

## PureWorx™ SVT (Sliding Vane Technology)

Dry Vacuum Pump Solution  
For VRUs

### Another Option With Big Advantages.

After introducing rotary screw dry vacuum pump technology and installing more than 150 worldwide, John Zink Hamworthy Combustion introduces the latest dry vacuum pump innovation for VRUs: PureWorx SVT (Sliding Vane Technology). PureWorx SVT is an alternative solution to liquid ring technology that is more compatible with gasoline additives such as ethanol and reduces power consumption, waste disposal, and system complexity. This new technology gives our customers two efficient, cost-effective, reliable dry vacuum pump options to choose from.

#### At A Glance

Our exclusive PureWorx SVT is available in larger capacities and will decrease the rotating equipment associated with larger systems. It also offers a number of advantages compared to the rotary screw dry vacuum pump:

- + **Once-Through Oil Lubrication:** Keeps bearings continuously lubricated while reducing the risk of product contamination in lube oil.
- + **Pump Runs Dry:** No liquid product injection required for cooling.
- + **Regeneration Pressure of 2" HgA (70 mbarA):** Can be achieved at full pump capacity.
- + **Wide range of Capacities:** 100-2100 acfm (170-3570 m<sup>3</sup>/hr) available.
- + **Lower Operating Speeds:** Less wear and tear, less equipment noise.
- + **Long Lasting:** More than 3-year bearing and seal life expected.
- + **Easy Replacement:** Bearing and seal replacement can be done in the field.



*PureWorx SVT offers pure performance compatible with gasoline additives such as ethanol.*



## PureWorx™ SVT vs. Other Vacuum Technologies

When compared to other vacuum technologies available in the marketplace, a Dry Vacuum Pump solution with our exclusive PureWorx SVT offers tangible advantages that can positively impact your VRU performance and your overall bottom line.

- + **Runs Dry:** No contamination of product with liquid seal.
- + **Requires Less Horsepower:** Reduced horsepower requirements help lower operating costs.
- + **Reduces Disposal Costs:** No costly glycol seal fluid disposal.
- + **Simplifies Operation:** Utilizes a simple, two-stage machine where the stages are coupled by a single shaft and directly driven with a single motor.
- + **Utilizes Proven Technology:** Innovative application of proven technology for reliable performance.
- + **Leverages Experience:** Backed by our years of experience and expertise in hydrocarbon service for the refining industry.



Contact us  
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