

## Why the Pitbull® can solve your toughest sump problems.

### **Problem: Sumps act as clarifiers!**

Conventional pumps sit idle while the sump fill to a high level “on” point which allows solids to settle in the “quiet” water and which results in blinded pumps and filled sumps.

### **Solution: Use a Pitbull® which:**

- will automatically match the incoming flow.
- won't wait for a high sump level to begin pumping.
- will automatically pump at low flows.
- will pass clinkers and large chunks even at low flows or high heads.
- has full pipe sized passages and full port check valves to pass debris from long and stringy to large and hard.
- uses a cyclic pumping action to reduce solids settling and pass large debris that would plug other pumps.

**Problem: impellers, diaphragms, and Seals fail** due to abrasives, corrosives, running dry, high temperatures or cavitation!

### **Solution: Use a Pitbull® which:**

- absolutely will not run dry or try to cycle without liquid.
- has a low internal velocity to dramatically reduce wear from abrasives
- is immune from cavitation,
- has up to 400F temperature limit
- has wetted components available in corrosion resistant alloys and non-metallic

And remember.....

**The Pitbull® requires no electricity and is safe for use in hazardous or explosive environments.**

Chicago Industrial Pump Co.  
822 Schneider Drive  
South Elgin, IL 60177

Innovation Through Simplicity since 1990



Chicago Industrial  
Pump Company

## DO SUMP REPAIRS HAVE YOU IN THE DOGHOUSE?

The Pitbull® works without the components that fail in **slurry** pumps:

**NO IMPELLERS**

**NO SEALS**

**NO SHAFTS**

**NO MOTORS**

**NO DIAPHRAGMS**

**NO FLOATS**

**NO BEARINGS**

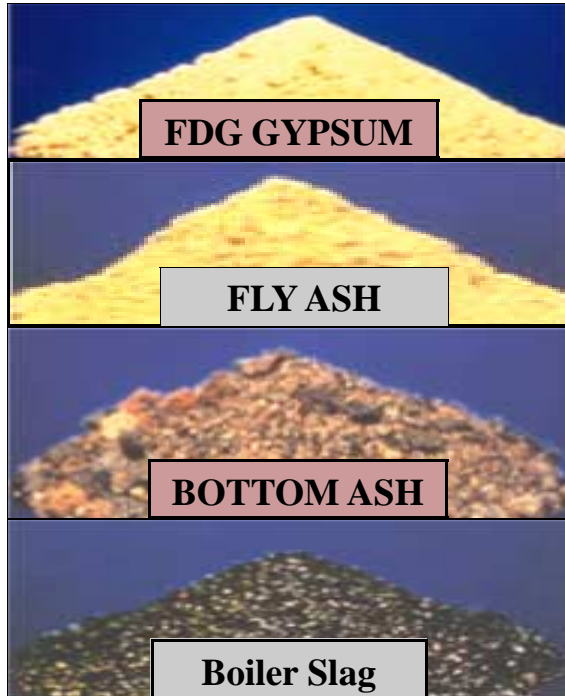


Innovation Through Simplicity  
since 1990

1-888-4PITBULL

Can your pump, pump this?  
For how long?

Unleash the power  
and rugged reliability  
of the one and only  
Pitbull® pump!



The Pitbull® pumps all these  
solids and more.

Then it keeps on pumping long after  
other pumps have failed!

To learn more please visit us on the web at  
[www.pitbullpumps.com](http://www.pitbullpumps.com) where you can:

- See a video of the Pitbull® in action
- See more about it's unique design
- View or download manuals
- View or download specification sheets
- Submit applications for review

## The Maintenance Department's best friend, the Pitbull® handles:

### Bottom and fly Ash

Clinkers and other abrasives eat up impellers, seals or diaphragms but the Pitbull® reliably pumps abrasive slurry from fines to clinkers by **eliminating the parts that cause the maintenance.**

### Coal pile run off

Fines and **chunks** at low pH and low flows.

### Clinker Grinder & Coal Crusher Sumps

**Solids and limited water** make this a poor application for a centrifugal slurry pump but a **perfect one for the Pitbull®.**

### Boiler Blow Down Sumps & Hot Condensate Returns

Not only is this hot steamy environment hard on level controls but we all know how cavitation causes premature failure of centrifugal pumps. The Pitbull® is **not affected by hot liquids or cavitation.**

### Have an Explosive or Hazardous environment?

NO PROBLEM! Utilizing air powered controls the

### The Pitbull® is safe for use in explosive or hazardous areas

such as coal handling and unloading areas that typically generate large amounts of dust.



## Why a Pitbull®?

If it can flow by gravity.....

... the Pitbull® can pump it.

- ♦ Flows of 0 to 2000 gpm.
- ♦ TDH up to 250 ft
- ♦ Full port flow through design
- ♦ Unique pulse pumping action

Available in a variety of styles to fit  
your needs and your budget.

- ♦ Sizes up to 10"
- ♦ Construction materials include:
  - carbon Steel
  - 316SS or 304SS
  - non-metallic
- ♦ Types and configurations include:
  - submersible pump
  - Suction lift sump
  - transfer pump
  - filter press pump
  - sludge/slurry pump.
- ♦ Electro-pneumatic or fully pneumatic Control panels



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