

A Complete Range of
**CONSTANT
PRESSURE
SYSTEMS**



Introducing the **NEW CU331SP**

Now available for 2, 3, & 5 HP submersible SP pumps in both indoor & outdoor enclosures.

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GRUNDFOS 

Constant pressure with SmartFlo™

The Grundfos range of SmartFlo systems are complete packages, from a single supplier, designed to provide constant water pressure in any home, irrigation or small commercial application. 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 constant.



SP

SQE



CU331SP

CU301

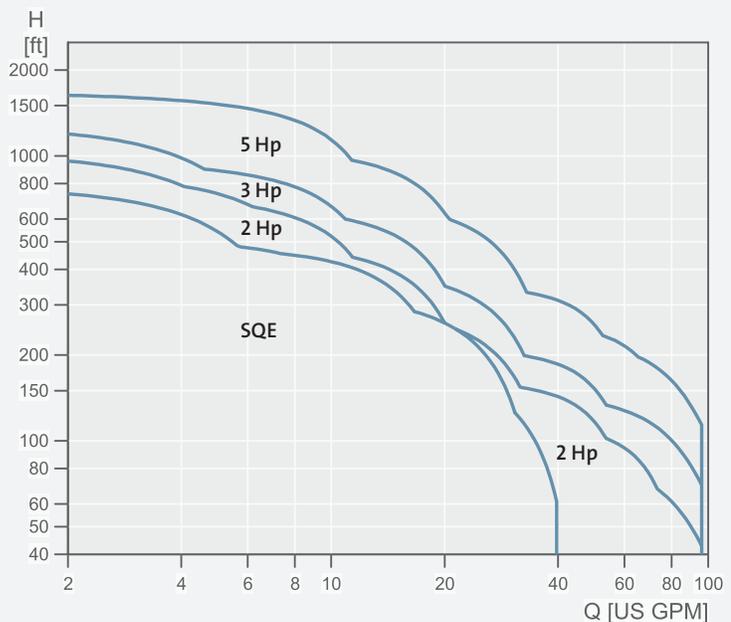


Sensor



Tank

SmartFlo performance range: 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 (2, 3 or 5Hp). 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 above for details.



The SmartFlo systems in brief

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

SmartFlo Constant Pressure Systems:

SmartFlo SQE/CU301

For 3" or larger wells – 0.5 to 1.5 HP

Main Application:

Domestic water supply, irrigation, pressure boosting, water transfer

Features:

- Soft start – prevents water hammering and electrical stress on service mains
- High starting torque – even at low supply voltage, the SQE delivers a reliable water supply
- Over/under voltage protection – protects the motor against unstable voltage supply by reducing speed or stopping the pump.
- Dry running protection – stops and protects the pump from damage

SmartFlo SP/CU331SP

For 4" or larger wells – 2, 3 or 5HP

Main Application:

Domestic & light commercial water supply, irrigation, livestock watering, water transfer

Features:

- Easy setup – simply run the Start-up Wizard and choose pressure setpoint. The system determines the direction of rotation and sets the dry-run function according to the pump.
- System design approach – the CU331SP works with any combination of matched pump and motor.
- CU331SP works with 2, 3 or 5HP submersible pumps to fulfill your constant pressure requirements
- Matched pump & motor – 2HP pump on 2HP motor, 3HP pump on 3HP motor, 5HP pump on 5HP motor
- Built-in protection features – Soft start, dry run, overload, over/under voltage, sensor alarm, alarm relay and run relay
- Wide voltage range – input: single phase 208 - 240VAC
output: 3-phase 208-240VAC
- Indoor or outdoor enclosure options: IP55/Type 12 or IP66/Type 4X

Pump reliability is ensured through:

Soft start

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

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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L-SP-SL-019 Rev. 11-12

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