



# UNIVERSAL SILENCER

1925 Hwy 51/138 W, PO Box 411, Stoughton WI 53589

tel 888-300-4272  
fax 608-873-4298

us@universal-silencer.com  
www.universalsilencer.com

# Vent Silencer Specification Sheet

Form 88-0063 Rev. 3, 09/07/07

Please furnish all or as much information that is available in order to properly size the silencer

<b>Name:</b>			<b>Date:</b>							
<b>Company:</b>			<b>Tel:</b>							
<b>Address:</b>			<b>Fax:</b>							
<b>E-Mail:</b>										
<b>Project Reference:</b>										
<b>Gas Data</b>	<b>Type of Gas:</b>									
	<b>Molecular Weight:</b>									
	<b>Ratio of Specific Heats:</b>									
	<b>Pressure Upstream of Valve:</b>				psi(A)					
	<b>Temperature Upstream of Valve:</b>				°F					
<b>Blowdown Application</b>	<b>Pressurized Volume:</b>			ft <sup>3</sup>						
	<b>Maximum Blowdown Time:</b>			minutes						
	<b>Final Downstream Pressure:</b>			psi(A)						
<b>Venting Application</b>	<b>Peak Flow Rate (determined by valve mfr.):</b>				lbs/hr					
	<b>Maximum Allowable Pressure Drop:</b>				psi					
	<b>Continuous, Intermittent or Occasional Service:</b>									
<b>Valve Data</b>	<b>Maker:</b>			<b>Model:</b>						
	<b>Type:</b>	<b>Size (in):</b>		<b>Rating:</b>						
<b>Unsilenced Sound Levels</b>	<i>Please provide Unsilenced Sound Levels, if available. Include distance and direction from vent and attach any schematics, or sketches, if available. Show where the Required Silenced Sound Level applies on the sketch.</i>									
	<b>Octave Band Center Frequency (HZ)</b>									
	(Check box for SPL or PWL)									
		31.5	63	125	250	500	1000	2000	4000	8000
	SPL <input type="checkbox"/> PWL <input type="checkbox"/>									
	<b>Unsilenced Sound Level:</b>			dB(A) at		feet				
<b>Silenced</b>	<b>Required Silenced Sound Level:</b>			dB(A) at		feet				
<b>Mounting Requirements</b>	<b>Silencer Inlet Size and Rating:</b>									
	<b>Maximum Silencer Dimensions:</b>									
	<b>Inlet Orientation:</b>		Axial		Side					
	<b>Silencer Orientation:</b>		Vertical		Horizontal					
	<b>Supports:</b>	<b>Skirt &amp; Base Ring</b>		<b>Shell Lugs</b>		<b>Legs</b>				
		<b>Saddles</b>		<b>Nozzles</b>		<b>Other</b>				
<b>Special Mat'l Requirements</b>	<b>Shell:</b>									
	<b>Internals:</b>									
<b>Finish</b>	<b>Standard:</b>	Hand tool cleaning, per SSPC-SP2 and solvent cleaning per SSPC-SP1 with high heat aluminum paint finish.								
	<b>Optional:</b>									
<b>Additional Comments</b>										



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<b>Name:</b>			<b>Date:</b>							
<b>Company:</b>			<b>Tel:</b>							
<b>Address:</b>			<b>Fax:</b>							
<b>E-Mail:</b>										
<b>Project Reference:</b>										
<b>Gas Data</b>	<b>Type of Gas:</b>									
	<b>Molecular Weight:</b>									
	<b>Ratio of Specific Heats:</b>									
	<b>Pressure Upstream of Valve:</b>				<b>kPa(A)</b>					
	<b>Temperature Upstream of Valve:</b>				<b>°C</b>					
<b>Blowdown Application</b>	<b>Pressurized Volume:</b>				<b>m<sup>3</sup></b>					
	<b>Maximum Blowdown Time:</b>				<b>minutes</b>					
	<b>Final Downstream Pressure:</b>				<b>kPa(A)</b>					
<b>Venting Application</b>	<b>Peak Flow Rate (determined by valve mfr.):</b>				<b>kg/hr</b>					
	<b>Maximum Allowable Pressure Drop:</b>				<b>Pa</b>					
	<b>Continuous, Intermittent or Occasional Service:</b>									
<b>Valve Data</b>	<b>Maker:</b>			<b>Model:</b>						
	<b>Type:</b>	<b>Size (mm):</b>		<b>Rating:</b>						
<b>Unsilenced Sound Levels</b>	<i>Please provide Unsilenced Sound Levels, if available. Include distance and direction from vent and attach any schematics, or sketches, if available. Show where the Required Silenced Sound Level applies on the sketch.</i>									
	<b>Octave Band Center Frequency (HZ)</b>									
	(Check box for SPL or PWL)									
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	SPL <input type="checkbox"/> PWL <input type="checkbox"/>									
	<b>Unsilenced Sound Level:</b>				dB(A) at					meters
<b>Silenced</b>	<b>Required Silenced Sound Level:</b>				dB(A) at					meters
<b>Mounting Requirements</b>	<b>Silencer Inlet Size and Rating:</b>									
	<b>Maximum Silencer Dimensions:</b>									
	<b>Inlet Orientation:</b>		Axial		Side					
	<b>Silencer Orientation:</b>		Vertical		Horizontal					
	<b>Supports:</b>	<b>Skirt &amp; Base Ring</b>			<b>Shell Lugs</b>	<b>Legs</b>				
		<b>Saddles</b>			<b>Nozzles</b>	<b>Other</b>				
<b>Special Mat'l Requirements</b>	<b>Shell:</b>									
	<b>Internals:</b>									
<b>Finish</b>	<b>Standard:</b>	Hand tool cleaning, per SSPC-SP2 and solvent cleaning per SSPC-SP1 with high heat aluminum paint finish.								
	<b>Optional:</b>									
<b>Additional Comments</b>										