

Grundfos Redi-Flo3™ SQE-NE Environmental Pumps

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



CU300 Status Box
and Go Remote



Wear Resistant Bearings



Permanent Magnet Motor



Advanced Electronics

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • FAX (303) 322-7242

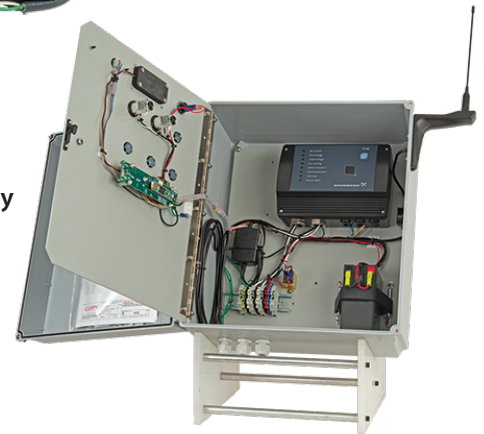
email: sales@geotechenv.com • website: www.geotechenv.com

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.
- Electric Rewind Reel, Center Collector & Center Discharge**
 Options up to 500FT of tubing, motor lead, & safety cable (pictured with 300FT).
 Uniquely bundled assembly for ease of use.
 600-800lbs dry weight.
 For permanent installations in truck beds or on trailers only.
 120V electric reel.



CU300 Status Box with Potentiometer



CU300 Status Box & Geotech SitePro Telemetry



Electric Rewind Reel, Center Collector & Center Discharge

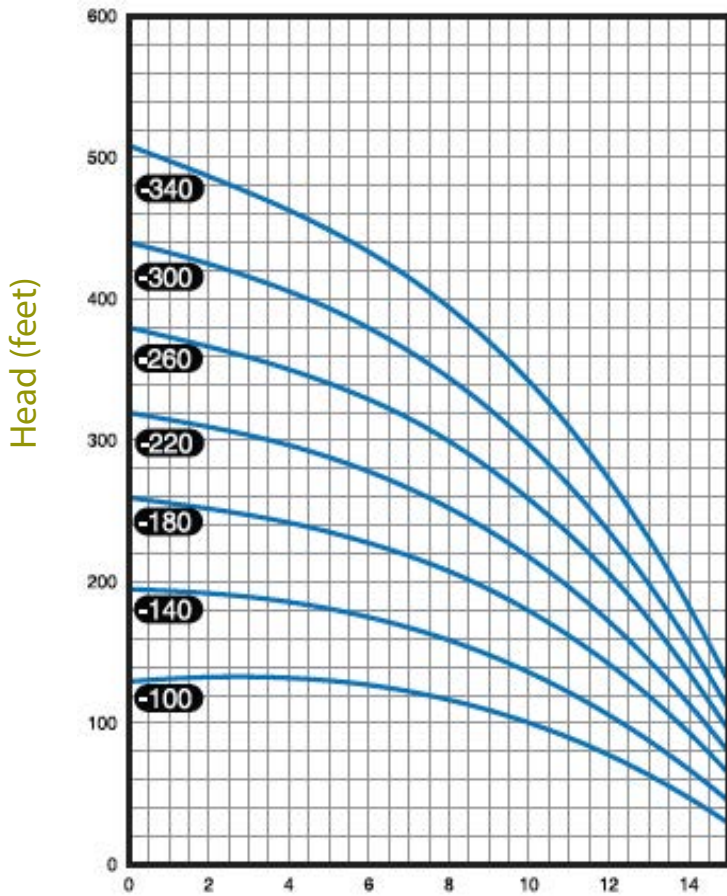
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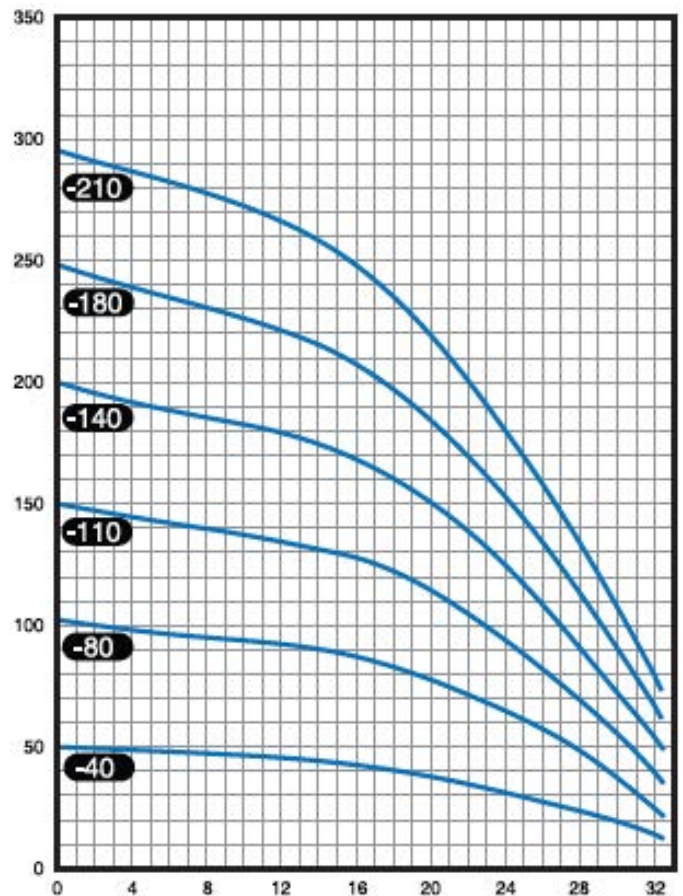
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PERFORMANCE

Grundfos Redi-Flo3™ SQE-NE 10 gpm



Grundfos Redi-Flo3™ SQE-NE 22 gpm



Capacity (GPM)

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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
Starting	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 0.75-2.05 HP @ 230V 1.0-2.25 HP @ 230V 1.5-1.65 HP @ 230V
Motor Cable	2 Wire with ground, Tefzel® Cable Kit (Santoprene® available)
pH Values	5-9
Liquid Temperature	The temperature of the pumped liquid should not exceed 104°F

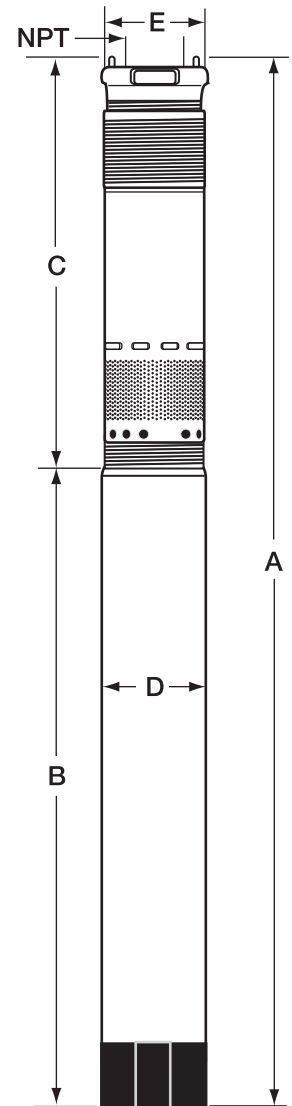
Note: If liquids with a viscosity or specific gravity higher than that of water are to be pumped, please contact Geotech Environmental Equipment, Inc.

Minimum Ambient Temperature	4°F (-15°C)
Maximum Ambient Temperature	+104°F (40°C)
Maximum Liquid Temperature	86°F (30°C)

Dimensions and Weight:

Model Number	HP	Discharge Size	Dimensions in Inches (cm)					Approximate Ship Weight lbs. (kg)
			A	B	C	D	E	
10Redi-Flo3 SQE-100NE	½	1 ¼" NPT	30.4 (77.2)	19.8 (50.3)	10.6 (27)	2.6 (6.6)	2.9 (7.4)	12 (5.4)
10Redi-Flo3 SQE-140NE	½	1 ¼" NPT	30.4 (77.2)	19.8 (50.3)	10.6 (27)	2.6 (6.6)	2.9 (7.4)	12 (5.4)
10Redi-Flo3 SQE-180NE	¾	1 ¼" NPT	31.5 (80)	19.8 (50.3)	11.6 (29.5)	2.6 (6.6)	2.9 (7.4)	13 (5.9)
10Redi-Flo3 SQE-220NE	¾	1 ¼" NPT	33.6 (77.7)	19.8 (50.3)	13.7 (34.8)	2.6 (6.6)	2.9 (7.4)	13 (5.9)
10Redi-Flo3 SQE-260NE	1	1 ¼" NPT	35.0 (89)	21.3 (54.1)	13.7 (34.8)	2.6 (6.6)	2.9 (7.4)	16 (7.3)
10Redi-Flo3 SQE-300NE	1	1 ¼" NPT	36.1 (91.7)	21.3 (54.1)	14.8 (37.6)	2.6 (6.6)	2.9 (7.4)	16 (7.3)
10Redi-Flo3 SQE-340NE	1	1 ¼" NPT	38.2 (97)	21.3 (54.1)	16.9 (42.9)	2.6 (6.6)	2.9 (7.4)	16 (7.3)
22Redi-Flo3 SQE-40NE	½	1 ½" NPT	30.4 (77.2)	19.8 (50.3)	10.6 (27)	2.6 (6.6)	2.9 (7.4)	12 (5.4)
22Redi-Flo3 SQE-80NE	½	1 ½" NPT	30.4 (77.2)	19.8 (50.3)	10.6 (27)	2.6 (6.6)	2.9 (7.4)	12 (5.4)
22Redi-Flo3 SQE-110NE	¾	1 ½" NPT	31.5 (80)	19.8 (50.3)	11.6 (29.5)	2.6 (6.6)	2.9 (7.4)	13 (5.9)
22Redi-Flo3 SQE-140NE	¾	1 ½" NPT	33.6 (77.7)	19.8 (50.3)	13.7 (34.8)	2.6 (6.6)	2.9 (7.4)	13 (5.9)
22Redi-Flo3 SQE-180NE	1	1 ½" NPT	38.2 (97)	21.3 (54.1)	16.9 (42.9)	2.6 (6.6)	2.9 (7.4)	16 (7.3)
22Redi-Flo3 SQE-210NE	1 ½	1 ½" NPT	38.2 (97)	21.3 (54.1)	16.9 (42.9)	2.6 (6.6)	2.9 (7.4)	16 (7.3)

Note: Weights include pump ends with motors.



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