

Fresh Air Ventilation System Competitive Comparison

FEATURES	ACR -AQS201	HONEYWELL-Y8150
Number of Items to Install	One	Three
Number of Connections	Maximum 6, Typical 4	Maximum 14, Typical 9
Installation Time	Less than 10 minutes	More than 20 minutes
Inlet Plenum Mounting	All	Unsuitable for Duct Board
Start-up /Test Time	Less than 5 minutes	More than 10 minutes
Controls, Installation	3- Run Time, Wait Time, Test	6 Switches and Knobs
Controls, Homeowner*	Manual cycle, Auto, Vacation	None Supported
Indicators, Homeowner*	Power, Open, Quality, Disable	None Supported
Airstream Humidity Control*	Yes (Selectable)	Indoor Humidity Only*
Airstream Temp. Control*	Yes, High & Low (Selectable)	None (Claims not needed)
Manual Damper Control*	Optional	None
Duct Size Supported	6", 7" or 8"	6" and 7" Claimed*
Valve Sealing	Airtight	Not Airtight
Installed Base	>1500	Product announced in 2004
Availability	Off The Shelf	Delivery Time Unknown
Valve Mechanism Reliability	Tested 6-years w/o failure	Unknown
Short Circuit & Transient	Fully Protected	Unknown
Number of Call-Backs	Zero	Unknown

* Indicates item is an optional capability.



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IMPORTANT AIR QUALITY SYSTEM (AQS) ADVANTAGES

1. **LOWER COST INSTALLATION:** The complete system is contained in a single metal enclosure that mounts directly to any inlet plenum, including duct board using an optional adapter.
2. **FASTER START-UP:** The electrical installation is a standard 6-wire thermostat interface that connects directly to the HVAC system. No external transformer is required. Wiring and start-up can be accomplished in minutes. A self-test button fully tests the complete system in 20 seconds.
3. **IMPROVED RELIABILITY:** A quiet, reliable, long-life valve mechanism provides an air-tight seal by using a highly reliable low power 24 Volt AC motor. No springs or high current actuators are used in the product.
4. **SIMPLE CONTROLS:** Simply select the run time (minutes) and the maximum wait time (minutes). Ventilation can be quickly and easily adjusted upward or downward. The adjustments required to satisfy ASHRAE 62.2 are clearly indicated on a chart on the outside of the equipment.
5. **ADVANCED FEATURES:** Only the AQS system offers the capability to monitor the temperature and humidity of the ventilation air stream and keep hot, cold or humid air out of the home.
6. **HOMEOWNER INTERFACE:** Only the AQS system offers a simple interface that lets the customer request a ventilation cycle or disable the system while away from the home for extended periods. It also tells the customer when they are receiving ventilation and when the outdoor air quality is bad.



AQS 201



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