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SILENCER DATA SHEET		CUSTOMER	SPECIFICATION NO.	DATE (YY-MM-DD)							
	PROJECT	INQUIRY NO.	REV. DATE	Rev.							
	LOCATION	PREPARED BY		A							
				B							
	PAGE	OF		C							
				D							
EQUIPMENT DESCRIPTION											
1	EQUIPMENT DESCRIPTION				Rev.						
2	SERVICE/DESCRIPTION	ITEM	ITEM	OF	QUANTITY						
3		MANUFACTURER*	dB NOISE REDUCTION								
4	SERVICE	MODEL NO*		WT*	(lb)						
5	LOCATION	<input type="checkbox"/> OUTDOOR <input type="checkbox"/> INDOOR	SILENCER LENGTH*	(in)	OD*						
6	AMBIENT CONDITIONS	ORIENTATION	<input type="checkbox"/> VERTICAL <input type="checkbox"/> HORIZONTAL								
OPERATING CONDITIONS											
7	OPERATING CONDITIONS										
8	FLUID / GAS	VALVE DIA:	IN X	OUT (in)	TYPE:						
9	k = Cp/Cv =	MW or SG	INLET CONNECTION (BOTTOM / SIDE)								
10	MASS FLOW RATE	(lb/hr)	SIZE	RATING	TYPE						
11	MAX VOLUME FLOW AT DISCHARGE *	(acfm)	LOCATION								
12	PRESSURE UPSTREAM OF VALVE	(psig)	FLOW CONTROL	<input type="checkbox"/> VALVE <input type="checkbox"/> ORIFICE PLATE							
13	TEMPERATURE UPSTREAM OF VALVE	(°F)	<input type="checkbox"/> SILENCER DIFFUSER	<input type="checkbox"/> CHOKED FLOW AT VENT							
14	PRESSURE AT SILENCER INLET *	(psig)	BLOWDOWN APPLICATIONS								
15	TEMPERATURE AT SILENCER INLET *	(°F)	PRESSURIZED VOLUME		(cu.ft)						
16	SILENCER BACKPRESSURE ^a - ALLOWED	(psi)	MAXIMUM BLOWDOWN TIME		(sec)						
17	SILENCER BACKPRESSURE ^a - ACTUAL *	(psi)	FINAL BLOWDOWN PRESSURE		(psig)						
18	^a Silencer backpressure excludes nozzle / diffuser exit loss		MAX BLOWDOWN MASS FLOW RATE *		(lb/hr)						
ACOUSTIC DATA											
19	ACOUSTIC DATA										
20	MAX ALLOWABLE SPL	dBA OVERALL AT	(ft)	FROM SIDE OF SILENCER							
21	<input type="checkbox"/> AT INLET <input type="checkbox"/> AT OUTLET <input type="checkbox"/> AT GRADE, WITH SILENCER INLET AT	(ft)	ABOVE GRADE								
22	OCTAVE BAND (Hz)	63	125	250	500	1000	2000	4000	8000	dBA	NR
23	PWL AT VENT OUTLET WITHOUT SILENCER *										
24	SPL AT CRITERION POINT WITHOUT SILENCER *										
25	SILENCER DYNAMIC INSERTION LOSSES *										
26	SPL AT CRITERION POINT WITH SILENCER *										
27	SPL - SOUND PRESSURE LEVEL IN dB, REF 2 X 10 ⁻⁵ Pa					PWL - SOUND POWER LEVEL IN dB, REF 10 ⁻¹² W					
MECHANICAL CHARACTERISTICS											
28	MECHANICAL CHARACTERISTICS										
29	SILENCER SHELL	SILENCER DISCHARGE	<input type="checkbox"/> OPEN								
30	DESIGN PRESSURE (psig)	<input type="checkbox"/> WHISTLE CUT COWL <input type="checkbox"/> 45° COWL <input type="checkbox"/> 90° COWL									
31	DESIGN TEMPERATURE (°F)	<input type="checkbox"/> PLATE FLANGE	ID: ??	OD: ??	(in)						
32	MINIMUM CASING THICKNESS (in)	SILENCER SUPPORTS									
33	CORROSION ALLOWANCE (in)	<input type="checkbox"/> BRACKETS <input type="checkbox"/> LEGS <input type="checkbox"/> SADDLES									
34	SHELL MANUFACTURED PER <input type="checkbox"/> AWS / CWB	<input type="checkbox"/> SKIRT & BASE RING <input type="checkbox"/> INLET NOZZLE									
35	INLET ASSEMBLY / DIFFUSER	OTHER ACCESSORIES									
36	DESIGN PRESSURE (psig)	<input type="checkbox"/> BIRD SCREEN <input type="checkbox"/> GROUNDING LUG									
37	DESIGN TEMPERATURE (°F)	<input type="checkbox"/> ORIFICE PLATE	NPS: (in)								
38	INLET / DIFFUSER MANUFACTURED PER (1.5 X DESIGN)	<input type="checkbox"/> REDUCER	X (in)								
39	<input type="checkbox"/> ASME SEC VIII, DIV I <input type="checkbox"/> RT <input type="checkbox"/> HYDROSTATIC TEST	EXTERIOR PAINT SYSTEM									
40	REGISTERED: <input type="checkbox"/> YES <input type="checkbox"/> NO	SURFACE PREP - SSPC:									
41	<input type="checkbox"/> ASME B31.1 PIPE CODE <input type="checkbox"/> RT	<input type="checkbox"/> SP3 <input type="checkbox"/> SP6 <input type="checkbox"/> SP10	1ST	2ND	3RD						
42	<input type="checkbox"/> AWS / CWB		COAT	COAT	COAT						
43	EXTERIOR MAT'LS: <input type="checkbox"/> C.S. <input type="checkbox"/> 304L ss <input type="checkbox"/> 316L ss	INORGANIC ZINC									
44	INTERNAL MAT'LS: <input type="checkbox"/> C.S. <input type="checkbox"/> 304L ss <input type="checkbox"/> 316L ss	TWO PART EPOXY									
45	LIFTING LUGS WELD NDT <input type="checkbox"/> PT <input type="checkbox"/> MT	POLYURETHANE									
46	DRAIN & PLUG	HIGH HEAT ALUMINUM									
47	STRUCTURAL DESIGN	<input type="checkbox"/> MANUFACTURER'S STANDARD <input type="checkbox"/> UNPAINTED									
		<input type="checkbox"/> PER SPECIFICATION NOTED BELOW									
NOTES											
48	NOTES										
49											
50											
51											
52											
53											
54											

PURCHASER

GENERAL DATA

SHOULD PROVIDE

MUST PROVIDE

VENDOR

SHOULD PROVIDE

MUST PROVIDE

VENDOR

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