

Introducing the Next Generation Fisher™ Whisper Technology

Reduce control valve and downstream process noise with the new Fisher™ Whisper™ NXV Trim, Whisper™ NXG Trim, and 6060 WhisperTube Modal Attenuator.

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

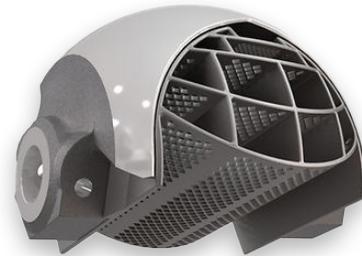
Decreasing Process Variability While Protecting Equipment, Employees, and the Environment

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 new noise-attenuation technologies can help mitigate this noise effectively while saving both space and capital.

**“Last year, U.S. businesses
paid more than \$1.5 million
in penalties for not protecting
workers from noise.”**

–United States
Department of Labor

The Whisper Technology Line Up



Fisher™ Whisper™ NXV Trim

A 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

THE WHISPER TECHNOLOGY LINE UP



Fisher™ Whisper™ NXG Trim

A 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 where facility space was previously limited
- 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 inspection of the cage 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

A full-bore noise reduction solution 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 any other equipment contributing to system noise
- Patented design with internal acoustic cavities of varying sizes reduce noise across a broad 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

Learn how Emerson's new Whisper Technology can prevent the negative effects of valve and process noise in your facility. Contact your Account Manager to learn more.

Founded in 1956, ECI specializes in providing best-in-class process control systems, automation products, pumps, and related solutions for manufacturing and industrial customers in the oil and gas, chemical, power, food and beverage, mining and metals, life sciences, pulp and paper, refining, petrochemical, OEM, and nuclear industries. In addition, ECI's experts and certified technicians provide reliability solutions, plant lifecycle services, process solutions, automation, and valve repair services for a wide variety of products. The company is proud to be your local Emerson Impact Partner serving Western Pennsylvania, West Virginia, Western Maryland, and Ohio.



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