

ASCO™ Solenoid Valves Ensure “Cool” Pigs at Hog Farms

RESULTS

- Eliminated risk of cooling system failure
- Exceeded the reliability of competitive products
- Reduced OEM’s warranty costs
- Improved end-user satisfaction with lower maintenance costs and system downtime



APPLICATION

Hog Feeding, Handling, And Watering Equipment

CHALLENGE

A manufacturer of hog production equipment designed a new system for regulating the appropriate temperature and humidity in barns and indoor trough environments. The system’s electronic controls required 100% reliability of the water flow used to cool the facilities’ air in hot weather. On previous cooling systems, the manufacturer had used a low-reliability mechanical float (carrot) valve in a tank for controlling the on/off flow of the water. When the float valves failed to open, cooling stopped and the animals suffered heat stress. When the valves didn’t close, indoor trough areas flooded causing damage to the premises. The company needed highly reliable valves that would precisely control water flow.

SOLUTION

After a technical review, the hog equipment manufacturer specified ASCO Series 210 lead-free brass valves with Red Hat solenoids due to their reputation for quality and Emerson’s multi-million-cycle testing program. The ASCO Series 210 model’s reliability standards exceeded the performance and the valve could withstand the hog farm end user’s harsh environment. The hog equipment maker was pleased with the ASCO valve’s performance. It could sell a higher-margin, ultra-reliable cooling system to the hog production market with virtually no risk of product failure. Once the new systems were installed, the manufacturer experienced significant warranty cost reduction.

Customer satisfaction improved as end users benefitted from reduced maintenance costs, less downtime, and healthier livestock.

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