

GRUNDFOS SQ/SQN

# MEETING YOUR WATER SUPPLY NEEDS

THE CHOICE IS YOURS



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GRUNDFOS 

## THE CHOICE IS YOURS

The SQ pump is the basic model of the Grundfos 3" submersible pump range. With a wide range of performance parameters, you're sure to find a model that will suit your individual requirements.

Long and lean, this multistage pump is constructed of corrosion-resistant stainless steel, ensuring a long, reliable life. Only 3" in diameter, the compact design allows placement in small boreholes of the same size, or even 4" boreholes that have become smaller due to ochre deposits. Other pumps with similar capacities are usually 4" in diameter.

The SQ single high-speed pumps are ideally suited for a variety of applications:

- Domestic water supply
- Small water works
- Irrigation
- Groundwater lowering

### PERMANENT MAGNET MOTOR

A series of unique features make the SQ series very easy to install and operate, and ensure a reliable water supply at all times. Thanks to its' high-speed permanent magnet motor, it offers a very high performance in relation to its compact design.

The motor enables the SQ to pump water from a borehole to a depth of 238 metres.

The special SQN pumps are engineered in an even higher grade of stainless steel for applications with slightly aggressive liquids.

### YEARS OF RELIABILITY

The individual models of the SQ series are composed of high-quality stainless steel. Combining this with a robust internal construction and sturdy impellers provides the user with years of reliable operation.

### PROTECTION AGAINST DRY RUNNING

Dry running is one of the most disastrous situations a pump can experience. The absence of liquid can cause the pump shaft to seize up, initiating the burn out of motor windings, unless the power is switched off. In case of dry running the SQ pump automatically switches off.



## GRUNDFOS SQ/SQN – an outstanding solution

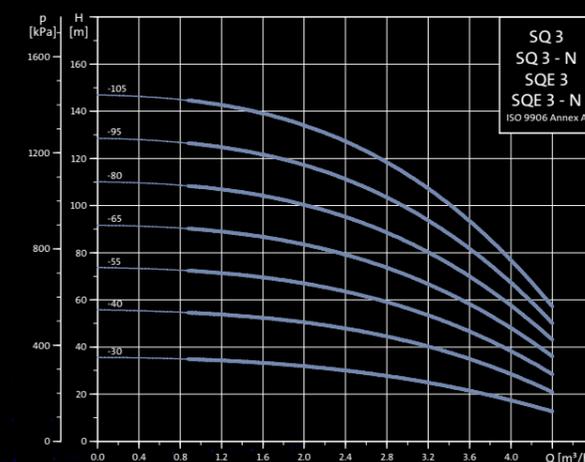
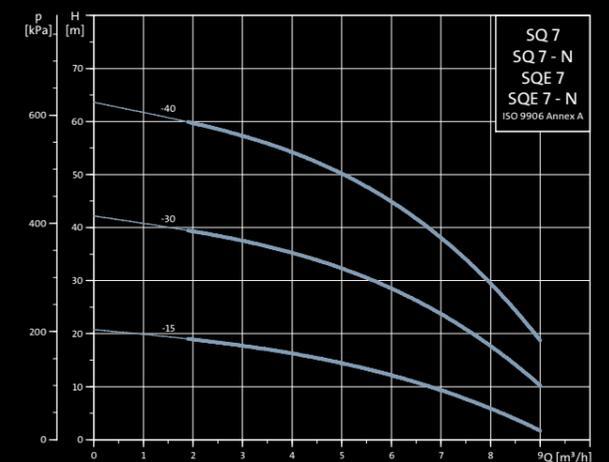
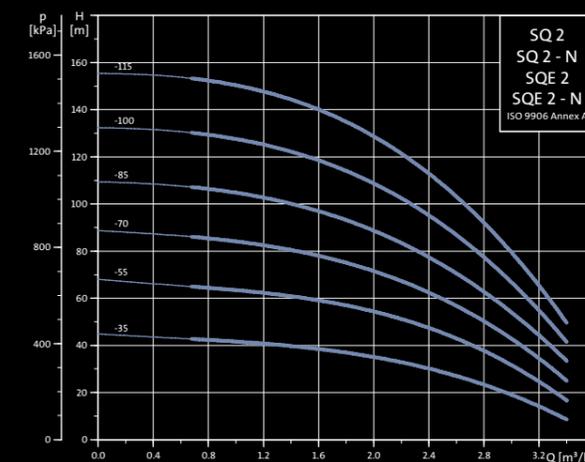
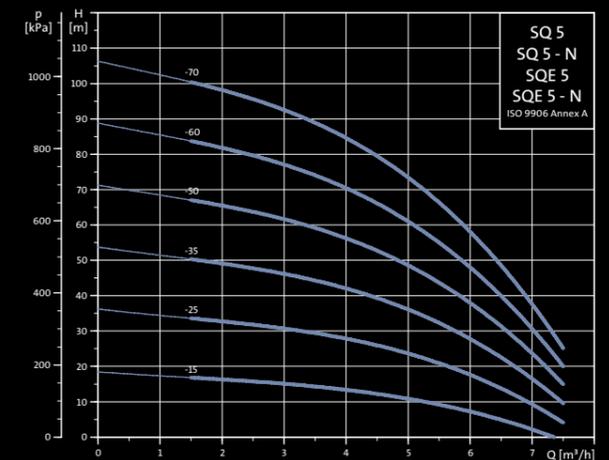
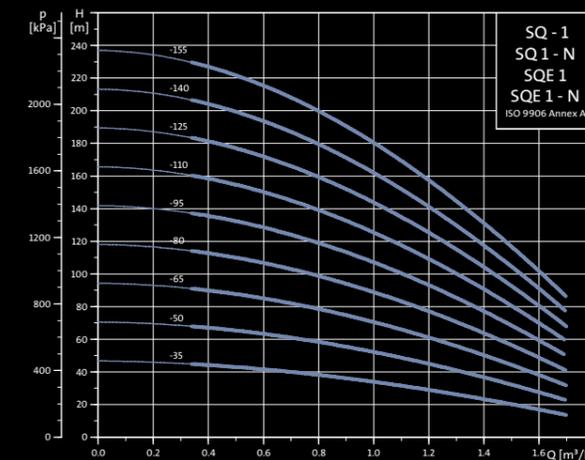
- Soft start reduces wear on motor and prevents spikes in electrical demand
- High starting torque, even at low supply voltage
- Overload protection protects motor from unstable voltage supplies
- Dry running protection safeguards against damage from an absence of liquid
- Automatic re-start ensures a reliable water supply following preventative shutdown
- 100% stainless steel construction provides durability and peace-of-mind

## Technical information

Performance range: Flow up to 9m<sup>3</sup>/h (SQ/SQN 7), Head up to 238 m (SQ/SQN 1)  
 Nominal voltage range: 1x200-230V  
 Frequency (of the voltage supply): 50/60Hz  
 Max. acceptable media temp: 30°C (40°C)  
 Pump diameter: Ø74mm

Weight (min./max.): 4.7 - 6.4 kg  
 Thread connections: RP 1¼ / RP 1½  
 Minimum well diameter: Ø76mm  
 Materials (Stainless steel): SQ - DIN W.-Nr. 1.4301, AISI 304, SQN - DIN W.-Nr. 1.4401, AISI 316

The SQ/SQN pumps can be installed vertically or horizontally.



## SEE THE BIGGER PICTURE

Grundfos is a global leader within water handling technology. Our passion is to bring you all the products you require to create and operate pump systems that combine reliability, cost-efficiency – and innovation. Our products are for use in water supply and wastewater infrastructure on any scale.

Grundfos has a full line of products and systems for the intake, treatment and distribution of drinking water and for the transport and treatment of wastewater. We also offer expertise and industry insight that can increase reliability and reduce lifecycle costs for water utilities.

Key product areas include:



Submersible pumps



Surface pumps



Sewage pumps



Mixers, flowmakers & recirculation pumps



Pumping stations



Monitoring & controls



Dosing & disinfection



Aeration equipment

Our products are the result of decades of engineering expertise. Supported by a worldwide service network. Visit [grundfos.com/water-utility](http://grundfos.com/water-utility) for more.