

BARNES[®]
BY CRANE PUMPS & SYSTEMS



UPGRADE CORE



UPGRADE TO PERFORMANCE WITH RAZOR GRINDER PUMPS

The Barnes Upgrade Cores allow operators and service providers to upgrade competitor's grinder pump stations with a Barnes Razor grinder pump with a quick and easy drop in replacement.

Crane Pumps & Systems Pressure Sewer design utilizes a two-stage centrifugal pump to allow reduced life cycle costs and a higher degree of reliability.

The Barnes two-stage centrifugal pump reduces life cycle cost and ensures a higher degree of reliability. Pressure sewer systems that utilize progressive cavity pumps are at a higher risk for failure due to continual pump and stator wear. Progressive cavity pumps see drastically reduced pump life when exposed to sand and grit or high system head conditions. Barnes two-stage centrifugal pumps are able to pump at nearly twice the flow rate of progressive cavity pumps, keeping your system scoured, while suffering no damage at high or shut off head conditions. This results in a mean time between service calls of over 10 years.

Plug and play cords available for both E/One 2000 Series and E/One Extreme models



Two-Stage Centrifugal Pump Benefits:

- Provides continuous operation at heads over 180 feet and greater performance capabilities compared to progressive cavity pumps.
- One pump can scour a 2" force main in most cases.
- Two vortex impellers provide continuous operation at any point on the curve without overloading the motor.
- No constant wear components such as a rubber stator, resulting in fewer service calls.
- Can run continuously at shutoff head without damage. No elaborate controls or closed valve protection required for high wear components as required with progressive cavity pumps.

* E/One® is a registered trademark of Environment One Corporation and is not affiliated with Barnes Pumps.

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Fixed Discharge Upgrade Core

The Barnes Fixed Discharge Upgrade Core uses the Barnes RAZOR ZOGP Grinder Pump and provides a drop-in ready package that fits directly into E/One 200, 2000 and Extreme D-Series stations.



Universal Upgrade Core

The Barnes Universal Upgrade Core uses the Barnes RAZOR ZOGP Grinder pump and is designed to fit into a variety of grinder pump stations with a versatile 1.2" NPT discharge connection.

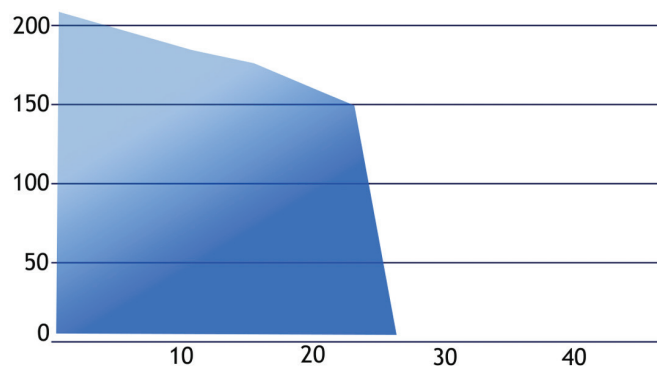
Features:

1. **Three Year Warranty**
2. Drop-in discharge connection easily fits into fixed discharge, flex hose or hard piped connection.
3. Patented axial cutter won't jam or clog.
4. Flap style check valve with anti-siphon
5. Grinder pump is powder coated cast iron with all stainless hardware, providing resistance to corrosion.
6. 2 HP Centrifugal pump design empties basin in half the time with greater life than progressive cavity design.
7. Independent level control and pump allow for easy removal and inspection of either item.
8. Quick-connect fittings simplify electrical connection.
9. ESPS sealed pressure switch controls pump with no exposed electrical components.
Float controls also available.

Why a Barnes Upgrade Core for your system?

- Reliability you can count on
- Reduces operational and maintenance costs
- Higher discharge pressure and increased flows improve force main scouring
- Reduced pump weight for easier installation
- Increased pump life
- Basin mixing capabilities eliminate odor problems and solids settling
- Third party NSF 46 rating ensures market leading grinding capabilities

RAZOR PERFORMANCE RANGE Razor ZOGP





PUMPS & SYSTEMS

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