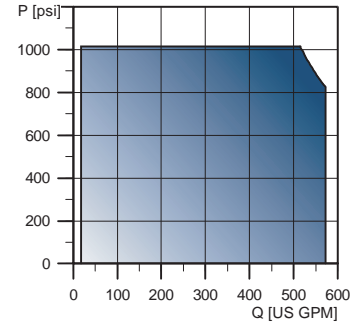
Features and benefits

- Low-noise
- Simple installation
- Modular design
- Compact design
- Sealless



BME, BMET

High-pressure booster systems



Technical data

Flow, Q: max. 570 gpm
 Pressure, p: max. 1015 psi
 Liquid temp.: +32°F to +104°F
 Working press.: max. 1160 psi

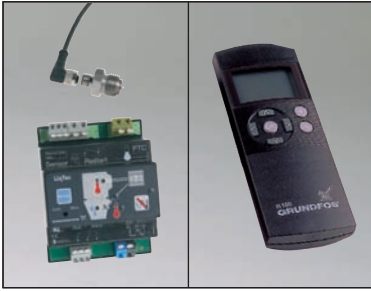
Applications

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



LiqTec™

Control and monitoring unit

Applications

- Monitoring and protection of pumps and processes

Features and benefits

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

Note

- Available for CR only

R100

Wireless remote control

Applications

- All pumps and electronics designed for wireless communication

Features and benefits

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

Note

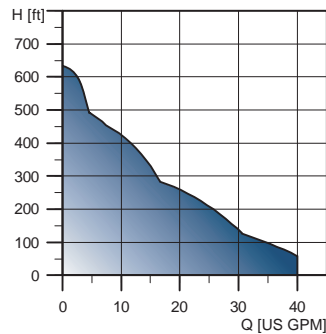
Products that can communicate with the R100:

- SQE, MLE, CRE, CU 300, CU 301, CU 3, Redi-Flo3, CHIE



SQ, SQE

3" submersible pumps



Technical data

Flow, Q:	max. 40 gpm
Head, H:	max. 640 ft
Liquid temp.:	+32°F to +104°F
Instal. depth:	max. 500 ft

Applications

- The pumps are suitable for
- Domestic water supply
 - Irrigation in horticulture and agriculture
 - Groundwater de-watering
 - Industrial applications

Features and benefits

- Integrated dry-running protection
- Soft start
- Over, and undervoltage protection
- High starting torque
- Overload

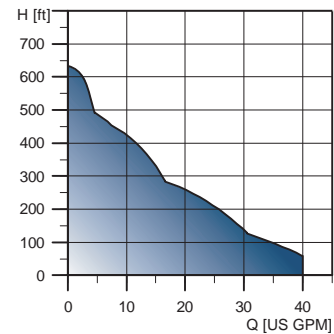
Optional

- SQE can be protected, monitored and controlled via CU 301/300/R100/PC Tool CU 300



SmartFlo SQE Constant Pressure System

SQE pump and CU301 Control Unit



Technical data

Flow, Q:	max. 40 gpm
Head, H:	max. 640 ft
Liquid temp.:	+32°F to +104°F
Instal. depth:	max. 500 ft

Applications

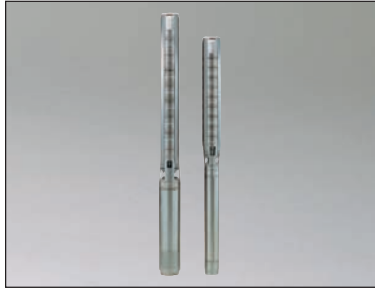
- The pumps are suitable for
- Domestic water supply
 - Irrigation in horticulture and agriculture
 - Groundwater de-watering
 - Industrial applications

Features and benefits

- Constant water pressure under varying demands.
- Integrated dry-running protection
- Soft start
- Over, and undervoltage protection
- High starting torque
- Overload

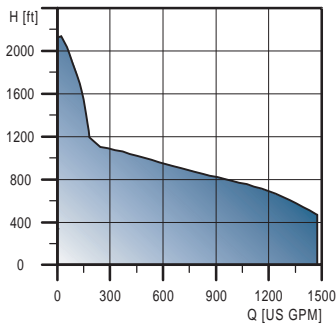
Optional

- CU 301 can be monitored and controlled via R100



SP

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



Technical data

Flow, Q: max. 1,400 gpm
 Head, H: max. 2,100 ft
 Liquid temp.: +32°F to +140°F
 Instal. depth: max. 1968 ft

Applications

- The pumps are suitable for
- Groundwater supply to waterworks
 - Irrigation in horticulture and agriculture
 - Groundwater de-watering
 - Pressure boosting
 - Industrial applications
 - Domestic water supply

Features and benefits

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

Optional

- Motor protection via CU 3
- Performance data can be monitored via CU 3/R100/PC Tool CU 3



MS motors

Stainless steel 4" and 6" submersible motors.

Motor sizes

4" motor: 1/3 to 10 hp
 6" motor: 7.5 to 40 hp

Applications

The Grundfos MS submersible motors can be fitted on all Grundfos 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 Temcon temperature transmitter
- Standardized NEMA head and shaft end
- Completely encapsulated in stainless steel
- Liquid cooled and has liquid lubricated bearings

Optional

- Material variants available

Control Box SA-SPM5

Product range

- Standard: .33HP to 5HP
- Delux: 1.5HP to 5HP
- CSCR: .33HP to 1HP

Enclosure

- NEMA Type 3R
- Gray Epoxy coated
- 18 gauge steel construction

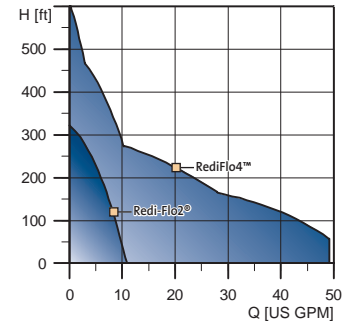
Features and benefits

- Pull handle disconnect
- Safety shield
- UL Recognized mallory start capacitor
- UL Recognized general electric
- Voltage relay
- Progressive knockouts
- .33HP to 1HP PumpSaver ready



Redi-Flo2® and Redi-Flo4™

Environmental pumps



Redi-Flo2 Technical data

Flow, Q: max. 10.5 gpm
 Head, H: max. 312 ft
 Liquid temp.: +32°F to +95°F

Redi-Flo4 Technical data

Flow, Q: max. 50 gpm
 Head, H: max. 600 ft
 Liquid temp.: +32°F to +104°F

Applications

- The pumps are suitable for
- Sampling and purging
 - Remediation
 - De-watering

Redi-Flo2 Features and benefits

- Light and compact design
- Fit into 2" boreholes
- Provides precise, accurate, and reproducible groundwater samples

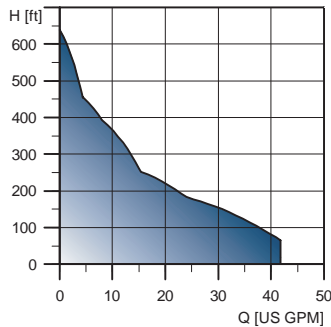
Redi-Flo4 Features and benefits

- Constructed of virgin Teflon
- Fit into 4" boreholes
- All stainless steel construction



Redi-Flo3™ and CU 300

Environmental pumps



Technical data

Flow, Q: max. 42 gpm
 Head, H: max. 640 ft
 Liquid temp.: +32°F to +104°F
 Instal. depth: max. 500 ft

Applications

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

Features and benefits

SQE-NE

- All of the features of the SQE, but designed for environmental applications
- All 316 SS construction
- Inert composites

Redi-Flo3

- External sensor control of pump
- Flexible configuration capabilities
- Monitoring, configuration and control via R100 or PC Tool CU 300



CU 3

Motor protection

Applications

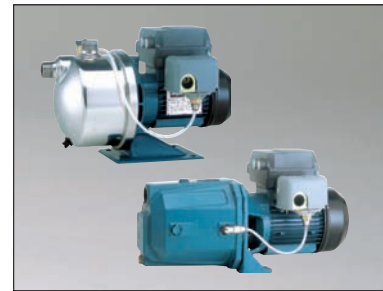
- Monitoring and protection of pump installations
- All 3 phase motors 200-575 VAC up to 400 A

Features and benefits

- Protection against dry running, motor over temperature, overload, overvoltage, undervoltage, current and phase imbalance
- Constant monitoring of power consumption
- Configure or view operating data via R100 or PC Tool CU 3

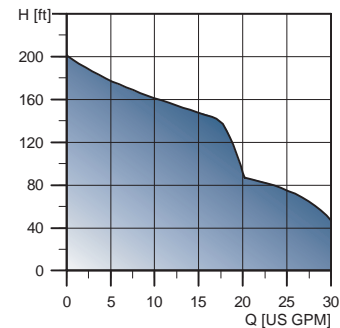
Optional

- Connection to large control systems via bus-communication
- Connection of sensors enabling control based on sensor signals
- G100 data logger



JPF, JPS

Self-priming shallow well, deep well and convertible jet pumps



Technical data

Flow, Q: max. 30 gpm
 Head, H: max. 201 ft
 Liquid temp.: +32°F to +131°F
 Working press.: max. 110 psi

Applications

The pumps are suitable for liquid transfer in

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

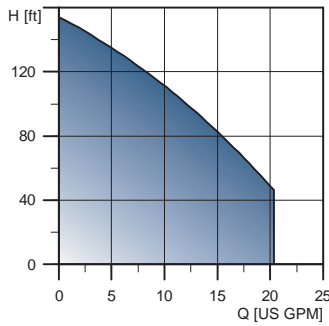
Features and benefits

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



MQ

Multistage centrifugal self-priming pumps



Technical data

Flow, Q:	max. 22 gpm
Head, H:	max. 140 ft
Liquid temp.:	+32°F to +95°F
Working press.:	max. 109 psi

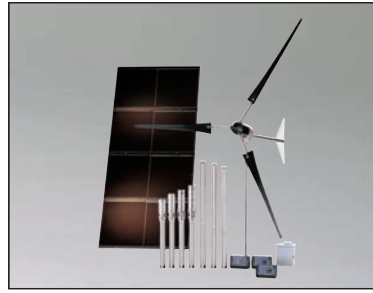
Applications

The pumps are suitable for pressure boosting and shallow well applications in:

- Private homes
- Vacation homes
- Farms
- Green houses
- Marinas

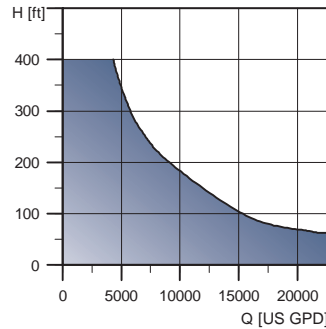
Features and benefits

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



SQFlex

Renewable-energy based water supply system



Technical data

Flow, Q:	max. 32,500 gpd
Head, H:	max. 394 ft
Liquid temp.:	+32°F to +104°F
Voltage supply:	30-300 VDC or 1 x 90-240 V, 50/60 Hz
Instal. depth:	max. 492 ft

Applications

The SQFlex systems are suitable for water supply in remote locations, such as:

- Livestock watering
- Farms and irrigation of greenhouses
- Camps
- Conservation areas
- Remote homes and cabins

Features and benefits

- Energy supply: solar modules, wind turbine, AC generator
- Simple installation
- Reliable water supply
- Virtually no maintenance
- Expansion possibilities
- Cost-efficient pumping
- Integrated controls/Inverter



G100 Gateway

The G100 offers optimum monitoring, control and integration of Grundfos products into SCADA and DCS systems. Or the G100 can be used stand-alone and accessed by either a local PC or remotely via modem.

Technical data

Service port RS-232: For direct connection to PC or via modem

Digital inputs:	4
Logging capacity:	2 Mb - approx. 350,000 time-stamped data
Voltage supply:	1 x 110-240 V, 50/60 Hz
Ambient temp.:	In operation: -4°F to +140°F (-20°C to +60°C)

Applications

- Enables communication and storage of operating data between Grundfos products equipped with a Grundfos GENIbus interface and a local/remote PC or main network for control

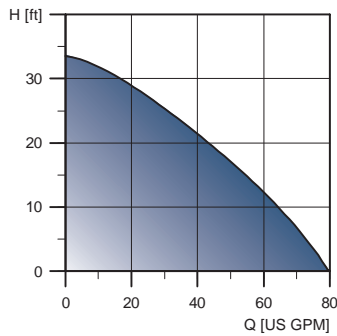
Features and benefits

- G100 has 4 digital inputs for optional use
- Powerful software allowing date retrieval and analysis
- G100 offers data logging of up to 350,000 time-stamped data
- Up to 32 units can be connected



SU, KP, AP

Sump and Utility pumps



Technical data

Flow, Q: max. 78 gpm
 Head, H: max. 33 ft
 Liquid temp.: +32°F to +131°F
 HP range: 1/4 to 1/2 hp

Applications

These pumps are used for: basement sumps, de-watering, and water transfer.

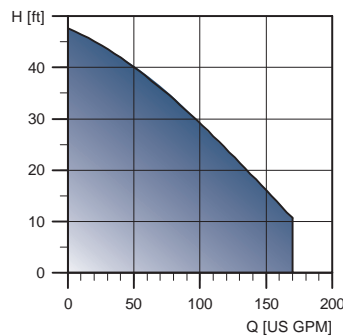
Features and benefits

- Lightweight and corrosion resistant
- Liquid-cooled, canned rotor design motor features automatic thermal protection and restart system
- UL listed to U.S. and Canadian safety standards or CSA approved



SE

Sewage pumps



Technical data

Flow, Q: max. 170 gpm
 Head, H: max. 47.5 ft
 Liquid temp.: +32°F to +104°F
 HP range: 4/10 to 1-1/2 hp

Applications

These pumps are used for: residential and light commercial sewage, effluent septic systems, and residential sump and waste water removal

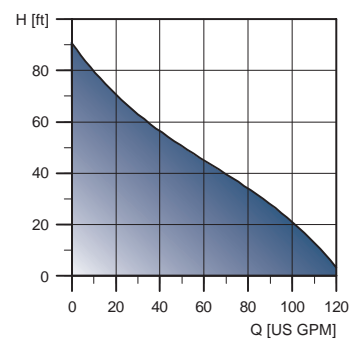
Features and benefits

- Lightweight and corrosion resistant
- Stainless steel motor housing
- Double seal motor constructed for motor lip seal and carbon on ceramic shaft seal as standard
- Vortex design composite impeller
- Composite pump housing
- UL listed to US and Canadian safety standards



EF

Effluent pumps



Technical data

Flow, Q: max. 120 gpm
 Head, H: max. 90 ft
 Liquid temp.: +32°F to +120°F
 HP range: 1/4 to 1-1/2 hp

Applications

These pumps are used for: graywater, septic tank effluent, STEP systems, LPP systems, and water transfer.

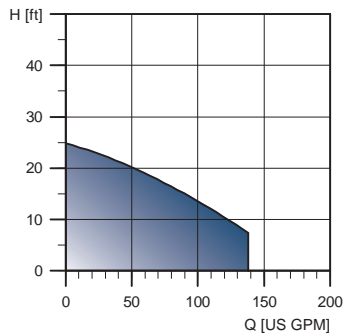
Features and benefits

- Lightweight and corrosion resistant
- Stainless steel motor housing
- Semi-open, composite impeller
- UL listed to U.S. and Canadian safety standards or CSA approved



Sink-paQ and E-paQ

Packaged systems



Technical data

Flow, Q: max. 138 gpm
 Head, H: max. 25 ft
 Liquid temp.: +32°F to +104°F (continuous)
 +32°F to +140°F (intermittent)
 HP range: 1/3 to 1/2 hp

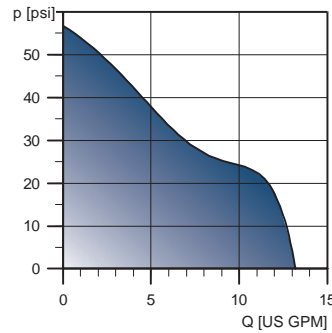
Features and benefits

- Lightweight and corrosion resistant
- Automatic operation
- Compact size
- Composite impeller
- Complete package includes pump, switch, basin, cover, check valve, and discharge pipe



JPF, JPS Tank Package

Packaged systems



Technical data

Flow, Q: max. 15 gpm
 Head, H: max. 131 ft
 Liquid temp.: +32°F to +131°F
 Working press.: max. 87 psi

Applications

- The pumps are suitable for liquid transfer in
- Households
 - Gardens
 - Hobby activities
 - Agriculture
 - Horticulture
 - Small industries

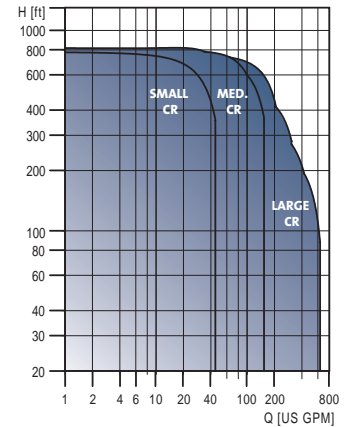
Features and benefits

- Self-priming
- Stable operation even in case of air pockets in the liquid
- Stainless steel diaphragm tank



Hydrosolo-E

Pressure booster system



Technical data

Flow, Q: max. 630 gpm
 Head, H: max. 995 ft
 Liquid temp.: -22°F to +250°F

Applications

- The pumps are suitable for
- transfer and pressure boosting of clean water in houses, cottages, farms, small commercial and residential building
 - pressure boosting in other systems e.g. process water systems and irrigation

Features and benefits

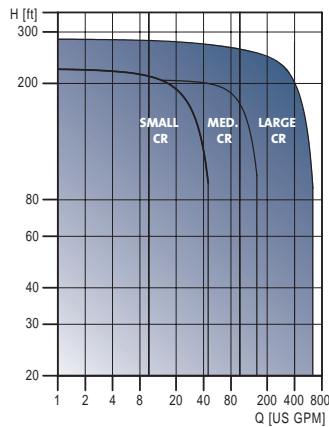
- Eliminates control valves and problematic pressure storage tanks
- Harmonic distortion protection built in
- Lower energy consumption
- Less pump noise
- Easy to set up and operate
- Comprehensive protection of drive, motor and pump equipment
- Reduced maintenance
- Eliminates current in-rushes on the AC line
- Protection from extreme voltage and temperature conditions

AVAILABLE ONLY IN CANADA



Hydrosolo-S

Pressure booster system



Technical data

Flow, Q: max. 620 gpm
 Head, H: max. 270 ft
 Liquid temp.: -22°F to +248°F
 Working pressure: 362 psi

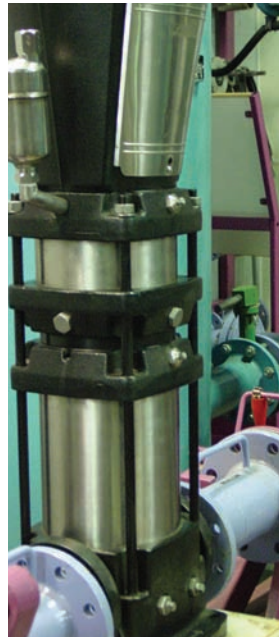
Applications

- The pumps are suitable for
- transfer and pressure boosting of clean water in houses, cottages, farms, small commercial and residential building
 - pressure boosting in other systems e.g. process water systems and irrigation

Features and benefits

The booster set is ready for operation when the piping system and the electricity supply have been connected.

- Hydro Solo-S is compact
- maintenance-free
- easy to install



The Grundfos Service Commitment

Every Grundfos product is built to set new standards in performance and reliability. Our products are backed by a proven and extensive commitment to service, evidenced by:

- International Service Support
- Service kits and parts
- 10-year availability of spare parts
- Repairs made to production standards
- Complete testing services
- Service tools and technical documentation

After-Sales Service Options

1. Extensive spare parts kits availability with service manuals, installation guides, and tools.
2. Factory-authorized service centers in Canada, Mexico, and the United States.
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In Mexico: 011.52.81.8144.4000
In the USA: 559.292.8000

Or visit our website at
www.grundfos.com

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