

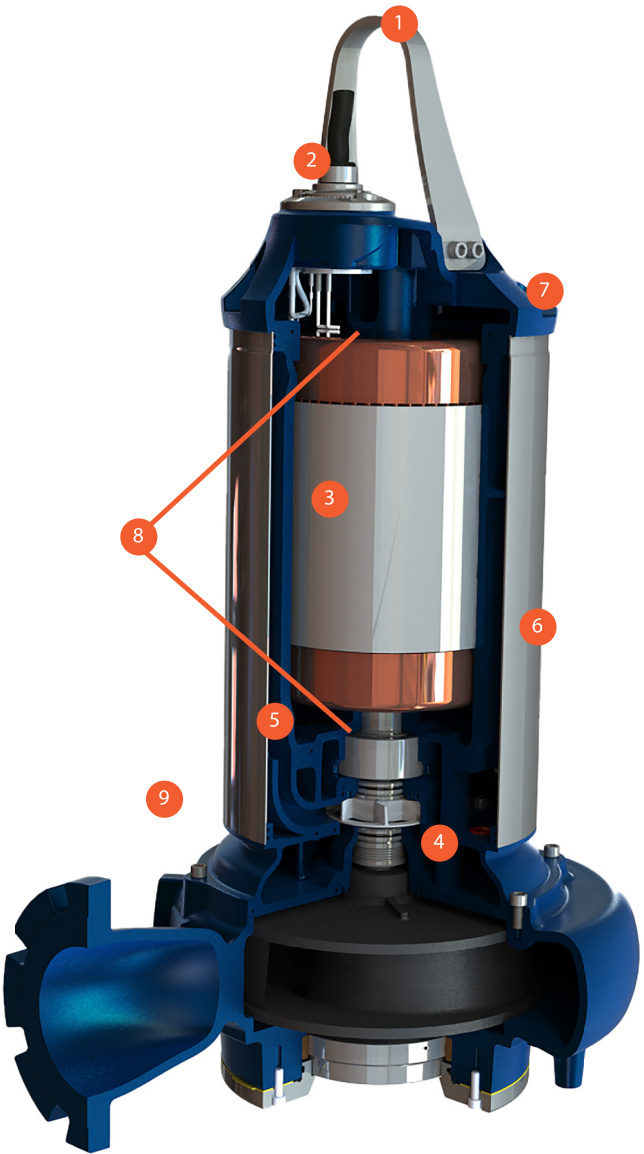
VERSATILITY MEETS HIGH PERFORMANCE

The envie³ series portfolio is the next generation of dry pit submersible pumps that can run in wet and dry applications. These pumps took Barnes’ proven solids handling and chopper wet ends and outfitted it with a premium efficient/IE3 motor that can run in both vertical and horizontal configurations. The envie³ is Barnes’ most versatile and efficient solution to date that will solve clogging problems in any application.

FEATURES AND BENEFITS

- Patent pending, **closed loop glycol cooling system** that keeps motors stress-free, even in the most demanding applications
- **Premium efficient, IE3 motor** that delivers significant energy savings versus traditional motor offerings
- **Available for both solids handling and chopper pumps;** one of the market’s most flexible solutions
- **Made in the USA** with best in class manufacturing lead times
- Available in **both vertical and horizontal configurations**, and offered with a variety of user-friendly mounting hardware options
- **Easy to service** with plug & play cord and commercially available mechanical seals and bearing components
- **Rugged and modern design** that looks great out of the box, and will withstand the test of time.
- **Suitable for shallow wells, high water tables, and rocky terrain**
- **High Temperature** option (140°F/60°C) available for the harshest applications
- Extensive **sensing package** available for the E36 Frame for reliable protection

- 1 Large Stainless Steel Handle
- 2 Plug & Play Quick Connect Cord
- 3 IE3 Premium Efficient Motor / VFD Ready
- 4 Tapered Keyed Shaft
- 5 Closed Loop Cooling System
- 6 Stainless Steel Outer Shell / Stainless Steel Hardware (Cast Iron Shell on E36 Frame)
- 7 Resicoat R4 Powder Coating
- 8 High Capacity Sealed Bearings
- 9 Explosion Proof Option



ENVIE³ CHOPPER RANGE

		Speed		
		1750	1150	870
Discharge Size	3"	5–7.5 HP		
	4"	5–100 HP	7.5–40 HP	
	6"	15–125 HP	7.5–40 HP	
	8"	25–125 HP	10–75 HP	10–40 HP
	10"		25–75 HP	10–60 HP

ENVIE³ NON-CLOG RANGE

		Speed			
		3450	1750	1150	870
Discharge Size	3"	7.5–40 HP	5–7.5 HP		
	4"	7.5–40 HP	5–100 HP	7.5–40 HP	
	6"		15–125 HP	7.5–75 HP	20–50 HP
	8"		25–125 HP	7.5–75 HP	10–50 HP
	10"			25–75 HP	10–60 HP
	12"			75 HP	60 HP



PUMPS & SYSTEMS

Crane Pumps & Systems

420 Third Street

Piqua, Ohio 45356

(937) 778-8947

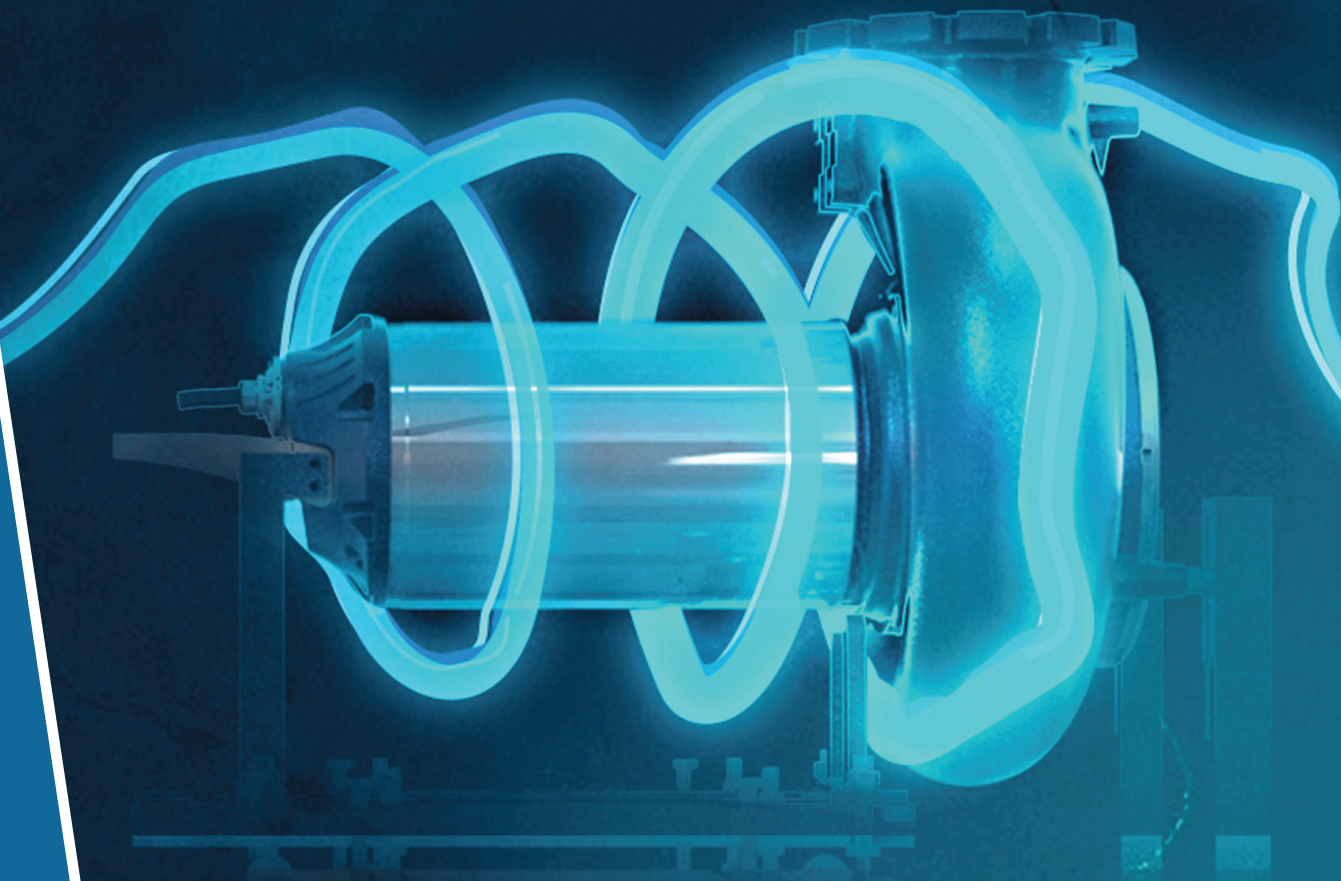
www.cranepumps.com

Crane Pumps & Systems Canada

83 West Drive

Brampton, Ont. Canada L6T 2J6

(905) 457-6223



BARNES[®]

BURKS[®]

CROWN[®]

DEMING[®]

PROSSER[®]

WEINMAN[®]

BARNES[®]

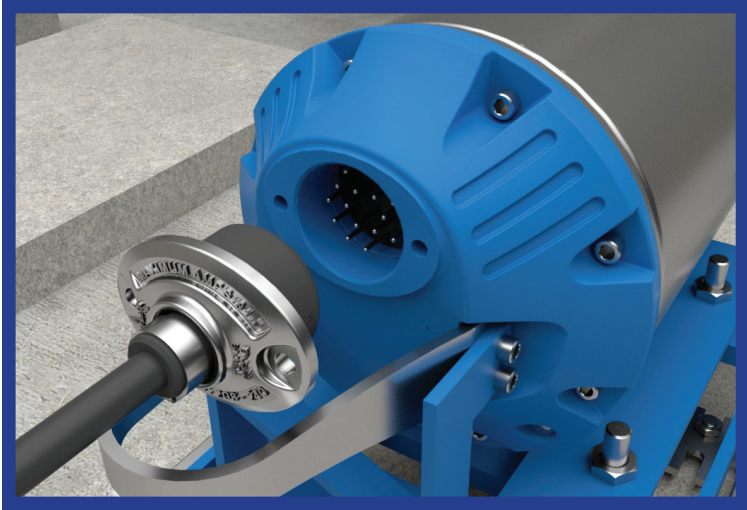
BY CRANE PUMPS & SYSTEMS



Numerous options, kits & accessories for horizontal or vertical installation






Flood proof design equipped to withstand storm flooding



Plug-n-play quick connect cord for easy maintenance and service



Unique, patented open center cutting mechanism for solids reduction

-  **CHOPPER OR SOLIDS HANDLING**
-  **HIGH RELIABILITY**
-  **EASE OF SERVICING**

-  **INDUSTRY BEST LEAD TIME**
-  **ENERGY SAVINGS**
-  **MADE IN THE USA**

WHERE VERSATILITY MEETS HIGH PERFORMANCE

The envie³ product portfolio has a wide breadth of options. From choppers to solids handling, to additional sensing add-ons, we have you covered.

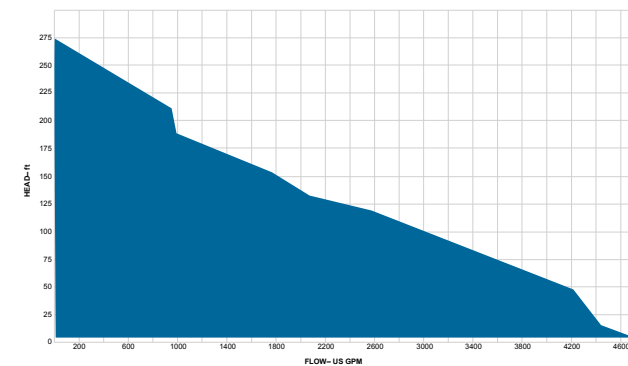


SITHE Chopper pumps are Barnes' solution to highly demanding waste-water applications in both the collection systems and treatment plant applications. SITHE provides superior solid size reduction, high reliability, ease of servicing, and low life cycle costs. The pump's envie³ high efficiency air filled motor is offered in both vertical and horizontal configurations for maximum flexibility. The premium efficient IE3 motor delivers significant energy savings and is easy to service. This dry-run submersible motor combined with our proven chopping hydraulic performance can handle anything thrown its way.

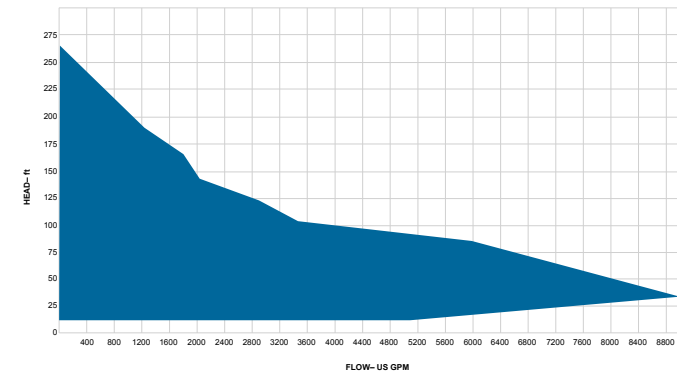


Barnes Submersible Solids Handling impellers are designed for outstanding clogging resistance and optimal pumping efficiency. The Barnes envie³ SH solids handling platform can be used for even the toughest wet-well or dry-pit applications providing a higher efficiency performance. The envie³ pump has the ability to run both submerged or dry-run which eliminates any concerns about storm flooding. When compared to competitors, the close coupled envie³ design is significantly smaller enabling 30%+ space saving when replacing existing pumps. The envie³ also has the capability to use the same impeller for both its solids handling and chopper series.

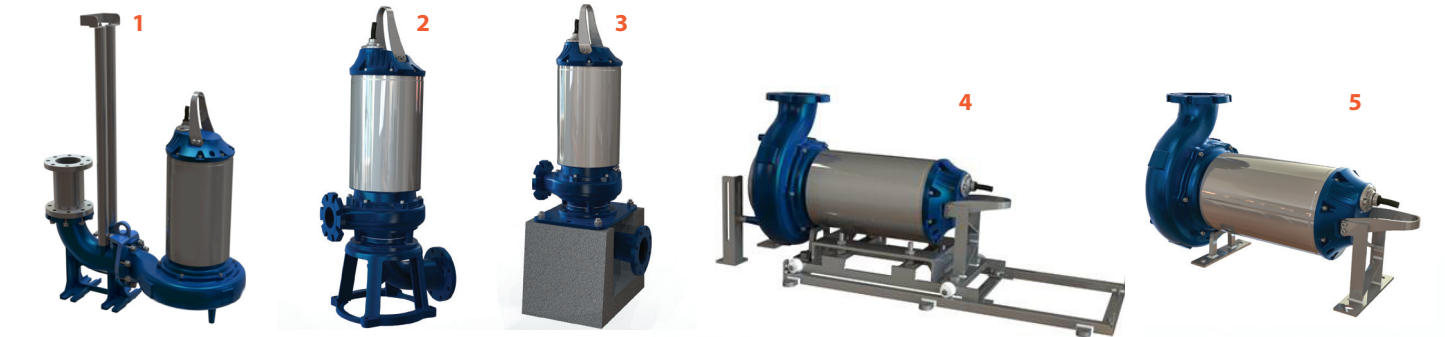
FINAL ENVIE³ CHOPPER FAMILY CURVE



FINAL ENVIE³ NON-CLOG FAMILY CURVE



ACCESSORIES



The introduction of the envie³ introduced an expansion of the Barnes mounting accessories.

- 1. BAF:** Our classic BAF design has not changed, and is fully compatible with the envie³.
- 2. Vertical Stand with Suction Elbow:** A typical dry pit installation, with a twist. The adapter plate allows the pump discharge to rotate 360° to easily adapt to existing piping, whether tangential or centerline.
- 3. Concrete Adapter:** An adapter for use with existing concrete stands, or for new applications requiring a concrete base. This installation also includes the adapter plate allowing for 360° rotation to match existing piping. *Contractor must source concrete*
- 4. Cart System:** The new cart system allows the driver assembly to slide back, while leaving the volute in place and not disturbing the suction and discharge piping. The system is easy to install and allows for less space requirement since there is no need for a crane during installation.
- 5. Fixed Bracket:** A two piece fixed system for horizontal mounting applications.

HIGH TEMPERATURE

envie³ solids handling and chopper pumps are available in a high temperature option, suitable for handling harsh applications. High Temperature envie³ pumps are excellent for use in food processing, metal processing, hospitals, commercial laundries, pulp and paper, and more.

SENSING PACKAGE

The E36 Frame envie³ is offered with an extensive sensing package to provide reliable protection for critical equipment.

Package includes:

- Winding Protection
- Winding Temperature Monitoring
- Seal Chamber Leakage Sensor
- Upper Bearing Temperature Sensor
- Lower Bearing Temperature Sensor
- Excessive Vibration Monitoring

