

VENT AND BLOW-OFF SILENCERS

Industrial Products

Product Description

Common to most high pressure gas application is the need to vent or evacuate a system in the event of an upset or system shut down. As a result, relief valves and/or control valves are incorporated to safeguard against a system failure or maintain process conditions. VAW's vent and blow-off silencers are specially designed to reduce noise generated by the high differential pressure at the time of a release. Each silencer is designed for the individual process venting conditions and customer acoustic requirements. Materials selection is based on the application criteria as it relates to the vented medium (Steam, Air, Natural Gas, or other gas), upstream pressure and temperature and flowrate required to be vented. VAW's Applications engineering team have the knowledge and experience to correctly design the proper vent silencer for your system.

Applications

- Safety relief valves
- Process control valves
- Steam ejectors
- Compressor by-pass valves
- Boiler start up and purge systems
- Switch valves (reversing valves)
- Autoclaves
- By-pass valves

Standard Features

- Single or multiple inlets
- Compact single or multi-stage diffusers
- All welded, heavy-duty construction
- Materials: carbon steel and stainless steel
- Paint finish
- Flanged, NPT or BFW connections
- Vertical and Horizontal mounting brackets
- Condensate drains



Vent Silencer Array at a Power Plant

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:

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

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

- Materials: Painted carbon steel or stainless steel
- Special paint and corrosion resistance systems
- Support Brackets as required
- Weather hoods
- Outlet elbows
- Bird screen



Selection Software and Services

Contact VAW for free application engineering and Contact us for Application Engineering and Product Selection Support. Choose FANSIL® Acoustic Analysis and Selection Software:

- Most advanced acoustic algorithms in the noisecontrolmarket
 - Modern, user friendly interface
 - Drag'n'Drop icon based analysis grid
 - Wide variety of noise control product selections
- Software inquires: fansil@vawsystems.com