The SQ pump is Grundfos’ most compact submersible solution for ground water extraction. A mere 3” in diameter, the long, lean pump fits nicely into small boreholes of the same size – or in 4” boreholes that over time have become smaller due to ochre deposits. The compact design along with key features like dry-running protection and soft start to reduce wear on motor makes the SQ pump one of the most reliable choices for submersible operation.

**Benefits**
- Unique 3” design
- Wide voltage window
- Soft start – reduces wear on motor and minimises stress of the entire installation
- Dry-running protection
- Overload protection
- Automatic restart
- All stainless steel exterior design – reduces risk of corrosion to a minimum
- Built-in electronics – facilitate installation and operation

**Applications**
- Domestic water supply
- Small water works
- Irrigation systems
- Groundwater lowering
THE SQ RANGE IN MORE DETAIL

KEY FEATURES

- Soft start and low amp draw
- High starting torque & deep setting handling
- 2 wire & no extra box needed
- Handle voltage fluctuation, protection and automatic restart
- Dry-running protection
- Soft start
- Built-in electronics
- Permanent magnet motors

TECHNICAL DATA

- Performance range: Flow up to 7m³/h (SQ/SQN 7)
- Head up to 180 m (SQ/SQN 1)
- Nominal voltage range: 1x200-240V
- Frequency: 50/60Hz
- Max. acceptable media temp: 30 °C (40 °C)
- Pump diameter: Ø74 mm
- Weight (min./max.): 4.7-6.4 kg
- Thread connections: RP 1¼ / RP 1½
- Minimum well diameter: Ø76 mm
- Materials (Stainless steel):
  SQ: DIN W.-Nr. 1.4301, AISI 304,
- The SQ pump can be installed vertically or horizontally

\[
\begin{array}{c|c|c}
Q [\text{m}^3/\text{h}] & H [\text{m}] & P [\text{kPa}] \\
\hline
0 & 0 & 0 \\
1 & 100 & 100 \\
2 & 200 & 200 \\
3 & 300 & 300 \\
4 & 400 & 400 \\
5 & 500 & 500 \\
6 & 600 & 600 \\
7 & 700 & 700 \\
8 & 800 & 800 \\
\hline
0.5 & 100 & 100 \\
1 & 200 & 200 \\
1.5 & 300 & 300 \\
2 & 400 & 400 \\
2.5 & 500 & 500 \\
\end{array}
\]