



## VENT AND BLOWDOWN SILENCERS

VG Engineering designs and supplies class-leading vent and blowdown silencers to attenuate process system noise as it vents to atmosphere. All designs are fully validated by our experienced engineers using in-house process and system data together with CFD and FEA modelling to ensure acoustical, flow, thermal and structural requirements are met.

Industrial steam/gas vent silencers and compressor blowdown silencers are configured for a range of requirements:



- Vent to a specified volume, speed, or to a certain pressure within required period of time.
- High pressure, supersonic applications—incorporating inlet flow diffusion for controlled pressure expansion and optimal flow distribution
- High temperatures (up to 1500 Deg. F) and low temperatures (-320 Deg. F) - designs allow for rapid thermal changes during operation
- Attenuation levels as per customer specifications
- Dry and saturated flow
- Intermittent or constant ventilation and blowdown applications
- Bottom or side inlet
- Single or multiple Inlets
- Vertical or horizontal orientation
- Customer specified or ASME code inlet flange
- Low maintenance / self cleaning



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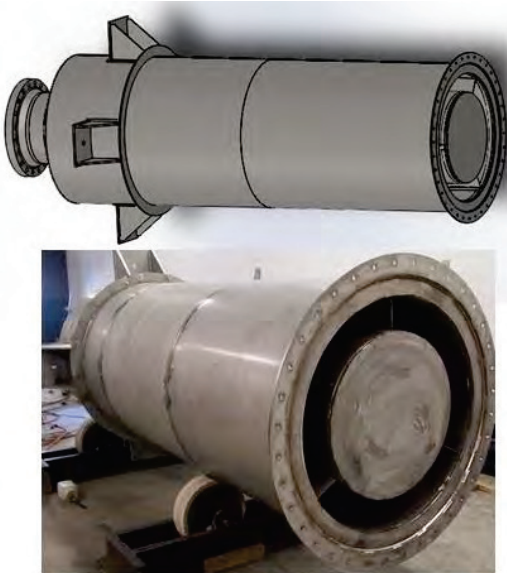
Acoustic systems are custom designed and constructed by VG Engineering Inc. for each application to ensure customer requirements are fully incorporated.

### Features include:

- All welded, heavy duty construction.
- Pressure sections welded in accordance with ASME Section VIII for reliable long service life
- Zinc rich prime painted mild steel exterior surfaces
- Threaded or flange connections (dependent on requirement)
- Lifting lugs and mounting points (as required)
- Single and double wall construction available
- Superior high flow acoustical design maintains lifetime performance
- Easy installation

### Options:

- Stainless steel and optional alloy steel construction
- Liquid traps
- Weather resistant and high temperature protective coatings
- High temperature acoustic materials
- Weather hoods
- Outlet Nozzles
- Support Structures, platforms, access ladders
- Coated interior
- Drain points
- Expansion joints



**APPLICATIONS INCLUDE:** STEAM, AIR AND GAS VENTS | BOILERS | COMPRESSORS | PROCESS GAS BLOWDOWNS | GAS TURBINE BLEED VENTS | HEAT EXCHANGERS | STEAM EJECTORS | PETROLEUM PROCESSING FACILITIES | SWITCH VALVES