

VENT SILENCER REQUIREMENTS

General Information

Date:		Customer/Location:	
Project Name:		Customer Contact:	Contact Info:
Quote #:		EWR #:	
BDM:		Engineer:	

Application

Noise source: Type of process:

Gas Data (Attach valve spec. sheet if available)

Attached Valve Data Sheet <input type="checkbox"/>	
Type of Gas:	
Molecular Weight:	
Ratio of Specific Heats:	
Pressure upstream of valve:	
Temperature upstream of valve:	
Maximum flowrate:	

Type of service

Continuous

Intermittent

Occasional

Timed blowdown applications only:

Pressurized volume of piping:

Maximum allowable blowdown time:

Final upstream pressure:

Unsilenced Sound Data, if available

		Octave Band Center Frequency (Hz)								
		31.5	63	125	250	500	1000	2000	4000	8000
SPL <input type="checkbox"/>	PWL <input type="checkbox"/>									
dB(A) <input type="checkbox"/>	dB(L) <input type="checkbox"/>									

If SPL, indicate distance and angle:

Silencer Requirements

Silencer Design/Dimensional Information (Attach drawing or sketch if available)

Inlet nozzle orientation:	<input type="checkbox"/> End in (axial)	<input type="checkbox"/> Side in	
Inlet nozzle diameter:		<input type="checkbox"/> Flanged, pressure class:	
	<input type="checkbox"/> Male NPT	<input type="checkbox"/> Beveled weld end	
Silencer orientation:	<input type="checkbox"/> Vertical	<input type="checkbox"/> Horizontal	
Max allowable diameter:		Max allowable length:	
Outlet orientation:	Vertical, unless otherwise specified:		
Silencer supports:	<input type="checkbox"/> Shell lugs	<input type="checkbox"/> Legs	
	<input type="checkbox"/> Skirt & base ring	<input type="checkbox"/> Horizontal saddles	
	<input type="checkbox"/> Nozzle	Other:	
Materials, shell:	Carbon steel, unless otherwise specified: 		
Materials, internals:	Carbon steel, unless otherwise specified: 		
Finish:	Blast per SSPC SP6, inorganic zinc primer, high heat topcoat external only unless otherwise specified: 		

Performance Requirements (Complete all Applicable Sections)

Acoustics Silenced Sound Level: dB(A) At Distance/Angle:

Pressure Drop Maximum allowable pressure drop:

Additional Comments
or
Other Requirements

Yellow highlight denotes required fields.