

## AXIAL FAN SILENCERS

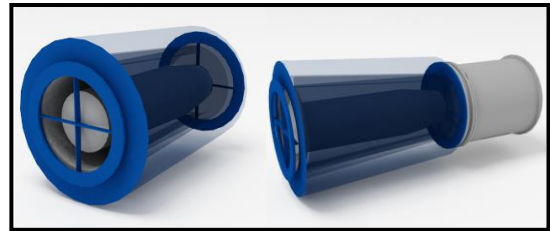
### Commercial Products

#### Product Description

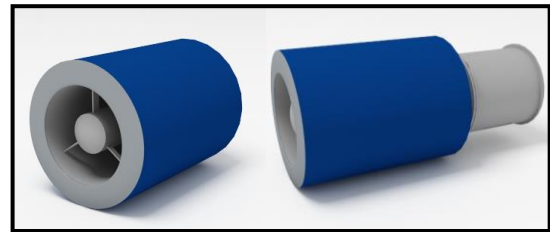
Axial fan silencers are often employed in HVAC and tunnel ventilation systems. Circular silencers include a center body that is matched to the fan and motor hub, delivering uniform flow in and out of the fan. VAW Systems' Axial Silencers are designed with a suitable shape and size, ensuring that the pressure drop is minimized (often near zero pressure losses), while helping the fan achieve the required noise criteria and thrust performance.

Standard axial fan silencers include:

- **Cone Silencers** - transitional cone shape efficiently accelerates or decelerates the air through the fan
- **Jet Fan Silencers** - key internal geometry is matched to the fan ensuring optimal fan thrust



*Cone Fan Silencer*



*Jet Fan Silencer*

#### Applications

- HVAC systems
- Ventilation shafts and tunnel systems
- Low pressure drop applications where standard rectangular silencers are not suitable (due to space constraints, fan power limitations, or both)

#### Silencer Accessories

- Support brackets
- Drainage connections
- Integral inlet bell and bird screen protection

#### Standard Features

- Galvanized casing (lockformed or welded construction)
- Connection Options:
  - 2 in. slips
  - Flanges
  - Weld nuts
- 16 to 96 in. diameter connection dimension
- 1X dia. – to – 3X dia. casing lengths
- Casing may be circular or rectangular (depending on performance requirements and space available)

## Certified Performance Data

For over 40 years, VAW has been testing, designing, and fabricating noise control products for the HVAC and fan industry in North America with a unique program driven by our experienced acoustic engineers. Our performance data are based on extensive testing:

- Field verification tests
- Third party testing at NVLAP® accredited facilities
- Product validation and applied research within our Noise Control Applications Laboratory

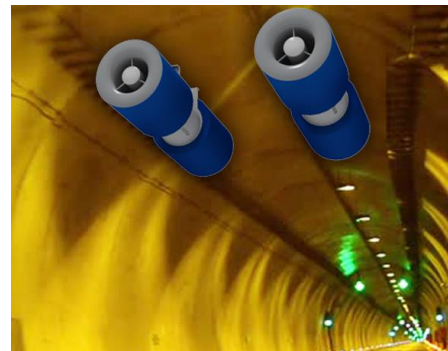
Refer to our Certified Performance Data Sheets and our Selection Software for a complete set of product ratings.



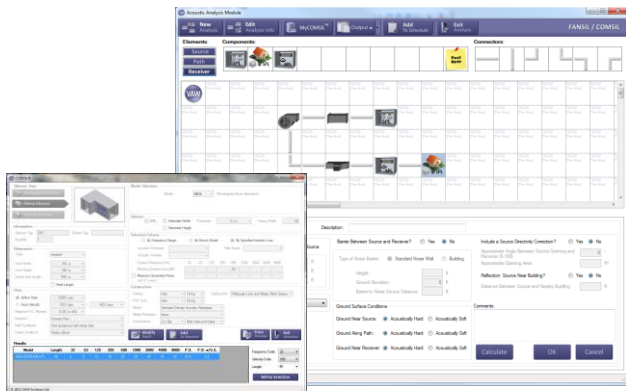
VAW Systems Noise Control Applications Laboratory

## Construction Options

- Heavy casings (HTL): 10, 14, and 16 ga.
- Support brackets or legs
- Continuous welding casings
- Casing materials: Stainless steel (304 & 316), Satin coat and Aluminum
- Media protection (cloth, liner)
- Flange configurations and materials
- Special paint system
- Special shipping splits to suit site access requirements
- Removable center body



Efficient Jet Fan Noise Control Package



## Selection Software and Services

Contact VAW for free application engineering and product selection services, or use COMSIL® acoustic analysis and selection software:

- Most advanced HVAC acoustic algorithms in the noise control market
- Modern, user friendly interface
- Drag'n'Drop icon based analysis grid
- Wide variety of noise control product

Software inquires: [comsil@vawsystems.com](mailto:comsil@vawsystems.com)