



LCV Vent Silencer

Application:

For most air and gas vents and blowdown applications where upstream pressure of valve is less than 300 psia and/or upstream temperature of valve is less than 650°F. Vertical or horizontal installation.

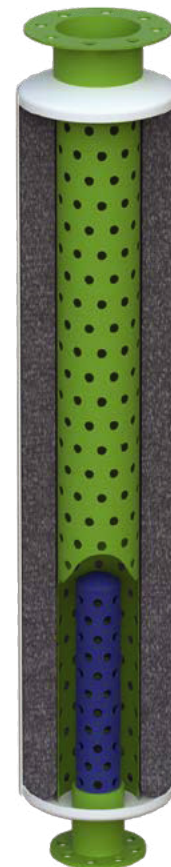
Design:

Gas flow passes through an inlet diffuser and then past a perforated tube, surrounded by deep layers of sound absorbing material which attenuates vent noise particularly in the high frequency range with a minimum pressure drop.

Construction:

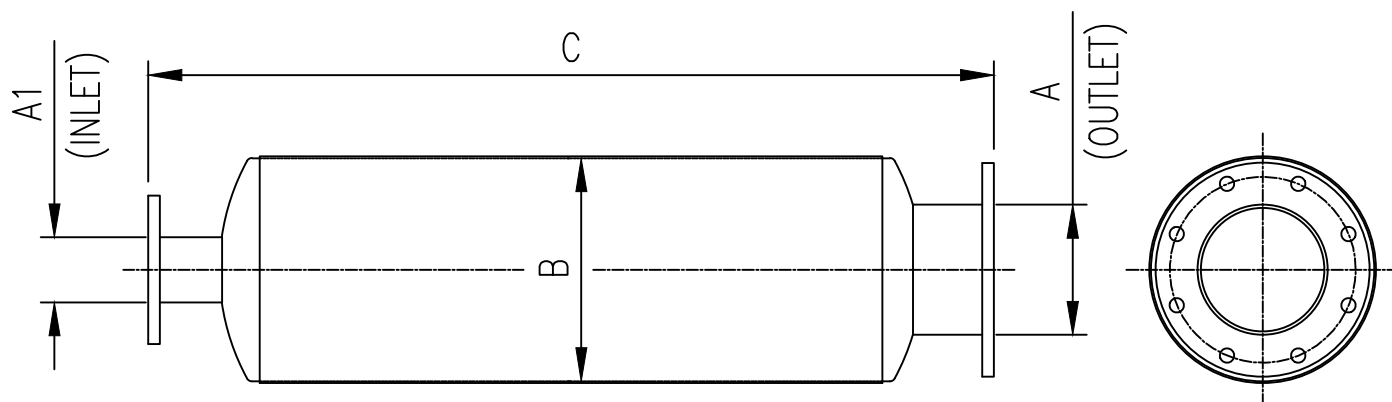
Silencer is of all-welded steel construction. Exterior surfaces are prime coated. Acoustic absorptive materials is fiberglass.

Burgess-Manning LCV Vent Silencer



Typical Performance Dynamic Insertion Loss (DIL), dB

Silencer Velocity fpm	Octave Band Center Frequency Hz							
	63	125	250	500	1K	2K	4K	8K
5000	12	21	30	37	40	39	36	27
10000	15	22	30	36	39	38	35	25
15000	17	23	29	34	37	36	33	23
20000	17	24	24	29	34	34	29	20



LCV

Catalog Number	Dimensions in inches				Estimated Weight in lbs.
	A ₁	A	B	C	
LVC-8	4	8	14	57	145
LVC-10	6	10	16	71	210
LVC-12	6	12	18	81	295
LVC-14	8	14	20	96	410
LVC-16	4	16	22	108	525
LVC-18	10	18	24	120	660
LVC-20	10	20	26	133	885
LVC-22	12	22	30	147	1185
LVC-24	12	24	30	159	1235
LVC-26	12	26	32	172	1325
LVC-28	14	28	36	186	1675
LVC-30	14	30	36	197	1775
LVC-32	16	32	42	211	2600
LVC-36	18	36	42	238	2900
LVC-42	20	42	48	277	4500
LVC-48	24	48	54	314	6250

Flanges are drilled to match 125 lb. American Standard Flanges.
Specifications subject to change without notice.