

## PGPT Turbine Grinder Pump



*Low amp, high torque motor*

*Higher heads than progressing cavity and leading centrifugal pumps*

*Exclusive Slicerator™ cutting system backed by over 40 years of excellence*

**BARNES<sup>®</sup>**  
**PRO Grind Series**  
**Just Got**

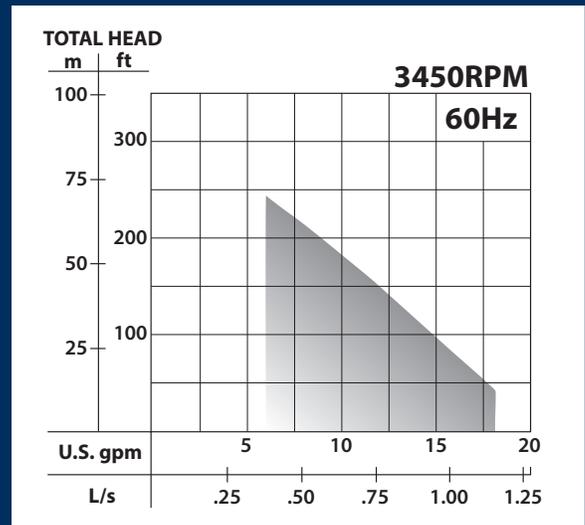
**TOUGHER**

# PGPT Turbine Grinder Pump

Backed by the dependability and longevity of the Barnes reputation in submersible pumping, the PGPT Turbine Grinder Pump is the newest extension of the PRO Grind Series. The PGPT has market leading head output combined with superior cutting technology providing the best possible solution for the most challenging commercial, residential, and industrial wastewater environments.

The PGPT operates at only 12.5 max amps using a 1 horsepower oil-filled motor, but produces the cutting power of over 400,000 slices per minute. The lower amp draw allows the unit to work on a standard 15 amp protected line. This eliminates the need to upgrade the electrical system or control panel.

The hydraulic design of the PGPT features the high head of the turbine style impeller along with our Exclusive Slicerator™ grinding system, making it a superior option over the progressing cavity and centrifugal style pumps. For added longevity, an abrasion resistant coating is applied to the volute and stainless impeller, giving it an added layer of protection against finely chopped solids travelling through the passageways.



## Applications:

- Industrial Wastewater
- Commercial Wastewater
- Water Transfer
- Residential Sewage

## Technical Data:

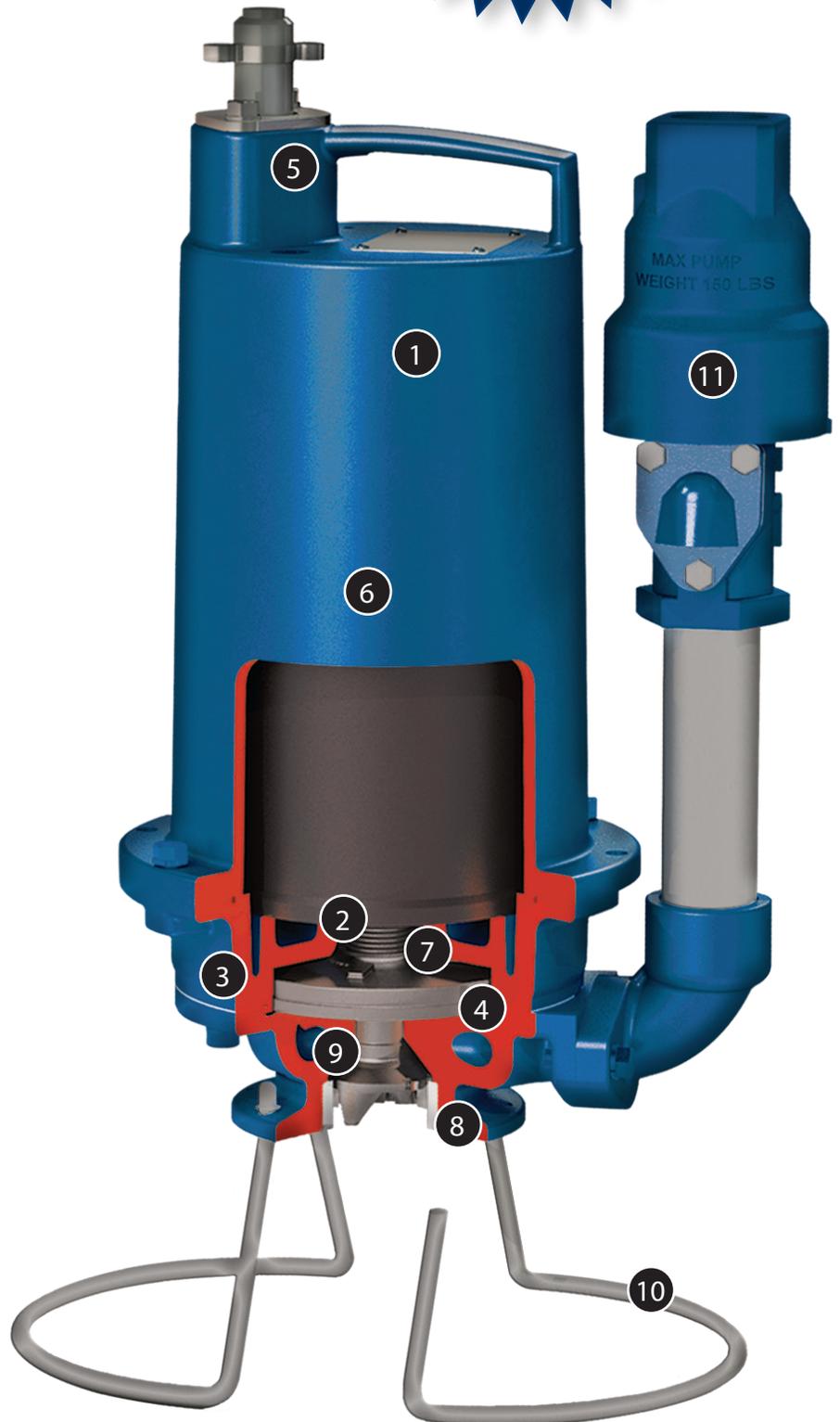
- Heads to: 240'
- Flows to: 18 gpm
- Discharge Size: 1.25" NPT
- Horsepower: 1
- RPM: 3450



## Exclusive Slicerator™

The staggered slicing action of the grinder radial cutter dramatically reduces the torque requirement of the motor, cuts with less horsepower, and increases the unit's efficiency. This helps prevent clogging with particularly troublesome objects such as plastic, rubber, sanitary napkins, disposable diapers and cloth items.

- 1. High Torque Motor**  
eliminates jamming during grind cycle
- 2. Abrasion Resistant Silicon Carbide Seal** with reduced operating pressure increases seal life
- 3. Abrasion Resistant Coating** on impeller and casing reduces wear to extend pump life
- 4. Industry Leading High Head Hydraulics** with a turbine impeller reduce amperage draw
- 5. Quick Disconnect Cord** simplifies maintenance and installation
- 6. Oil- Filled Motor** lubricates bearings and provides superior heat transfer
- 7. 7/8" Shaft with Short Overhang** minimizes deflection at seal and cutter
- 8. Keyed Grinder Assembly** allows tighter tolerances and better cutting of tough objects
- 9. Exclusive Slicerator™** hardened stainless steel radial cutter eliminates clogging with over 400,000 slices per minute
- 10. Integral Corrosion Resistant Stainless Steel Stand** ensures adequate clearance from bottom of basin
- 11. Integral Flapper Style Check Valve & Stainless Steel Nipple** with Anti Siphon aides in the breaking up of solids





A Crane Co. Company

## PUMPS & SYSTEMS

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**burks®**

**DEMING®**

**WEINMAN®**



**PROSSER®**