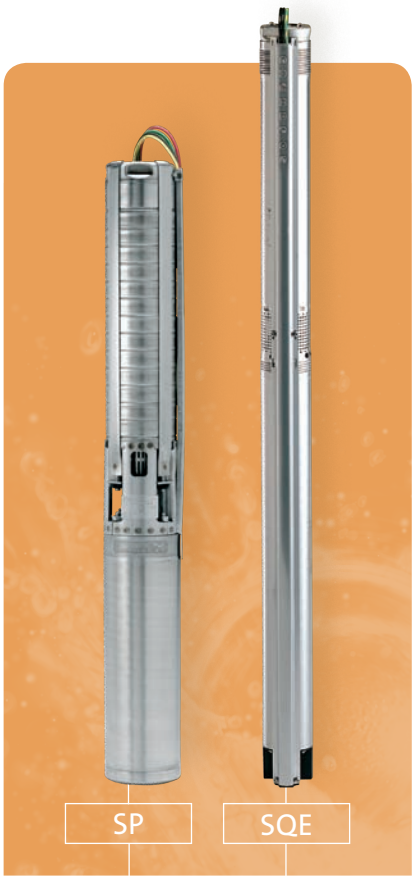
# CONSTANT PRESSURE SYSTEMS

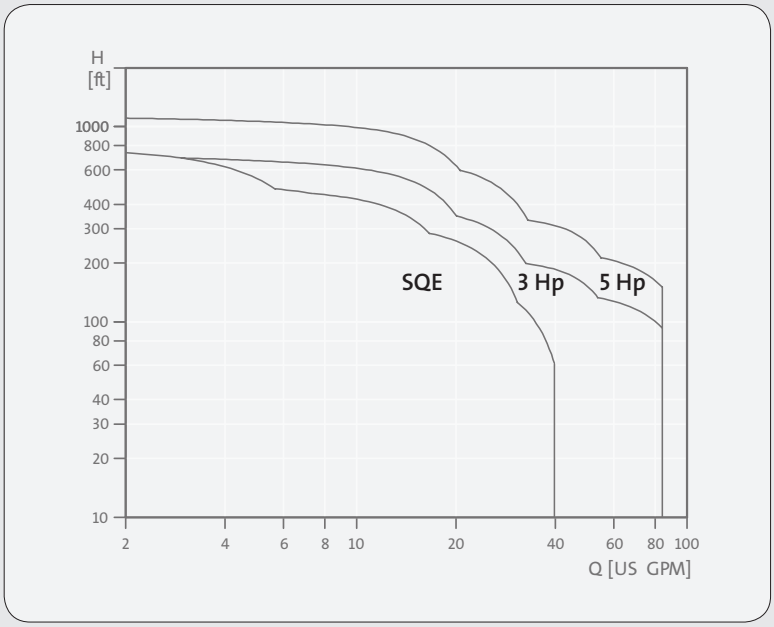
Single phase from 0.5 to 5 Hp




# 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 constant.

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




**Wide 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 (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 above for details.

## The SmartFlo systems in brief

- Constant water pressure from 40 to 100 psi
- Complete systems
- Nine 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 SQE – Constant Pressure System

For 3" or larger wells

**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 SQ/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 CU 321 – Constant Pressure System

For 4" or larger wells

**Main Application:**

Domestic & light commercial water supply, Irrigation,
Livestock watering, Water transfer

**Features:**

- A complete solution from one manufacturer
- Easy setup – simply select pump model and choose pressure setpoint
- System design approach – CU 321 is calibrated to the Grundfos motor and pump, eliminating uncertainties about proper pump or motor selection
- Offered in most popular sizes, both 3 and 5Hp: 16, 25, 40, and 75gpm
- Matched pump & 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
- Wide voltage range – 3Hp and 5Hp input: single phase 208 - 240VAC

## Pump reliability is ensured through:

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

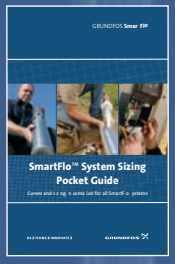
**Overload, Over/under voltage protection**
Pump motors are protected against irregular voltages or excessive currents – the protection feature reduces speed or stops the pump as necessary.

**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.

www.grundfos.us

To help you size your SmartFlo systems, visit your nearest Grundfos distributor and pick up a FREE copy of the SmartFlo System Sizing Pocket Guide ›



BE > THINK > INNOVATE >

Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence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