

SUBMERSIBLE GRINDER PUMP

Series: BGP-DS

2 HP

3500 RPM

Discharge: 1 1/4"



SUCTION

2 7/8", vertical

DISCHARGE

1 1/4" NPT, vertical

LIQUID TEMPERATURE

Continuous: 120 °F (48 °C)

Intermittent: 140 °F (60 °C)

VOLUTE

Cast iron ASTM A-48, class 30.

MOTOR HOUSING

Cast iron ASTM A-48, class 30.

SEAL PLATE

Cast iron ASTM A-48, class 30.

IMPELLER

Design: 12 vanes, vortex with vanes on back side, dynamically balanced.

Material: Cast iron ASTM A-48, class 30.

Radial cutter: hardened 440C, stainless steel, hardness Rockwell C-55.

Shredding ring: hardened 440C, stainless steel, hardness Rockwell C-55.

SHAFT

420 series stainless steel

HARDWARE

Stainless steel

O-RINGS

Buna-N

PAINT

Air dry enamel, water based.

SEAL

Design: double seal, oil lubricated.

Material: ceramic stationary part, carbon ring seal and exclusion in the rotating part, and silicon-silicon in the secondary (pump) seal. Buna-N elastomer and stainless steel spring.

CORD ENTRY

30 ft of neoprene cord, sealed against moisture.

BEARINGS

Ball, single row, oil lubricated.

MOTOR

Single phase: permanent split capacitor, 230 volts, 60 Hz, 3500 RPM, oil filled, with overload protection in motor. Class F insulation. Model BGP202DS requires capacitors and relay to be installed in control panel. Model BGPC202DS offers internal capacitor design.

Three phase: 230 & 460 volts, 60 Hz, 3500 RPM, oil filled, with overload protection in motor. Class F insulation.

MOISTURE SENSOR

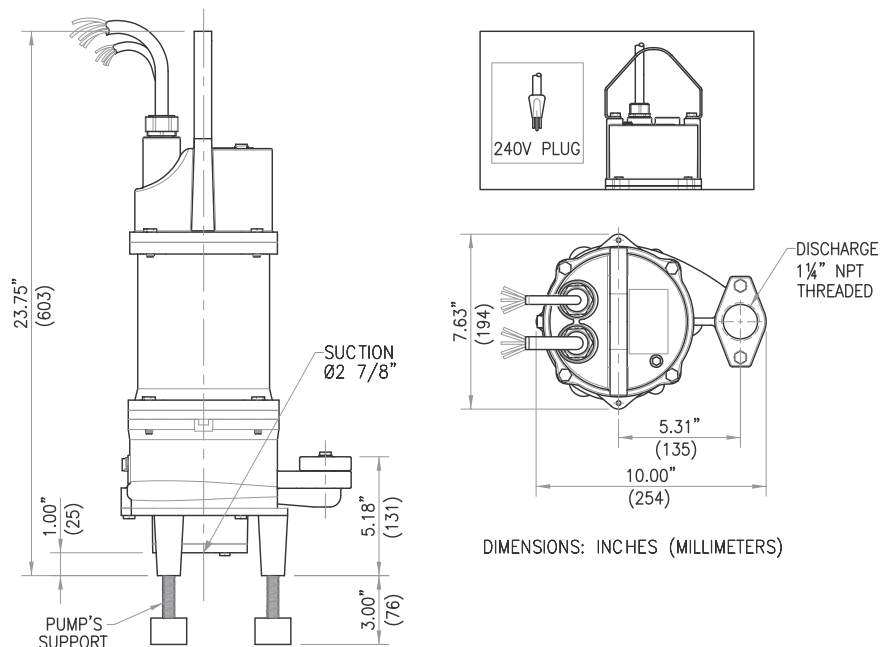
Normally open (N/O) included

TEMPERATURE SENSOR

Normally closed (N/C). It requires a relay in the control panel.

NOTE

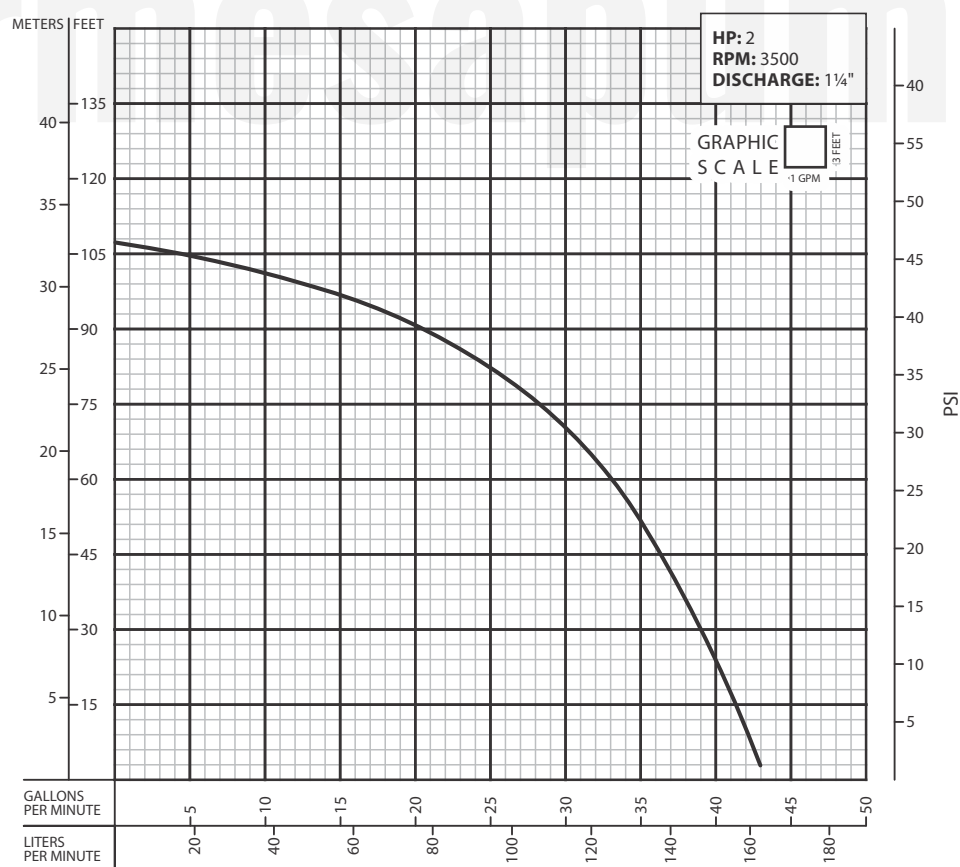
Leg kit is provided with each pump. Installer has the option of using the leg kit or may choose to utilize an SRC125 Slide Rail System with base.



MODEL	PART No.	HP	PH	V	A	LOCKED ROTOR AMPERAGE	CORD SIZE	CORD TYPE	INTERNAL CAPACITOR	MOISTURE SENSOR	WEIGHT (lb)
BGP202DS ¹	72100101	2	1	208/230	16/14.5	23	12/3	SOOW	No	Yes	130
BGP203DS	72100102	2	3	208/230	9.8/8.8	22.5	12/4	SOOW	n/a	Yes	130
BGP204DS	72100103	2	3	460	4.4	11.3	12/4	SOOW	n/a	Yes	130
BGPC202DS	72100104	2	1	208/230	16/14.5	23	12/3	SOOW	Yes	No	130
BGPC202DSA ²	72100105	2	1	208/230	16/14.5	23	12/3	SOOW	Yes	No	130

¹ Includes the capacitor and relay kit with the pump

² Includes the level control with the pump



IMPORTANT!

1. Do not use the pump to handle explosive or corrosive liquids.
2. This pump is not approved for use in swimming pools, recreational facilities, or any application where human contact with the pump is common.
3. Do not operate the pump dry for extended periods; this may damage the motor or the seal.
4. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.