

*Triton® White Paper*

### Advantages of Triton® Liquid Ring Vacuum System

- Inherently safe:
  - No metal-to-metal contact between rotor and housing
  - Can handle flammables without risk of spark; isothermal compression
  - ATEX certified; T-5 Temperature Class
  - Available in Class 1 Division I or II Hazardous Classification
- Vacuum created by spinning water:
  - Tolerates entrained solids and liquids passing through the pump
  - Creates very deep (27" Hg) vacuum
- Low operating noise
- Very low maintenance level compared to other pumps
  - No oil levels to maintain in pump
- Very forgiving operation conditions:
  - Automatic water fill nozzle, but if you run low on water, you simply lose vacuum....add water, and vacuum returns
  - Can add coolant to water for freezing climates



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*03/13/12*