



Emerson Impact Partner

FISHER WHISPER
TECHNOLOGY

NOISE MITIGATION IS CRITICAL TO PROCESS CONTROL OPERATIONS. ECI's valve experts can help you select and specify industry leading solutions from Emerson.

With a broad portfolio of innovative, high-performing noise reduction technologies, the Fisher Whisper Technology products will mitigate valve noise and deliver a winning combination of noise reduction and increased capacity for any application.

Reduce Control Valve
and Downstream
Process Noise



Decreasing Process Variability While Protecting Equipment, Employees and the Environment

High aerodynamic and hydrodynamic noise levels in valves and downstream piping can cause safety concerns for plant personnel, decrease reliability through equipment damage, and put the facility at risk of receiving noise complaints and potential regulatory action. Emerson's noise-attenuation technologies can help mitigate this noise effectively.



The Whisper Technology Line Up



Fisher™ Whisper™ NXV Trim

3D-Manufactured Trim that
Attenuates Rotary Valve Noise

KEY FEATURES

- Up to -20 dBA acoustical attenuation is achievable depending on service conditions
- Provides up to 80% more noise attenuation than other rotary valves
- Optimized inlet contour minimizes flow capacity reductions and noise caused by turbulence
- Elliptical channels allow for optimal flow separation by changing the shape of the flow stream as the ball rotates
- Increased flow area of holes between trim channels improves pressure distribution and reduces velocities of process material
- Compatible with gas, vapor or steam, and is offered in multiple valve sizes and pressure class ratings
- The additively manufactured attenuator features a rugged fabrication weld to provide structural integrity



Fisher™ Whisper™ NXG Trim

3D-Manufactured Trim that
Attenuates Globe Valve Noise

KEY FEATURES

- Optimized design allows for up to 30 dBA noise reduction with maximized flow efficiency
- Provides 20% more flow capacity than previously possible, allowing smaller globe valves to be applied
- Additively manufactured lattice trim design eliminates jet structure limitations and increases flow capacity
- Compatible with gas, vapor or steam, and is offered in multiple valve sizes and pressure class ratings
- Quick change trim allows fast and easy cage inspection without taking the valve body out of the pipeline
- Hardened materials of construction are standard to provide exceptional wear resistance



Fisher™ 6060 WhisperTube Modal Attenuator

Full-Bore Noise Reduction that
Attenuates Noise Inside the Pipe
for All Upstream Sources

KEY FEATURES

- Allows for up to a 10-15 dBA noise reduction with a negligible pressure drop and no impact on process flow
- Used in applications downstream of control valves or other equipment contributing to system noise
- Patented design with internal acoustic cavities of varying sizes reduce noise across a range of frequencies
- Cast internal drain channel ensures any potential liquid buildup can be removed, ensuring optimum performance
- Straight-through flow geometry, with inside diameter that matches the pipe, accommodates pigging operations when required for cleaning and maintenance
- Designed for a wide range of fluid flow rates, pressures and temperatures
- Easy maintenance and installation with the removable cylindrical stainless-steel screen and threaded lifting provisions



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SALES AND INFORMATION

724-746-3700
or www.ECI.us

After Hours Emergency
Support: 800-569-6030

IN TERRITORY EXPERTISE

Lawrence, PA
Columbus, OH
Lima, OH

Solon, OH
Dunbar, WV
Salem, WV