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 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

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.
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**

- 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.
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## Product and Application Overview

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* 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 32.5 ft
- Min. fluid temp: 36°F (2°C)
- Fluid temp. others: min. 32°F (0°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)
- 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
# Technical Data

## 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
**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

**Optional**

- Wireless remote control, R100
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

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

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
**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

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

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

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

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

Applications
• 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

Features and benefits
• Constant water pressure under varying demands.
• Integrated dry-running protection
• Soft start
• Over, and undervoltage protection
• High starting
• 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
- Deluxe: 1.5HP to 5HP
- CSCR: 33HP to 1HP

Enclosure
- NEMA Type 3R
- Gray Epozy 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

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

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
- Suitable for pressure boosting and shallow well applications in:
  - Private homes
  - Vacation homes
  - Farms
  - Greenhouses
  - 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: 1 x 110-240 V, 50/60 Hz
- Ambient temp.: In operation: -4°F to +110°F
- Instal. depth: max. 492 ft

Applications
- 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 +110°F
- Up to 32 units can be connected

Applications
- Enables communication and storage of operating data between Grundfos products equipped with a Grundfos GENbus 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
### SU, KP, AP

**Sump and Utility pumps**

<table>
<thead>
<tr>
<th>Technical data</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Flow, Q:</td>
<td>max. 78 gpm</td>
<td></td>
</tr>
<tr>
<td>Head, H:</td>
<td>max. 33 ft</td>
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<tr>
<td>Liquid temp.:</td>
<td>+32°F to +131°F</td>
<td></td>
</tr>
<tr>
<td>HP range:</td>
<td>1/4 to 1/2 hp</td>
<td></td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Technical data</th>
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<th></th>
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</thead>
<tbody>
<tr>
<td>Flow, Q:</td>
<td>max. 170 gpm</td>
<td></td>
</tr>
<tr>
<td>Head, H:</td>
<td>max. 47.5 ft</td>
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<tr>
<td>Liquid temp.:</td>
<td>+32°F to +104°F</td>
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</tr>
<tr>
<td>HP range:</td>
<td>4/10 to 1-1/2 hp</td>
<td></td>
</tr>
</tbody>
</table>

**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 U.S. and Canadian safety standards

### EF

**Effluent pumps**

<table>
<thead>
<tr>
<th>Technical data</th>
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</thead>
<tbody>
<tr>
<td>Flow, Q:</td>
<td>max. 120 gpm</td>
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</tr>
<tr>
<td>Head, H:</td>
<td>max. 90 ft</td>
<td></td>
</tr>
<tr>
<td>Liquid temp.:</td>
<td>+32°F to +120°F</td>
<td></td>
</tr>
<tr>
<td>HP range:</td>
<td>1/4 to 1-1/2 hp</td>
<td></td>
</tr>
</tbody>
</table>

**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)
- Liquid temp.: +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

**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
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.
3. Factory service at one of our sales locations in:
   - Apodaca, N.L. Mexico
   - Oakville, Ontario, Canada
   - Fresno, California, USA
   - Allentown, Pennsylvania, USA

Authorized North and Central America Service Centers

Call us to find the authorized service center nearest you:

**In Canada:** 905.829.9533  
**In Mexico:** 011.52.81.8144.4000  
**In the USA:** 559.292.8000

Or visit our website at www.grundfos.com

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