

**AirVantage®**

SAVE Energy • SAVE Compressor Cost • SAVE Operator Cost

**RE**

 **AirVantage®**  
ENERGY SAVING TECHNOLOGY

**NEW**



US Patent # 7,521,921.  
Other Patents Pending

## Redefining Performance

- Reduces air consumption up to 50%
- Adapts to process conditions
- Powered only by compressed air
- Saves energy while maintaining flow
- Increases productivity
- Reduces compressor maintenance
- Drop-in center section upgrades fit competitor pumps

### Testimonial

"At Saint Gobain, we took the 30-Day Energy Savings Challenge within our facility and **reduced our energy cost by 23% while maintaining our desired flow rates.**

It was simple. All we did was install the trial AirVantage™ pump and it did the rest. We were surprised to learn that we can save as much as **\$1,200 in energy costs and increase our air compressor capacity by 2.5 HP per pump.**

We were very satisfied with the performance of the new system, and we plan to use AirVantage™ on all AODD pumps in the future."

**Rick Klok**

Plant Manager  
Grains and Powders Manufacturing Facility  
Saint Gobain • Niagara Falls, NY



**No Wiring or Batteries!**

• Self contained 12V power generator



**No Manual Setting!**

• Auto adjusts to your process conditions

  
**VERSA-MATIC®**  
WWW.AIRVANTAGEPUMP.COM



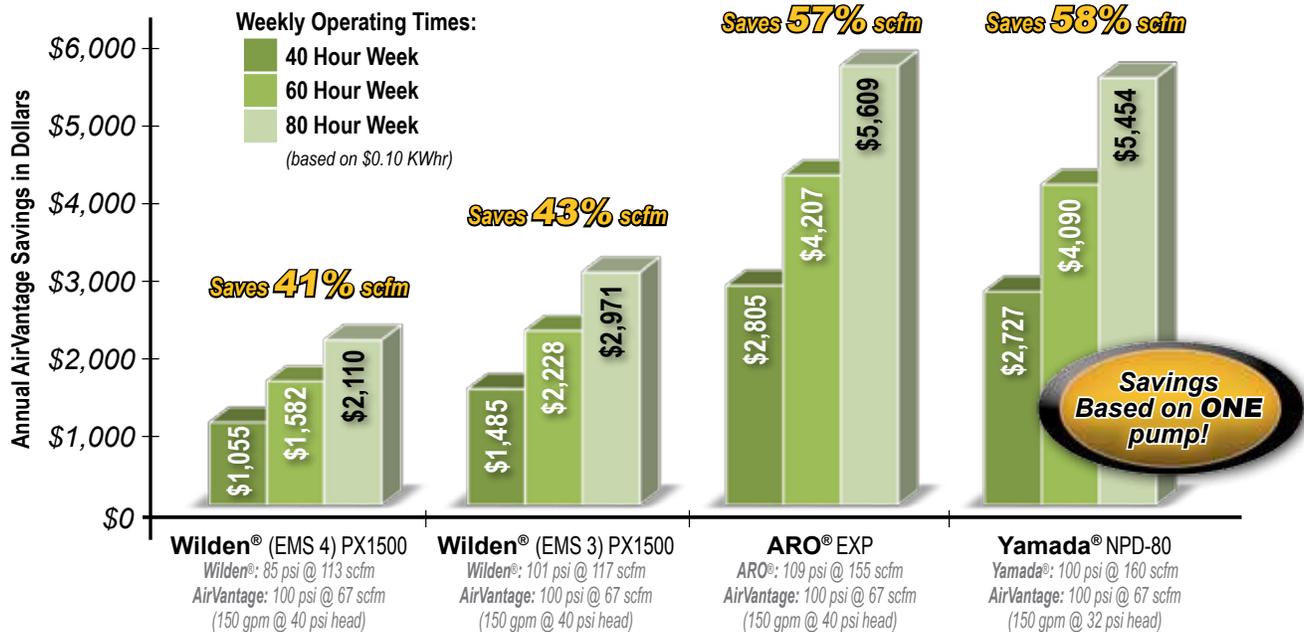
## AirVantage® Technology

AirVantage is a new technology for Air Operated Double Diaphragm pumps that significantly reduces air consumption over conventional AODD pumps. AirVantage achieves this by monitoring and optimizing air flow.

### How AirVantage Works

- 1 • Air enters main inlet.
- 1 • Small amount of air directed to turbine that powers the unit.
- 2 • Air Regulator Valve controls air flow volume.
- 2 • Air continues on standard path through air system.
- 3 • Sensor monitors pump velocity, sends data to microprocessor.
- 3 • Microprocessor calculates ideal air usage, regulates air valve.

## Annual Savings: AirVantage RE3 vs. Competition



Pump Model	Pump Design	Pipe Size		Capacity		Solids Handling Up to		Heads - Up to				Displacement per Stroke		Suction Lift (non PTFE)		ATEX Certified Optional
		Intake	Discharge	GPM	LPM	Inch	MM	PSI	ft. of Water	BAR	M	Gallon	Liter	Dry	Wet	
RE2	Bolted Aluminum	2" (internal)	2" (internal)	0-155	0-587	.43	11	125	289	8.6	88	.60	2.33	20'	25'	Yes
RE2	Clamped	2" (internal)	2" (internal)	0-165	0-625	.43	11	125	289	8.6	88	.60	2.33	20'	25'	Yes
RE2	Bolted Stainless/Hastelloy®	2" (internal)	2" (internal)	0-150	0-568	.43	11	125	289	8.6	88	.50	1.89	20'	25'	Yes
RE3	Bolted	3" (internal)	3" (internal)	0-245	0-927	.75	19.1	125	289	8.6	88	1.45	5.49	20'	25'	Yes
RE3	Clamped	3" (internal)	3" (internal)	0-210	0-795	.75	19.1	125	289	8.6	88	1.38	5.22	20'	25'	Yes

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*\*Comparisons made from published data*

Wilden® is a registered tradename of Wilden Pump & Engineering Company a Dover Resources Company  
 ARO® is a registered tradename of Ingersoll-Rand Company  
 Yamada® is a registered tradename of Yamada Corporation

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