

LINED SILENCERS

Commercial Products

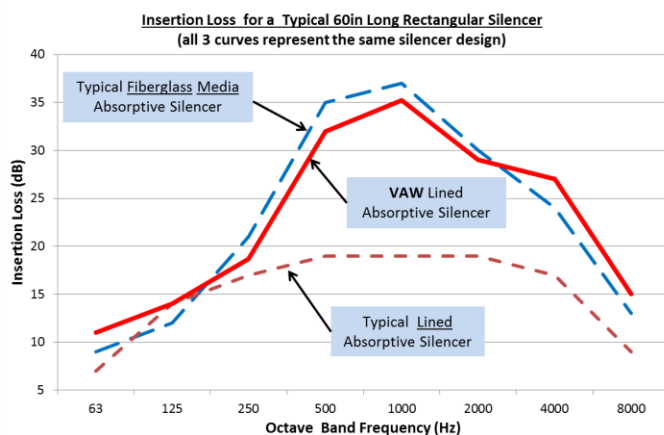
Product Description

VAW Systems' **RSL** (Rectangular), **REL** (Elbow) and **CSL** (Circular) lined silencers are specifically designed for air systems that prohibit any exposed fibers. Our Technology helps ensure that fibrous media does not enter the airstream, with no significant silencer performance degradation as found with typical lined silencers. In addition, this product may be applied to systems with other Indoor Air Quality concerns, such as moisture, particulate matter and other contaminants. Features include:

- Class 1 category assembly for Flame Spread Index and Smoke Developed, when tested in accordance to UL 723 (ASTM E84), meeting the NFPA 90A maximum requirements
- Inlet and outlet connections matched to actual duct dimensions to avoid the need for transitions
- Excellent balance between acoustic and aerodynamic performance
- May be assembled in a modular fashion and/or sized to meet shipping and handling requirements

Applications

- Health Care Facilities
- Laboratories
- Educational Facilities
- Air intakes at critical building openings
- Roof top air handling systems



The VAW Advantage: Industry Leading Liner Technology results in energy efficient IAQ solutions

Standard Features

- Casing: 22 ga. galvanized steel
- Internals: 22 ga. galvanized perforated metal liner
- Constructed in accordance with ASHRAE® and SMACNA® standards

Standard Rectangular and Elbow Size Ranges

- 6 in. to as required connection width dimension
- 6 in. to as required connection height dimension
- 36 to 144 in. long casings

Standard Circular Size Ranges

- 6 to 72 in. diameter connection dimension
- 36 to 120 in. long casings
- Casing outside walls \geq connection ID

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

- High Transmission Loss (HTL) casings: ¼ in. plate to 16 ga. steel
- Casing materials: Stainless (304 & 316), Satin Coat, Aluminum and HRS with paint finish
- Flange configurations and materials
- Cotton media
- Custom configurations for space and weight restrictions
- Transitional (unequal inlet and outlet dimensions)
- Special paint system
- Extended casings for higher velocities and enhanced attenuation – (EH & EW)
- Special shipping splits
- Removable baffles, center body and side panels
- Wire mesh/bird screen protection

VAW Model Number Definition

The following model name system applies to rectangular silencers (e.g. REL-24V80x72)

RSL	-	_____	X	_____
Product Type (RSL or REL)		Frequency code (12 to 48 in.)		Velocity Code (V12, V20, V30, V40, V50, V60, V70, V80, V96)
				Casing Length (36 to 144 in.)

VAW Model Number Definition

The following model name system applies to circular silencers (e.g. 12CSL-20V90x48)

_____	CSL	-	_____	X	_____
Connection Size/ID (6 to 72 in.)	Product Type		Casing OD (ID +0, +4, +6 or +8 in.)	Velocity Code (V50, V60, V70, V80, V90, V100)	Casing Length (36 to 144 in.)

Selection Software and Services

Contact VAW for free application engineering and product selection support services, or use our 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 products

Software inquires: comsil@vawsystems.com

