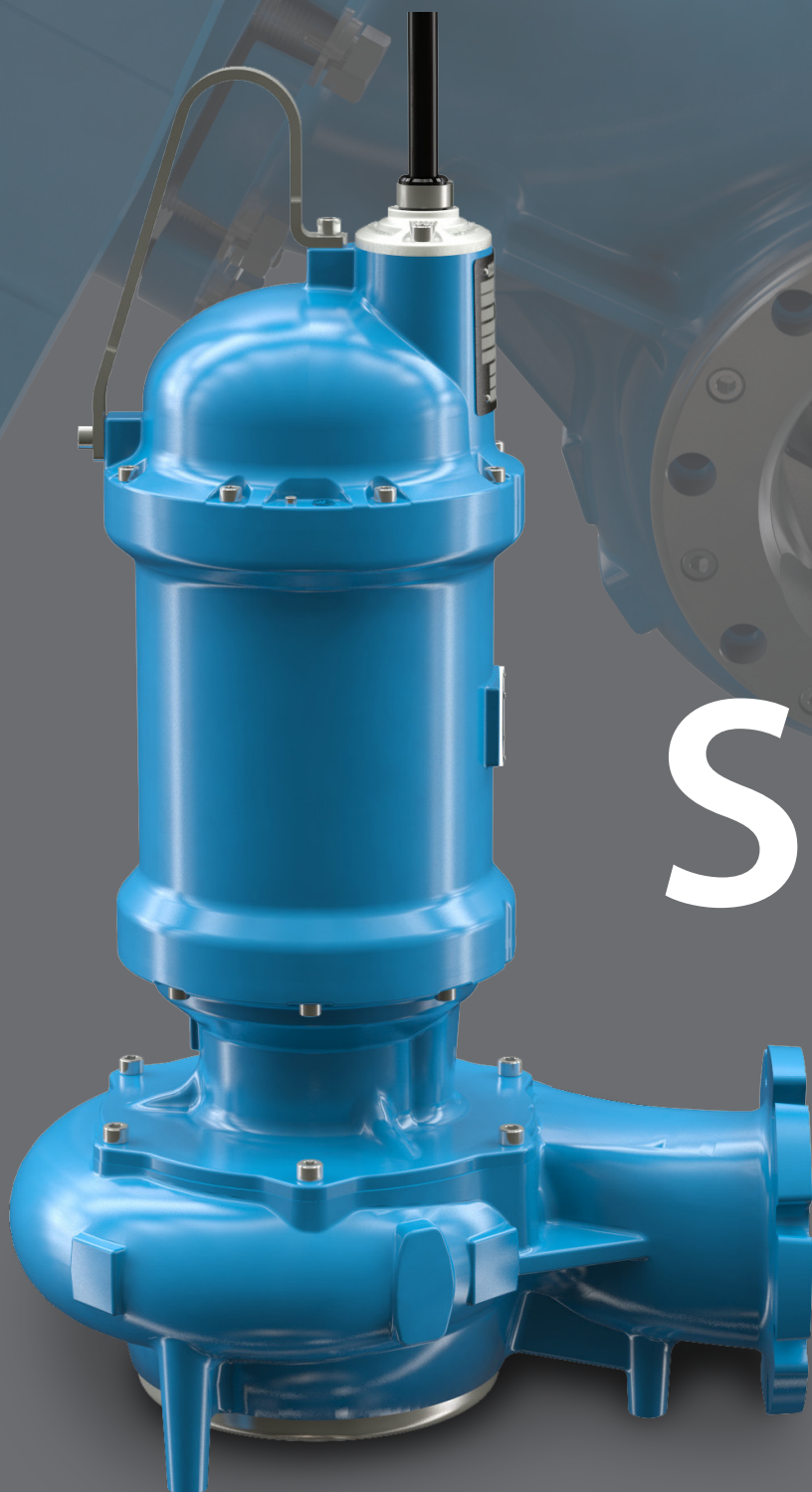


**BARNES®** | SITHE CHOPPER SERIES



**SITHE**  
BY BARNES®

## **Submersible chopper pumps designed to chop and macerate solids in extremely challenging waste water applications.**

Sithe is the solution to prevent pump clogging caused by non-dissolving solids in waste water streams. Easily chops and passes wipes, swiffers, plastic bottles, mops, shirts, nylons ...

Sithe's patent pending slicing mechanism reduces solids to prevent downstream clogging and blockages in piping, valves and head works

Sithe's elegant but rugged design results in industry leading product reliability

Sithe features easily serviceable blades and plug-n-play "quick connect" cord to simplify and reduce maintenance costs

Sithe is available in explosion proof models also.



## **Sithe chopper pumps will solve clogging problems in the most demanding applications**

Trailer Parks • Waste Water Treatment Plants • Truck Stops • Correctional Facilities • Retirement Communities • RV Parks



## Sithe chopper pumps have valuable features including:

- Plug-n-play “quick connect” cord that simplifies maintenance
- Upgradability with current Barnes submersible solids handling pumps
- Liquid cooled motors that have higher heat dissipation
- Proven Barnes mono vane and dual vane non clog impellers
- Non proprietary double mechanical seals
- Moisture detection sensor
- Robust heavy duty bearings cooled in oil bath
- 8 to 10 year mean time between service calls
- Improved efficiencies compared to vortex impellers, reduced acquisition cost and operating cost



Available in 21 & 28 Frames



### Technical Specifications

|               |                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------|
| DISCHARGE     | 4", 6"                                                                                               |
| VOLUTE        | Cast Iron                                                                                            |
| STRIKER PLATE | 440C SS                                                                                              |
| MOTOR HOUSING | Cast Iron                                                                                            |
| SEAL PLATE    | Cast Iron                                                                                            |
| IMPELLER      | Mono Vane & Dual Vane<br>Ductile Iron                                                                |
| SLICING BLADE | 440C SS                                                                                              |
| SHAFT         | 416 Stainless Steel                                                                                  |
| HARDWARE      | 300 Series Stainless Steel                                                                           |
| LIFTING BAIL  | 300 Series Stainless Steel                                                                           |
| PAINT         | Axalta™ Corlar® Epoxy, Two Coats                                                                     |
| SEAL          | Tandem Mechanical,<br>Oil Filled Reservoir<br>Motor End: Carbon/Ceramic<br>Pump End: Silicon Carbide |
| Cord          | Plug-n-play<br>Quick Connect Cord                                                                    |
| SPEED         | 1150 RPM<br>1750 RPM                                                                                 |
| UPPER BEARING | Single Row, Ball, Oil Lubricated                                                                     |
| LOWER BEARING | Double Row, Ball, Oil Lubricated                                                                     |
| MOTOR         | Oil-Filled, Squirrel Cage Induction,<br>Inverter Duty Rated per NEMA MG1                             |
| HORSEPOWER    | 7.5HP to 60HP                                                                                        |
| MAX HEAD      | 170ft                                                                                                |
| MAX FLOW      | 2500gpm                                                                                              |

## Submersible chopper pumps designed to chop and macerate solids in extremely challenging waste water applications

Patent pending cutting system that uses a “Slicing” action versus harsh chopping reducing stress on shaft and mechanical seals

440C Stainless steel heat treated to 53-60 HRC and tempered for toughness

Open center cutter design prevents material buildup and clogging





# BARNES® SITHE CHOPPER SERIES

## Plug-Play-Cord

*"The detachable cable makes maintenance much easier"*

– Jay Roberts, Operator

*"The plug saves you three to four hours pulling the pump!!"*

– Carl Harmon, City of Danville

## Product Availability

Sithe choppers are available with industry leading lead times

This product may be covered by one or more of the following patents and other patent(s) pending:  
US Patent 7,931,473 & 8,128,360

Made in USA



brands you trust.

BARNES® burks® CROWN DEMING® PROSSER® WEINMAN®

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