



AirVantage™

ENERGY SAVING TECHNOLOGY

SAVE Energy • **SAVE** Compressor Cost • **SAVE** Operator Cost



AirVantage™ Energy Saver, Redefining AODD Performance.

- Reduces energy up to 50% & maintains comparable flow
- Self adjusts to changing process conditions
- Powered by air, no electricity or batteries required

Series: RS Metallic
Sizes: 2", 3" Discharge Porting
Capacity: 0 to 235 gpm
Pressure: 0 to 125 psi
Solids-Handling: to .38"





Go Green, Save Green

AirVantage is a new technology for Air Operated Double Diaphragm pumps that significantly reduces air consumption over conventional AODD pumps.

- Advanced learning program modulates pump performance to optimize energy usage and match changes in system demand.
- Automatically adapts to changing process conditions by constantly managing the amount of air that is used to drive the pump.
- Completely sustainable with a self-contained 12v power generation module, only needs compressed air. No need for batteries or hard-wiring.

By continuously fine-tuning the pump's air consumption to meet the dynamic needs of the system, AirVantage saves both energy and money. As a result, pumps use less air and also relieve demand from factory air compressors. Air compressors with less demand, have more capacity, run more efficiently and need fewer repairs, also saving companies thousands of dollars in maintenance and repair costs. Field testing has shown up to 50% savings over conventional AODD pumps. AirVantage is available as a center section upgrade or complete pump.

No Additional Work - Self Regulating

AirVantage pumps use an embedded velocity feedback sensor located within the center section of the pump to determine initial pump speed. This information is then relayed to the air regulator where air flow is then modulated to maximize energy usage without affecting the pump's capacity to match flow. AirVantage pumps require no additional adjustments and are as simple to install and operate as conventional AODD pumps. Easy as...

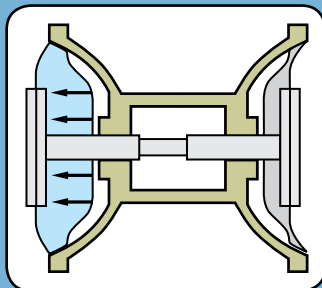
1. Install Pump
2. Turn on Air
3. System Self Optimizes
4. Reduced Air Consumption = Savings

Conventional vs. AirVantage™

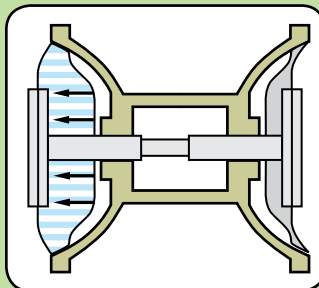
ENERGY SAVING TECHNOLOGY

Conventional

Conventional AODD pumps operate an air valve that directs compressed air into each diaphragm pump stroke. AODD pumps have excess compressed air applied to the diaphragm chambers on each stroke causing loss of potential efficiency and excess drain on your compressed air system.



Conventional: Excess compressed air is applied to chamber after full expansion of diaphragm, causing loss of potential efficiency



AirVantage: System controls air and monitors diaphragm expansion to eliminate wasted air and minimize energy costs.

AirVantage

AirVantage can achieve virtually the same flow but with less energy by metering only the air necessary to fully expand the diaphragm. As a result, AODD pumps are capable of operating at much lower air consumption and at lower energy cost. Air can be distributed to the diaphragm at a reduced volume, resulting in thousands of dollars in potential energy savings.