



## ENGINEERED CHOPPER PUMP SERIES

***"The Rules Have Changed"***

### POSI CHOPPER PUMPS



**800-383-2651**  
**WWW.ENGINEERED-PUMP.COM**



## **EPI PERFORMANCE DRIVEN**

The **ENGINEERED CHOPPER PUMP** is designed for demanding applications where fluids latent with waste products clog conventional shrouded, open and vortex impellers. Not to mention the ancillary problems with downstream piping, valves and head works blockages.

The advent of modern “flushable” materials, and next generation plastics results in clogged pumps, piping, valves, and head works. Adding costly downtime and man hours to remedy the situation. Not to mention possible damage to the pump.

The **ENGINEERED CHOPPER PUMP** incorporates superior three stage chopping design features and materials:

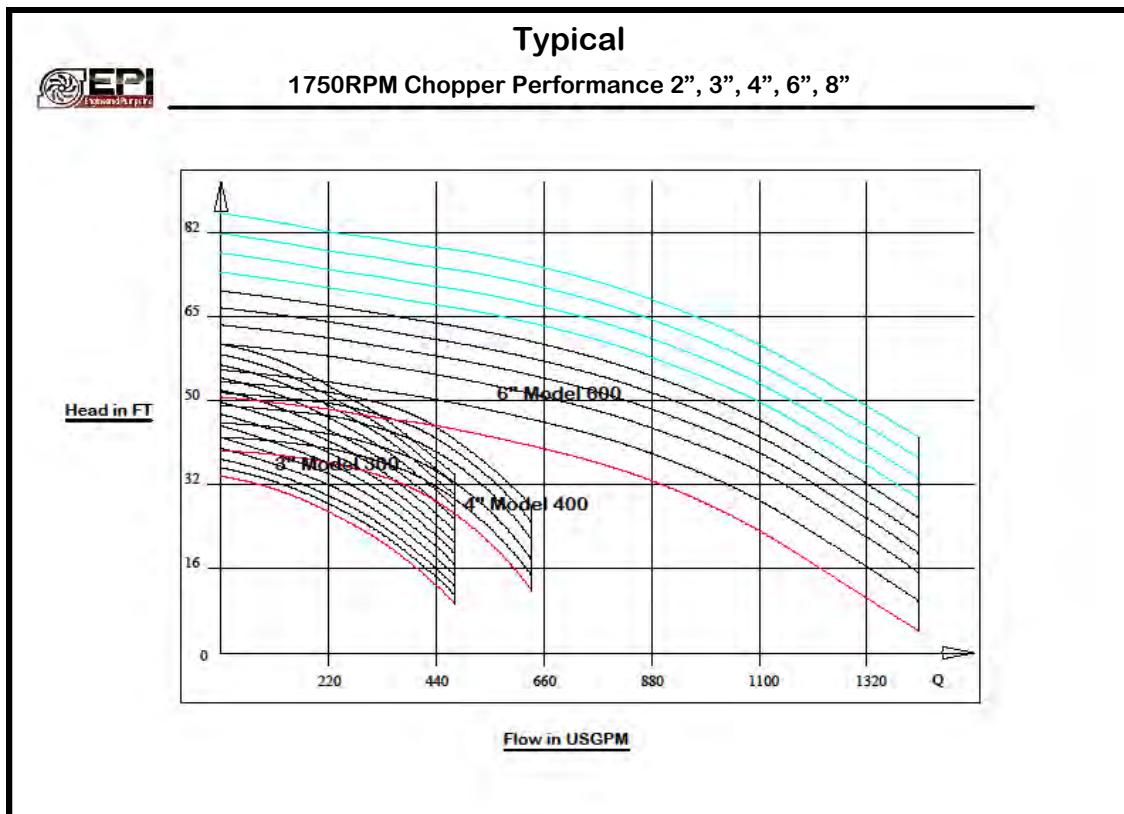
- **UNMATCHED CHOPPING and PUMPING** - 93,500 Chops per minute.
- **RANGE:** 2"- 12", 150HP, Submersible, Vertical or Horizontal dry installations.
- **PATENTED THREE STAGE CHOPPING SYSTEM** - Patented 2 Stage Pumping System.
- **IMPELLER**— 28% HARD CHROME(RC 60+) Open design, profiled leading edge on each blade.
- **SERRATED CUTTER PLATE**—28% HARD CHROME(RC 60+) Inlet and Outlet serrated cutting surfaces.
- **AUGER FEEDER**—28% HARD CHROME(RC60+) Tapered and capable of up to 10% sludge by content.
- **CUTTER BLADES**—D2 TOOL STEEL(RC 60+) Easily adjustable cutter blades.
- **MECHANICAL SEAL**— Robust block design in SS housing with SC/SC, WC/WC faces and Viton O Rings.
- **CASING**—A80 DUCTILE IRON for superior durability.
- **SHAFTS**—Standard 17/4PH.

US Patent 8,657,564  
CA2856067A1

# EPI ENGINEERED CHOPPER PUMP APPLICATIONS

Efficient and rugged enough to handle your most demanding applications. Three stage chopping action, superior materials of construction, and up to 15% sludge handling makes the Engineered Chopper the pump of choice for:

- Wastewater Treatment
- Sewage Pumping
- Storm Water Pumping
- Food Processing
- Pulp and Paper
- Fish Processing
- Agricultural
- Animal Rendering
- Poultry Processing
- Correctional Facilities
- Recreational Parks
- Retirement Centers
- Industrial Processing



## INSTALLATION OPTIONS



## **EPI ENGINEERED CHOPPER PUMP COMPARISON**

## **TYPICAL CHOPPER INLET**



## **TYPICAL CUTTER PLATE**



## **TYPICAL IMPELLER**



## EPI'S CUTTER PLATE/AUGER



## EPI'S ADVANCED CUTTEPLATE

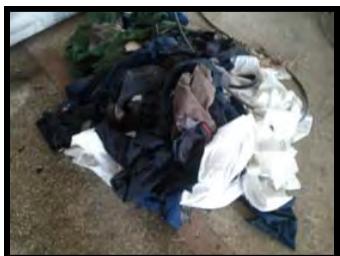


## EPI'S MASSIVE CUTTER IMPELLER



## EPI PERFORMANCE RESULTS

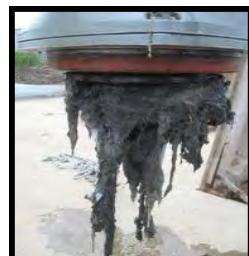
## OLD TECHNOLOGY



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## **EPI CHOPPER TECHNOLOGY**

