Redi-Flo3 pumps incorporate a totally new motor design. With the use of permanent-magnet technology within the motor, Redi-Flo3 pumps deliver unmatched performance. The combination of permanent-magnet motors and Grundfos’ own micro frequency converter, we are now able to communicate with the pump in ways never before possible. Just a few of the features that come out of this combination are constant level control, soft-start and integrated dry-run protection. These are just a few of the many features that Redi-Flo3 pumps can offer.

**FEATURES**

- Dry-Run Protection
- High Efficiency Pump End and Motor
- High Starting Torque
- Protection Against Up-Thrust
- Soft-Start
- Over- and Under-Voltage Protection
- Overload Protection
- Over-Temperature Protection
- Variable Speed
- Electronic Control and Communication

**APPLICATIONS**

Redi-Flo3 pumps are suitable for both continuous and intermittent operation for a variety of environmental applications including:

- Remediation
- Pollution Recovery
- Leachate Recovery
- Tank Applications
- Dewatering

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2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • FAX (303) 322-7242
email: sales@geotechenv.com • website: www.geotechenv.com
ACCESSORIES

- **CU300 Status Box & Go Remote**
  Enables Redi-Flo3 programming and flow control through Grundfos GO – a free mobile app that provides full pump control and access and online tools.

- **CU300 Status Box & Potentiometer**
  A simple rheostat flow controller and CU300 packed in a protective portable case. 10 foot power input and pump output cable included.

- **CU300 Status Box & Geotech SitePro Telemetry**
  A protective enclosure with cellular data access to configure and check the status of the Redi-Flo3 remotely through SiteView – a cloud-based application that can be securely accessed from any workstation or mobile device with internet connection.

- **Redi-Flo3 Cooling Shroud**
  Directs fluid flow past the motor to displace heat in open water or well casings larger than 5 inches inside diameter.

PERFORMANCE

*Graphs showing performance data for Grundfos Redi-Flo3™ SQE-NE 10 gpm and 22 gpm.*
**SPECIFICATIONS**

**General:**
- **Well Diameter:** Minimum 3 in. (76 mm)
- **Installation Depth:** Maximum 500 ft. (150 m) below static water table
- **Variable Speed Control:** 30%-100% (3,000, 10,700 RPM)
- **Material:** Stainless steel complying with DIN W.-Nr 1.4401 (AISI 316), PVDF and FPM rubber

**Electric:**
- **Supply Voltage:** 1 x 200-240V +6% / -10%, 50 / 60 Hz PE
  1 x 100-115V
- **Operation via Generator:** The generator output must be equal to the motor P1(KW) +10%
- **Starting Current:** The motor starting current is equal to the highest value stated on the motor nameplate
- **Soft-start:** Run-up Time 2 seconds maximum
- **Motor Protection:** The motor is protected against: dry-run, over-voltage, under-voltage, overload, over-temperature and upthrust
- **Power Factor:** PF = 1
- **Service Factor:**
  - 0.5-1.85 HP @ 115V / 230V
  - 1 x 100-115V
  - 0.75-2.05 HP @ 230V
  - 1.0-2.25 HP @ 230V
  - 1.5-1.65 HP @ 230V
  - Starting Current: The motor starting current is equal to the highest value stated on the motor nameplate
  - **Soft-start:** Run-up Time 2 seconds maximum
  - **Motor Protection:** The motor is protected against: dry-run, over-voltage, under-voltage, overload, over-temperature and upthrust
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  - 1 x 100-115V
  - 0.75-2.05 HP @ 230V
  - 1.0-2.25 HP @ 230V
  - 1.5-1.65 HP @ 230V

**Dimensions and Weight:**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>HP</th>
<th>Discharge Size</th>
<th>Dimensions in Inches (cm)</th>
<th>Approximate Ship Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10Redi-Flo3 SQE-100NE</td>
<td>½</td>
<td>1 ¼” NPT</td>
<td>30.4 (77.2) 19.8 (50.3) 10.6 (27) 2.6 (6.6) 2.9 (7.4)</td>
<td>12 (5.4)</td>
</tr>
<tr>
<td>10Redi-Flo3 SQE-140NE</td>
<td>½</td>
<td>1 ¼” NPT</td>
<td>30.4 (77.2) 19.8 (50.3) 10.6 (27) 2.6 (6.6) 2.9 (7.4)</td>
<td>12 (5.4)</td>
</tr>
<tr>
<td>10Redi-Flo3 SQE-180NE</td>
<td>¼</td>
<td>1 ¼” NPT</td>
<td>31.5 (80) 19.8 (50.3) 11.6 (29.5) 2.6 (6.6) 2.9 (7.4)</td>
<td>13 (5.9)</td>
</tr>
<tr>
<td>10Redi-Flo3 SQE-220NE</td>
<td>¼</td>
<td>1 ¼” NPT</td>
<td>33.6 (84.8) 19.8 (50.3) 13.7 (34.8) 2.6 (6.6) 2.9 (7.4)</td>
<td>13 (5.9)</td>
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<tr>
<td>10Redi-Flo3 SQE-260NE</td>
<td>1</td>
<td>1 ¼” NPT</td>
<td>35.0 (89) 21.3 (54.1) 13.7 (34.8) 2.6 (6.6) 2.9 (7.4)</td>
<td>16 (7.3)</td>
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<tr>
<td>10Redi-Flo3 SQE-300NE</td>
<td>1</td>
<td>1 ¼” NPT</td>
<td>36.1 (91.7) 21.3 (54.1) 14.8 (37.6) 2.6 (6.6) 2.9 (7.4)</td>
<td>16 (7.3)</td>
</tr>
<tr>
<td>10Redi-Flo3 SQE-340NE</td>
<td>1</td>
<td>1 ¼” NPT</td>
<td>38.2 (97) 21.3 (54.1) 16.9 (42.9) 2.6 (6.6) 2.9 (7.4)</td>
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<td>22Redi-Flo3 SQE-40NE</td>
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</tr>
<tr>
<td>22Redi-Flo3 SQE-80NE</td>
<td>½</td>
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<td>30.4 (77.2) 19.8 (50.3) 10.6 (27) 2.6 (6.6) 2.9 (7.4)</td>
<td>12 (5.4)</td>
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<tr>
<td>22Redi-Flo3 SQE-110NE</td>
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</tr>
<tr>
<td>22Redi-Flo3 SQE-210NE</td>
<td>1</td>
<td>1 ½” NPT</td>
<td>38.2 (97) 21.3 (54.1) 16.9 (42.9) 2.6 (6.6) 2.9 (7.4)</td>
<td>16 (7.3)</td>
</tr>
</tbody>
</table>

**Note:** Weights include pump ends with motors.

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