VENT & BLOWDOWN SILENCERS

OVERVIEW
Maxim Silencers custom engineers and manufactures Vent Silencers for a wide variety of compressed gases ranging from air to superheated steam, reducing the noise associated with venting high pressure steam or gas to atmospheric pressure. With more than 125 years of experience in acoustical engineering for the oil & gas and chemical industries, our vent and blowdown silencers are designed to meet the requirements and stringent performance parameters of your application.

Typical Applications: Natural Gas Pipeline Compressor Station Blowdown, Natural Gas Pipeline Maintenance Blowdown, Compressed Gas Vents, High Pressure Superheated Steam Vents, Constant Flow Safety Relief Valve and Boiler Systems

FEATURES & OPTIONS
• Variable sound attenuation
• Stainless steel construction; internals and/or shell
• Horizontal or vertical support arrangements
• Custom mounting options
• Multiple inlet options
• High heat silicone black or aluminum finish, special paints and finishes available
• NPT drain coupling
• Weatherhood or birdscreen available
• AMSE Section VIII, Div. 1 code diffuser
• Complete range of complimentary accessories available

VARIABLE FLOW BLOWDOWN VENT SILENCERS
Large Blowdown Silencer used at natural gas compression stations to blow-down gas to atmosphere for maintenance or emergency pressure relief for residential and noise sensitive areas.
### VENT & BLOWDOWN SILENCERS

**Vent or Blowdown Silencer**

<table>
<thead>
<tr>
<th>Type of Gas</th>
<th>Air</th>
<th>Natural Gas</th>
<th>Steam</th>
<th>Other</th>
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Molecular Weight:
Specific Gravity:
Specific Heat Ratio:

**Constant/Continuous Flow Vent**

- Gas Temperature: °F
- Gas Temperature: PSIG
- Continuous Vent Flow: lb/hr

**Varying/Intermittent Blowdown Vent**

- Initial Starting Pressure: PSIG
- Final Ending Pressure: PSIG
- Volume Vented: cu. ft.
- Blowdown time: minutes

**Sound Requirements**

- Silenced Level: dBA
- Distance from outlet: ft.

**Construction**

- Silencer Inlet Size: in.
  - Flanged
  - Stub

**Supports / Mounting**

- Legs
- Skirt & Base Ring
- Body Brackets

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**COMPRESSOR MOUNTED BLOWDOWN SILENCERS**

Small Blowdown Vent Silencers used on natural gas compressor packages to release gas from pressurized vessels and piping for maintenance and repair.