

IMAGINE...

...ONE SOLUTION  
TO CONSTANT  
WATER PRESSURE

The SQE constant water pressure system is one complete solution without the need of additional controls or wiring.

The SQE constant water pressure system can be adjusted by the touch of a button. It's intelligent control unit is capable of monitoring and displaying the system's performance continuously whilst also providing dry-running protection and other features that guarantee a long lifetime of the pump. Even in the roughest domestic applications. In addition to all this, the SQE constant pressure system is very easy to install and virtually maintenance free.

IMAGINE.. one solution to stock, to sell and to install. This is today's GRUNDFOS reality.

[www.grundfos.com/sq](http://www.grundfos.com/sq)

SUBMERSIBLE 3"  
CONSTANT WATER  
PRESSURE SYSTEM

- > AN ENTIRE SOLUTION
- > UNIQUE FEATURES





## SUBMERSIBLE 3" CONSTANT WATER PRESSURE SYSTEM

The SQE pump and the CU301 Control Unit is a complete Constant Water Pressure system.

The "all in one box" solution is easy to install and easy to operate.

### The main applications are:

- Domestic water supply
- Irrigation

The SQE constant pressure system offers constant water pressure despite varying demands.

### It also offers the features and benefits of the basic SQ pump:

#### Soft start...

...to prevent water hammering and electrical disturbances

#### High starting torque...

...even at low supply voltage, the SQ delivers a reliable water supply

#### Over load protection...

...protects the motor against unstable voltage supply by reducing speed or stopping the pump

### Dry running protection...

...stops and prevents the pump from damage in case of dry running

### Automatic re-start...

...ensures a reliable water supply when ever possible

### The Constant Water Pressure system consist of:

- SQE pump
- CU301 Control Unit
- Pressure Sensor
- Pressure Tank

The SQE constant water pressure system is one complete solution without the need of additional controls or wiring, very easy to install and virtually maintenance free.

The intelligent control unit monitors the system's performance continuously.

If necessary the pressure can be adjusted by a simple touch of a button.



## SELECTING THE RIGHT PUMP FOR YOUR NEED

### EXAMPLE

#### How to select an SQE pump

- 1 The head (inclusive of friction loss) is 25 m (A)
- 2 Your maximum demand is 3 m<sup>3</sup>/hour (B)
- 3 You require 3.5 bar system pressure at the taps in the house (C)
- 4 Select an SQE 3-65 which can be adjusted to any constant pressure from 2 to 4 bar (D)

The water demand of most domestic installations are covered by the pumps shown in the table, but the Grundfos SQE-pump range covers an even wider capacity.

Feel free to contact us if you wish to know more about the SQE range.

Dynamic head (m)	Nom. flow m <sup>3</sup> /h	System pressure (bar)						
		2.0	2.5	3.0	3.5 (C)	4.0	4.5	5.0
10 to 20	2			SOE 2-55				
	2						SOE 2-85	
	3				SOE 3-65			
	5	SOE 5-50						
	5					SOE 5-70		
21 to 30 (A)	2	SOE 2-55						
	2				SOE 2-85			
	3 (B)			SOE 3-65	(D)			
	5						SOE 3-105	
	5			SOE 5-70				
31 to 40	2			SOE 2-85				
	2						SOE 2-115	
	3		SOE 3-65					
	3						SOE 3-105	
	5		SOE 5-70					
41 to 50	2		SOE 2-85					
	3				SOE 3-105			
51 to 60	2				SOE 2-115			
	3			SOE 3-105				
61 to 70	2				SOE 2-115			
	3			SOE 3-105				
71 to 80	2			SOE 2-115				
81 to 90	2		SOE 2-115					