

## CASE STUDY

*Problem:*

# COST SAVING UPGRADE



**R. A. ROSS & ASSOCIATES, INC.**  
2231-A Ampere Drive, Louisville, KY 40299



Chicken processing plant upgrades and saves money through R. A. Ross and Trillium

## SOLUTION:

When R.A. Ross & Associates introduced a local chicken plant to the Trillium self-priming pumps, they were very excited by what they saw. The tool-less shimless impeller adjustment, the Buzz Saw wear plate, and superior materials of construction were among the main features they liked... and wanted! However they were currently using the Gorman Rupp self-primer pumps and could not justify replacing the pumps as their pumps were still fairly new. With their "one step ahead" style of thinking Trillium had that problem solved. When designing the Trillium self-priming pump the Gorman Rupp design was taken into consideration. The rotating assembly in the Trillium pump is a direct bolt in for the Gorman Rupp casing making it possible to upgrade a Gorman Rupp self primer to have the benefits of the Trillium self primer at a lower cost than replacing the entire pump.



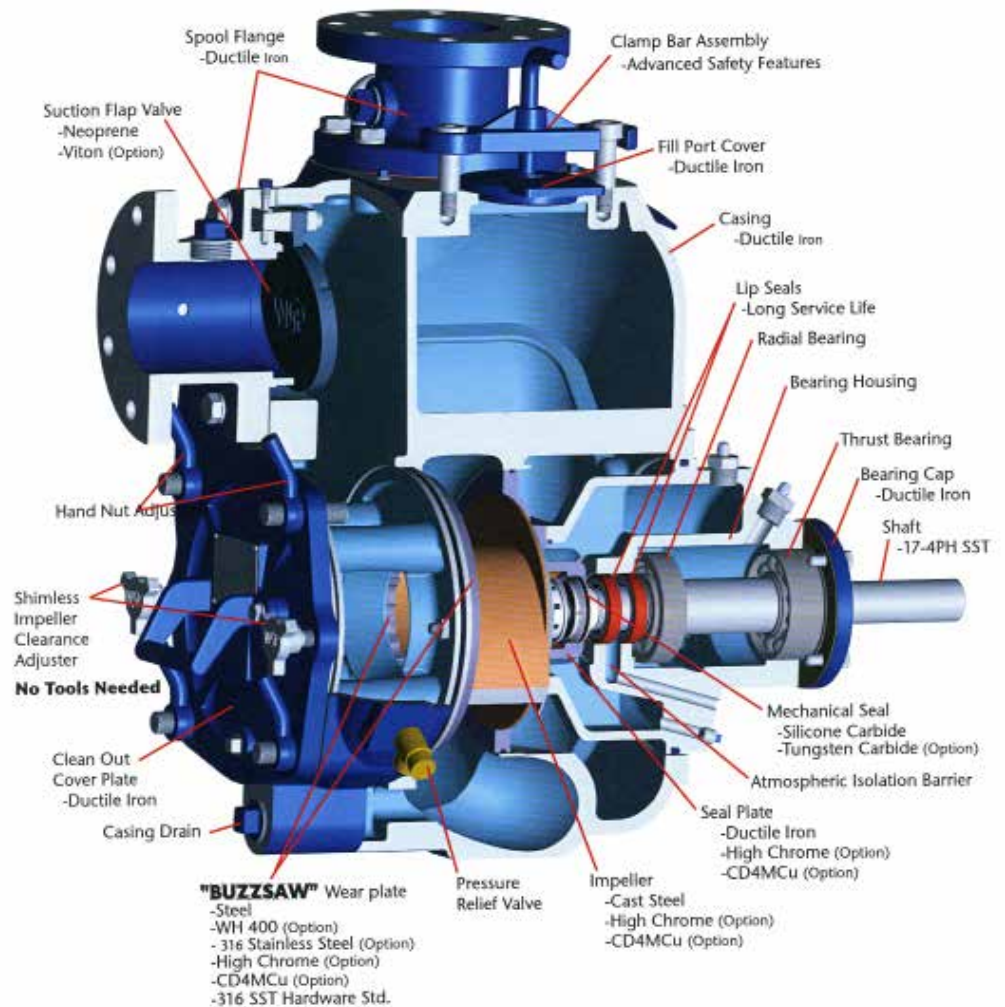
The Trillium Self-Primer solids handling pump with Buzzsaw technology. (See reverse side for exploded view and features.)

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When a rotating assembly from the Gorman Rupp pumps would go down, rather than rebuilding the assembly, a new Trillium rotating assembly and cover were swapped into the Gorman Rupp pumps. This change out gave them the benefit of superior materials of construction like ductile iron over cast iron for the bearing housing, cast steel over ductile iron for the impeller, stainless steel 17-4PH over regular steel for the shaft, and a one piece stainless steel impeller bolt instead of a steel bolt and washer. They also gained the patented self cleaning Buzz Saw wear plate designed to cut or shred material as it comes into the impeller to reduce clogging of the pump.

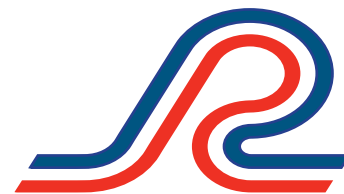
While there are many other benefits to the Trillium self-primer, like advanced safety features and an easily removable flap valve, it's sometimes not economical or possible to replace a working pump. With that in mind Trillium has made a superior product even more beneficial with the ability to upgrade competitors' pumps.



## CONTACT US

Call us for information on how we can help solve your problems in any of the following areas:

- ▶ Pumps
- ▶ Blowers
- ▶ Filters
- ▶ Mixers
- ▶ Tanks
- ▶ Vacuum Pumps
- ▶ Mechanical Seals
- ▶ Heat Exchangers
- ▶ Repairs



**R. A. ROSS & ASSOCIATES, INC.**

*Keeping process flowing since 1985*

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