

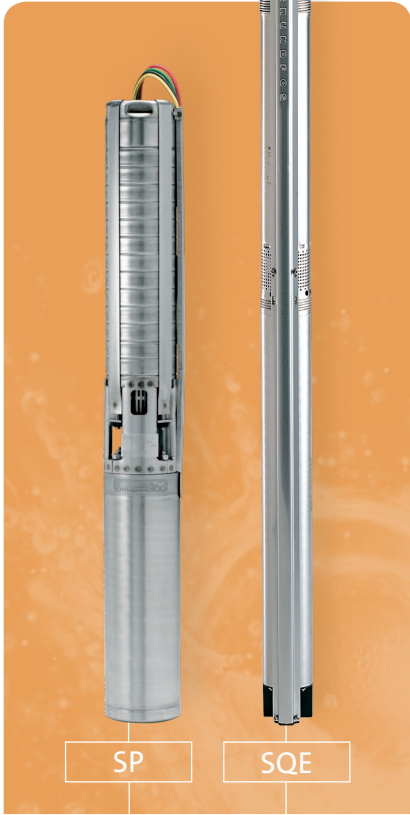


CONSTANT PRESSURE SYSTEMS

0.5 to 5 Hp

Constant pressure with SmartFlo™

The Grundfos range of SmartFlo systems are complete packages allowing you to ensure constant water pressure in any home, irrigation or small commercial application. Once installed, the SmartFlo system will constantly adapt pump performance to meet the demand for water. Even if every member of a household is using water at the same time – in the shower, in the kitchen, to wash the car, and to irrigate the lawn – the SmartFlo system makes sure that the water pressure remains undiminished.



SP

SQE

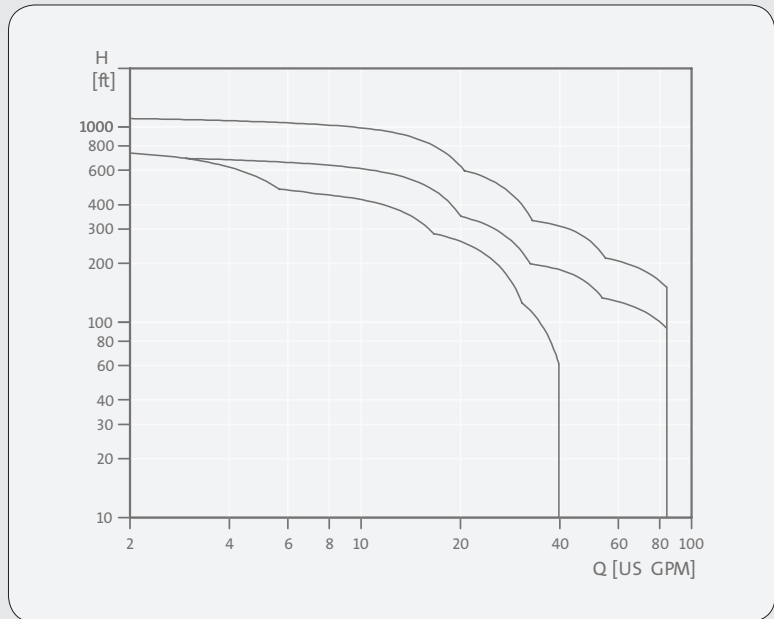


CU 321

CU 301



Sensor



Range of sizes: 0.5 to 5 Hp

The SmartFlo range comprises systems based around an SQE pump (available in four sizes: 0.5, 0.75, 1, and 1.5 Hp) or an SP pump (3 or 5 Hp). The choice of pump size means that you can get constant pressure the SmartFlo way for everything from small single-family homes, to larger homes with extensive irrigation, to small commercial applications. See the performance curve overleaf for details.

The SmartFlo system is the easy way to **constant pressure – and constant comfort**



The SmartFlo systems in brief

- Constant water pressure from 40 to 100 psi
- Complete systems
- Six pump sizes from 0.5 to 5 Hp
- Rated flows up to 75 gpm
- Small tank – 2 or 4 gallon
- Reliable performance
- Easy installation
- Compact design
- UL Approved

Everything you need is in the box

The well-proven, reliable SQE and SP pumps are supplemented by pressure sensors and control units to form the complete SmartFlo package. Everything has been carefully designed to create a perfect fit, ensuring easy installation and peak performance. The systems also allow you to use very compact tanks (2 or 4 gallons), minimizing the space required for a successful installation.

Easy installation

All SmartFlo systems are engineered with fast and simple installation in mind. The pumps themselves are easy to handle, even where space is restricted, and the control units are simple to install and set up.

1-phase power supply

The Grundfos range of SmartFlo systems are designed for 1-phase power from 0.5 Hp to 3 Hp.

User-friendly control units

The SmartFlo systems uses one of two control boxes to maintain constant pressure: The CU 301 for the smaller SQE pump systems, and the new CU 321 for the larger SP pump systems. Installation is easy and straight forward, with clearly marked wiring terminals.

Set-up is simple, too: For the CU 301 simply select desired pressure setting; for the CU 321 select pump model and desired pressure setting. Everything else is pre-programmed. A clear advantage of dedicated control units.

Pump reliability is ensured through:

Soft start

No electrical stress on service mains – no in-rush current extends motor life.

High starting torque

Three phase performance with single phase input (up to 3 Hp).

Overload, Over/under voltage protection

Pump motors are protected against irregular voltages or excessive currents – the protection feature reduces speed or stops the pump as necessary.

Dry-running protection

Pumps are stopped to prevent damage in case of dry running.

Durable design

The SQE and SP products are designed for a long and trouble free lifetime – Visit the Grundfos website for details.

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