

MDI

EOR

EOR Replacement Grinder Pump Package

Turnkey Replacement Package

Fully Assembled

Simple Fast Installation

- Lower into Place
- Latch Arm over Pipe
- Mating Plug Connection

No Modifications to Existing System

Operates with same Control Panel

Superior Pump Performance

Reliable Operation

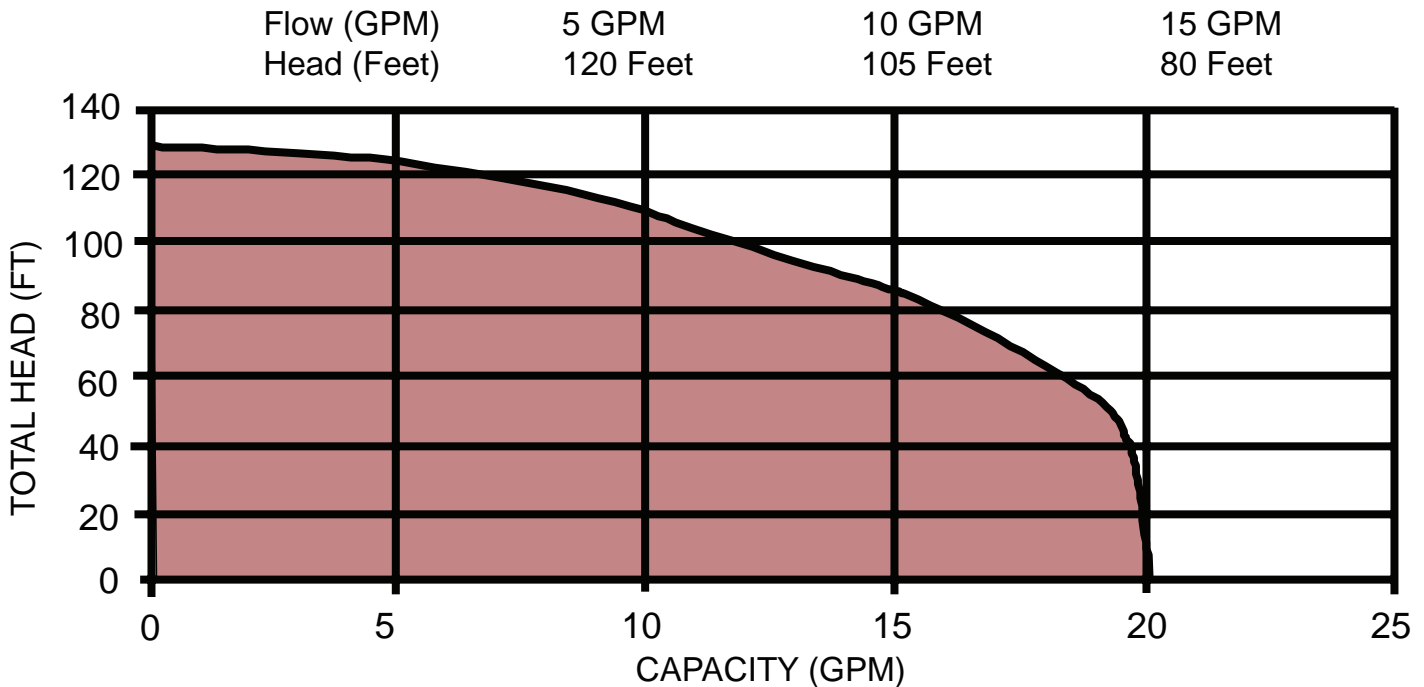


The **MDI** Advantages:

- *Fits into Existing System - No Changes*
- *Eliminates Existing Problems*
- *Better Pump Performance - More Flow*
- *Reduces Service/Maintenance Issues*
- *Saves Money!*

G2-21HI Pump Specifications

Performance Curve



Pump Specifications:

G2-21HI

2 HP Dual Seal Grinder Pump

Internal Start Components - High Head

The MDI G2-21HI series centrifugal grinder pumps easily handle residential, light commercial or industrial sanitary waste, reducing it to fine slurry. The G2-21HI pump is designed for use in pressure sewer applications or any piping network.

The recessed vortex impeller design of the G2-21HI grinder pump provides trouble free, non-overloading operation over the entire performance curve. The G2-21HI pump produces capacities to 20 gpm with heads to 130 feet.

The modular design provides quick access to the internal start capacitor kit. Hardened stainless steel grinder assembly and many quality features:

The G2-21HI series pump features:

- Strong, 2 HP, 208 / 230 volt motor
- Internal start component (no control box required)
- Potted cord cap assembly
- Dual silicon carbide shaft seals
- 3 Bearings
- Pressed in motor



G2-21HI - Features and Benefits

1. Triple Sealed Cable Entrance

Stainless steel strain relief cord grip with compression grommet protects outer cord jacket. Epoxy filled inner cord cap with individually soldered wires provide anti-wicking moisture protection to the motor even if power cable is cut or damaged.

2. Internal Start Kit

Start / Run capacitor with relay securely positioned in dry compartment. Rubber compression grommet for wire leads to motor prevents oil from entering chamber. 4 bolts quickly removes cord cap for easy servicing.

3. Modular Pump Design

Commonality of parts across the pump product line minimizes the amount of parts required for servicing. Heavy duty ASTM A48, Class 30 cast iron components.

4. Strong Motor

High torque for powerful (208/230v 1-Phase) and reliable pump operation. Pressed stator securely holds motor and efficiently transfers heat. Class F insulation with overload protection in oil filled chamber for cool operation and long motor life.

5. 3-Bearing Support

Motor / Pump shaft securely held with upper and lower ball bearing plus addition sleeve bearing in lower seal chamber. Long 50,000 hour B-10 bearing life.

6. Double Mechanical Seal Protection

Dual silicon carbide mechanical shaft seals provide twice the moisture protection for the motor. Dual seals are housed in a secondary oil filled seal chamber. Tougher silicon carbide seals better handles sand, grit and abrasive materials.

7. Non-Overloading Hydraulic Design

The recessed centrifugal impeller allows 100% performance curve operation from shut-off to maximum flow without damage to the pump or system. The recessed vortex impeller is out of the passageway of fluid flow, eliminating concerns of blockage or wear.

8. Proven Grinder Assembly

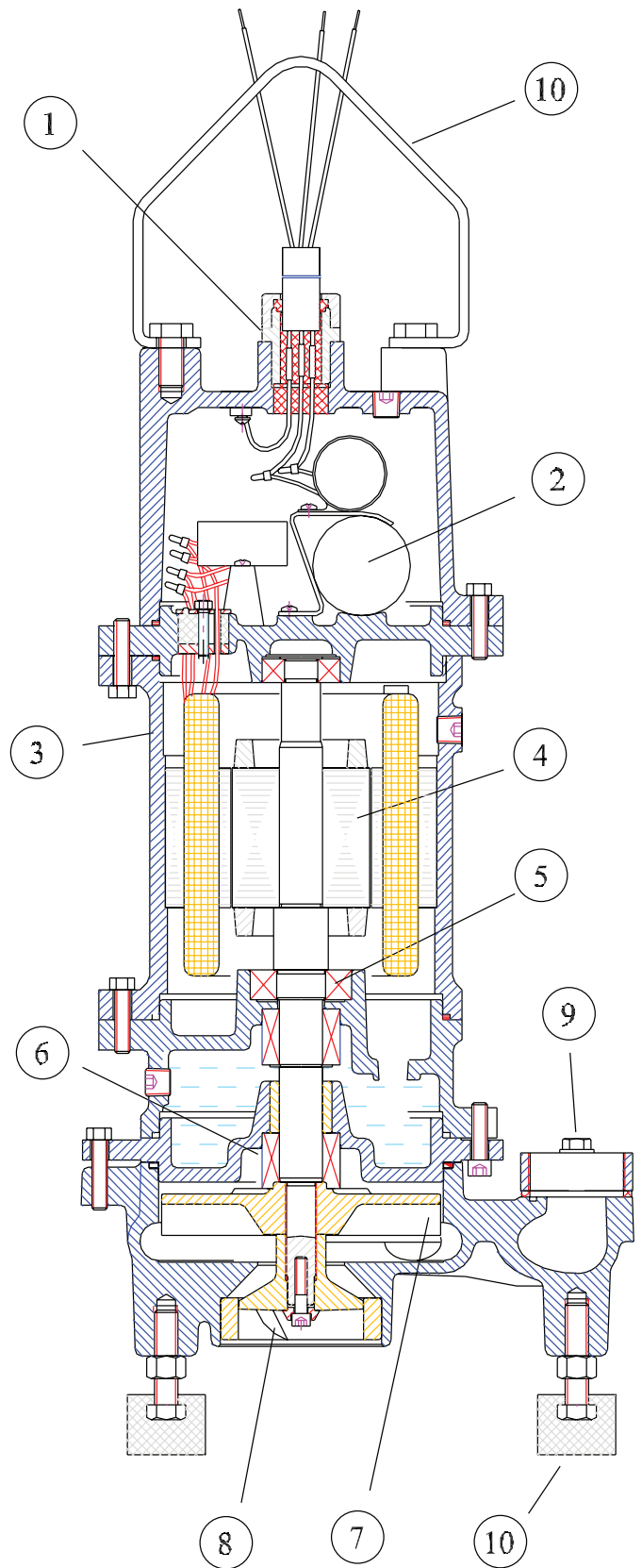
Hardened (Rockwell 56-60) stainless steel grinder assembly has 30+ years proven field experience. The reversible grinder ring and grinder impeller effectively reduces solids into a fine slurry, easily passable in a piping system without concerns of clogging. Highly efficient 7,400 cuts per second.

9. Easy Piping Connection

Removable 1-1/4" NPT connection flange for simple and easy connection to discharge piping.

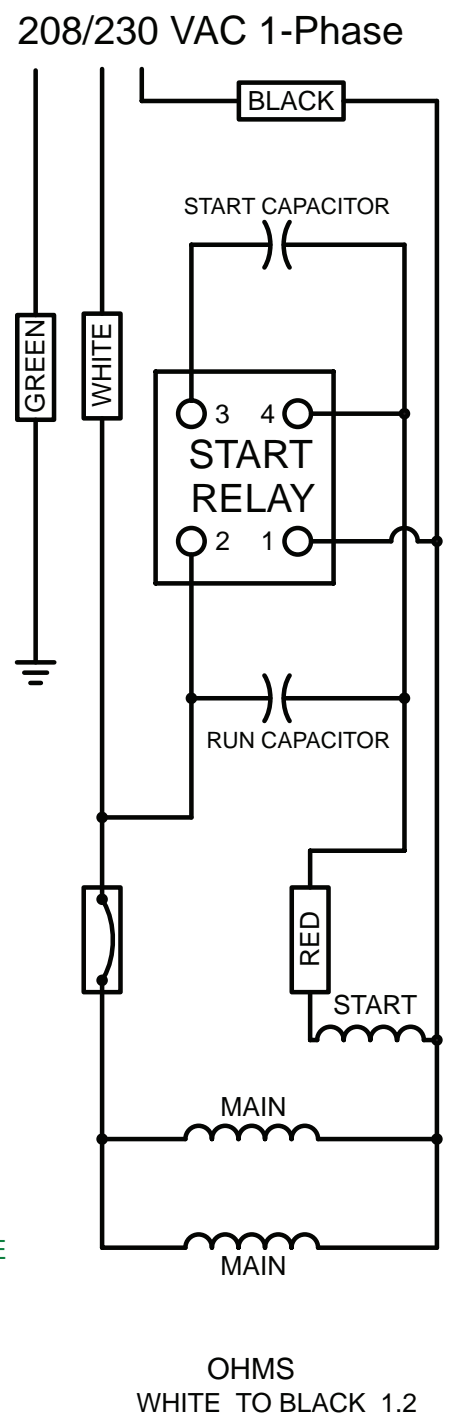
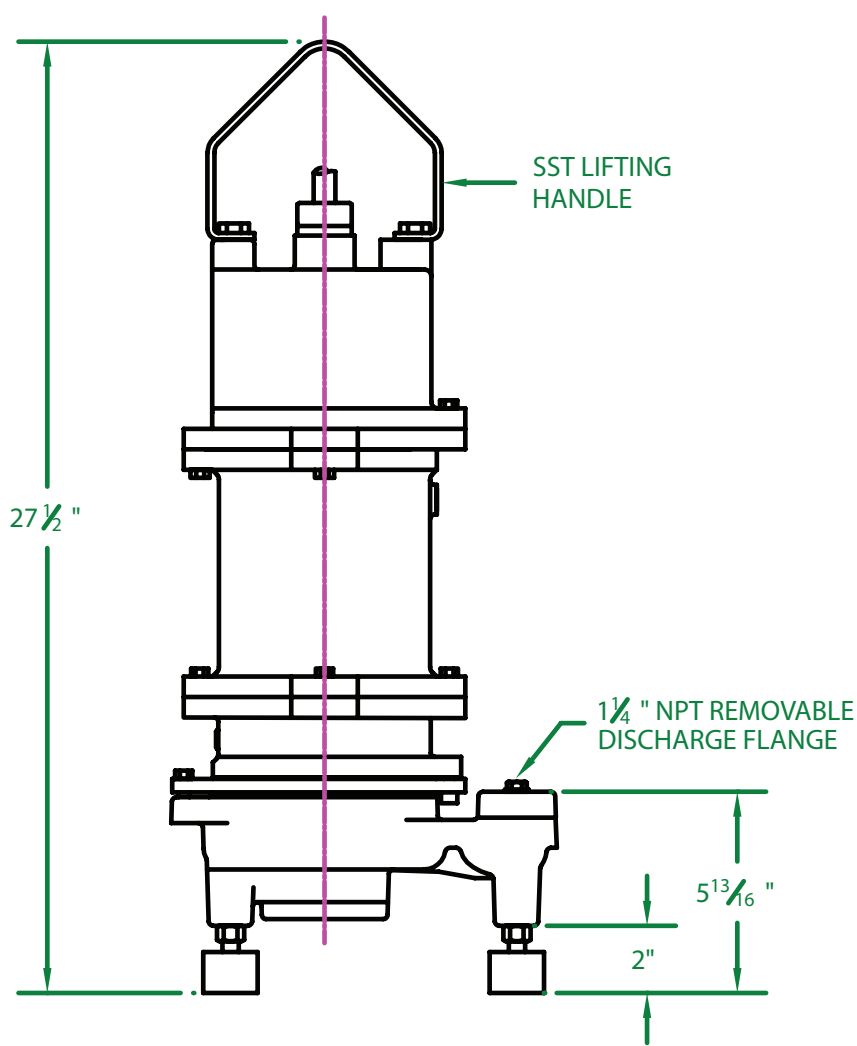
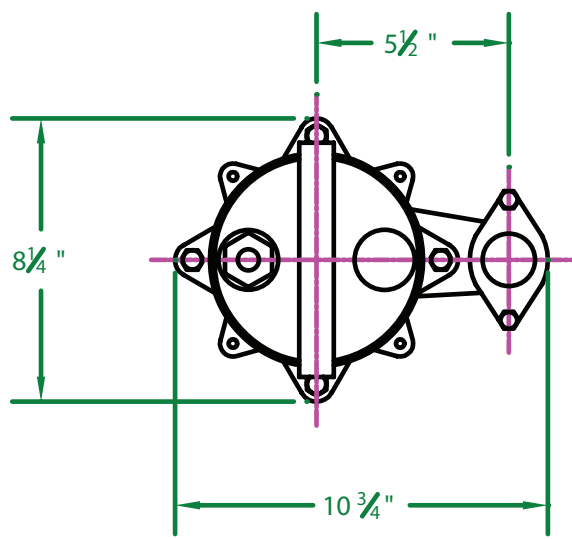
10. Accessories Included

Stainless steel lifting handle and anti-vibration rubber mounting feet are included with the pump.



**Assembled
in U.S.A!**

Grinder Ring	8 Slots	Pole / Rate Speed	2 pole / 3450 RPM	HP / Service Factor	2 HP / 1.59
Impeller Dia.	5.625"	Start Capacitor	150 mfd, 250V	Rated Current	14 / 12.8 Amps
Impeller Vanes	12	Run Capacitor	30 mfd, 370V	Starting Current	28 Amps
Impeller Type	Recessed Vortex	Rated Power	208/230V 1-Phase	Insulation Class	F



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Title: 2HP 208/230 VAC Internal Start Grinder Pump

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