INTERNATIONAL®

Information essential for the design of a vent silencer:

Type of fluid (steam, gas etc)
Molecular weight of the fluid
Flow rate in kg per hour
Conditions before the control or relief valve
- Pressure
- Temperature

Conditions after the control or relief valve
- Pressure
- Temperature

Size and type of valve
Unsilenced noise level in Lw or Lp
Required silenced noise level
Max gas speed in the absorber section
Duration of venting in hours or days

Additional information

Design code piping
Required inlet connection:
- Flange size
- Flange rating
- Type of flange

Materials of construction
Nozzle loading
Supports
Lifting lugs
Earthing boss
Drain size
Information on the piping from the valve to the silencer inlet such as:
- Diameter
- Schedule
- Length
- Number of bends

Required external surface treatment of silencer
Is a rain-hood (weather-hood) required
Wind loads
Seismic zone