

Herculine Actuators – Reduced Emissions With Better Damper Control



More companies are trying to reduce air emissions from process heaters, furnaces and boilers in plants using excess air and draft control. Failure to comply with Clean Air Act requirements can result in fines or even shutdowns.

The Need for “Smart” Electric Actuators

Requirements of the Clear Air Act are tightening each year. This is true not only for the large power generation facilities but also smaller pollution generators such as industrial boilers, furnaces, ovens and heaters in all of the process industries. These industries are now required to implement pollution control schemes (more precise control) in an effort to reduce NOx emissions. Electric Actuators with “smart” capability help this effort.

Modern control systems require that field devices have communication capabilities to integrate process control into the plant enterprise system. This enables the facility to monitor plant efficiency, maintenance requirements, commissioning, and process validation. In addition, there is a drive to reduce the installed cost of these systems. Smart devices allow users to reduce wiring costs as well as configure and commission systems much faster for quicker start up and payback. This also helps:

- Bring processes on-line faster through faster validation and commissioning resulting in better project ROI.
- Provide proactive maintenance rather than reactive due to the downsizing of maintenance staff.

- Remotely configure and query in hostile environments.
- Analyze and manipulate the data allowing the user to analyze trends that are of interest to improving their processes.

Features and Benefits

Honeywell’s HercuLine Actuators offer the perfect actuator solution with:

- Robust and high temperature ratings
- Herculine 2002 has non-contact position sensing for very high modulation capability and higher performance
- Health diagnostics support proactive maintenance planning and better service scheduling
- Maximum repositions of 500 for more precise control
- Support for smart communications
- Local display and keypad for simplified setup and calibration
- Programmable alarms and configuration for electronic vs mechanical setup
- Honeywell’s synchronous induction motor provides a constant speed and stroke time for more consistent and accurate control
- Complimentary field instrumentation product lines and control systems

More Information

For more information on Herculine Actuators, visit www.honeywellprocess.com, or contact your Honeywell account manager.

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