

Product Description

VAW Systems Rectangular Straight Absorptive (RSA), Rectangular Elbow Absorptive (REA) and Circular Straight Absorptive (CSA) silencers are specifically designed for noise control in commercial HVAC air distribution systems and industrial ventilation systems. Large radius inlets and tapered outlets assure maximum attenuation at the lowest possible pressure loss. Silencer inlet and outlet connections are matched to the actual duct dimensions in order to avoid the need for transitions in the field. The design provides an excellent balance between acoustic and aerodynamic performance.

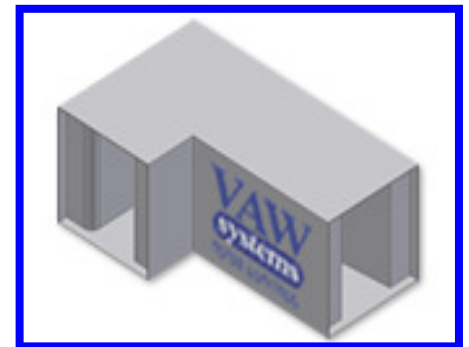
There are number of construction options and accessories available that may be selected for any system application. Silencer connection size and length may be varied to meet system acoustic performance requirements and installation space limitations. For special applications, silencers may be assembled in a modular fashion and/or sized to meet shipping and material handling requirements. Automated product selection is available with VAW's COMSIL® software.

Standard Features

- ◆ Materials: 22 ga. galvanized steel casing and 22 ga. galvanized perforated steel internals with stiffeners.
- ◆ Constructed in accordance with ASHRAE® and SMACNA® standards for pressure and velocity classification as specified for the applicable air distribution system and application.
- ◆ Acoustic Grade Fiberglass Media Fill.
- ◆ Standard RSA and REA Size Ranges:
 - ◇ Beginning at 6 in. connection dimensions (width and height)
 - ◇ 36 in. to 144 in. long casings
- ◆ Standard CSA Size Ranges:
 - ◇ Beginning at 6 in. to diameter connection dimension
 - ◇ 36 in. to 10 X dia. (up to 144 in. max.) long casings
 - ◇ 4, 6 and 8 in. thick outside walls (OD > connection ID)



RSA



REA

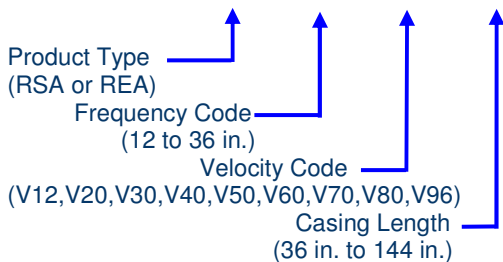


CSA

How to Specify RSA and REA Models

The following model name system applies to RSA silencers:

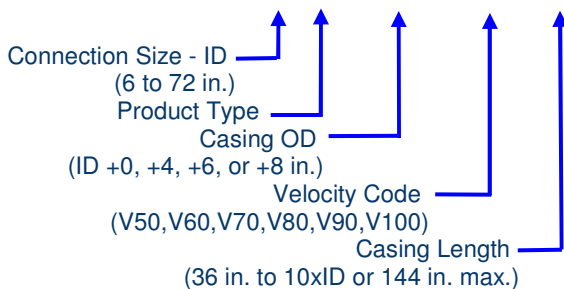
RSA - _____ x _____ (e.g. REA-24V80x72)



How to Specify CSA Models

The following model name system applies to CSA silencers:

_____ CSA - _____ x _____ (e.g. 12CSA-20V90x48)



Contact VAW Systems Ltd.:

Tel: (204) 697-7770; 1-888-697-7770 [toll free]

Fax: (204) 697-7789; 1-800-665-1315 [toll free]

Email: info@vawsystems.com

Website: www.vawsystems.com

Construction Options

- ◆ Heavy Casings (HTL): 10 to 20 ga.
- ◆ Casing Materials: stainless (304 & 316), satin coat, aluminum, HRS with paint finish.
- ◆ Various flange configurations and materials.
- ◆ Cotton media fill.
- ◆ Custom configurations for space and weight restriction applications.
- ◆ Transitional (unequal inlet and outlet dimensions).
- ◆ Special Paint Systems.
- ◆ Extended Casings for higher velocities and enhanced attenuation - select extended height (EH) and extended width (EW) configurations.
- ◆ Fiberglass cloth and protective films
- ◆ Special shipping splits.
- ◆ Removable baffles, center body and side panels.
- ◆ Wire mesh / bird screen protection.

Silencer Accessories

- ◆ Support Brackets.
- ◆ Airflow Probes.
- ◆ Access Doors.
- ◆ Drainage connections.
- ◆ For special applications, such as high temperature, corrosive or high pressure systems, consider VAW's Industrial Silencer product line.

Typical RSA, REA and CSA Applications

- ◆ Supply and return air systems.
- ◆ Close coupled to fan plenums and air handling units.
- ◆ Roof top air handling systems.
- ◆ Plant and generator room ventilation.
- ◆ Relief air from factories and workshops.
- ◆ Ventilation for acoustic equipment enclosures.
- ◆ Air conditioning installations and cooling towers.

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.
- ◆ Please refer to our Certified Performance Data Sheets and our Selection Software for a complete set of Product Ratings.
- ◆ Our performance data are based on years of testing, including extensive field verification tests, third party testing at NVLAP[®] accredited facilities and extensive product validation and applied research within our Noise Control Applications Laboratory.
- ◆ VAW's unique research and development program is driven by our experienced acoustic engineers.

Selection Software and Services

- ◆ Contact VAW for Application Engineering and Product Selection Services (info@vawsystems.com);
- ◆ Use COMSIL[®] Acoustic Analysis and Selection Software - a Powerful Desktop Tool:
 - ◇ Most advanced HVAC acoustic algorithms in the noise control market.
 - ◇ Modern interface (touch-screen friendly).
 - ◇ Built-in noise source features.
 - ◇ User Library.
 - ◇ Drag'n'Drop icon based analysis grid.
 - ◇ Wide variety of noise control product selections.
 - ◇ Large size ranges available.
 - ◇ System effects for real-life installation factors.
 - ◇ Flexible construction options, including special materials and assembly.

