



BMSV VENT SILENCER

BULLETIN 1920-9

APPLICATION

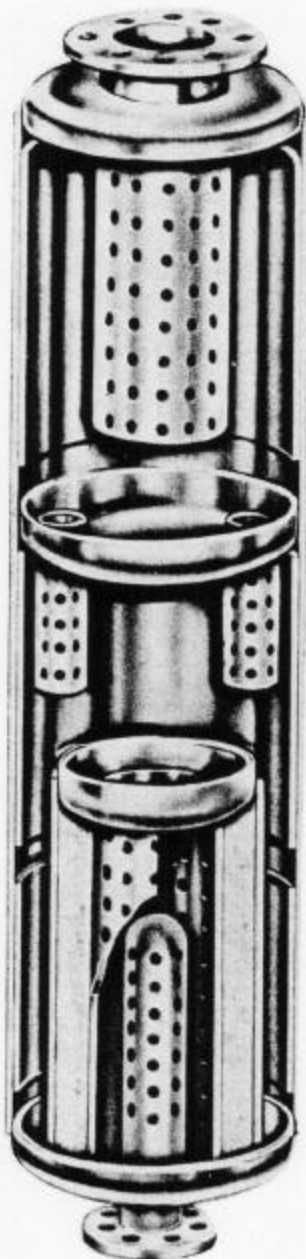
For air, gas and steam vent and blowdown applications where upstream pressure of valve is less than 1000 psi and/or upstream temperature is less than 1000°F. Primarily used on low and intermediate pressure steam vents (up to 300 psi) and steam and air ejectors. Vertical or horizontal installation.

DESIGN

Gas flow passes through an acoustic absorption section, an arrangement of ported tubes and snubbing chambers which attenuate the noise over a wide frequency range. Rugged construction insures durability under the impact caused by the release of high pressure gas.

CONSTRUCTION

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

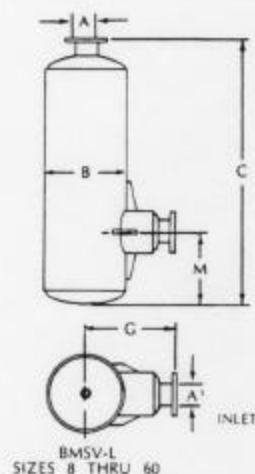
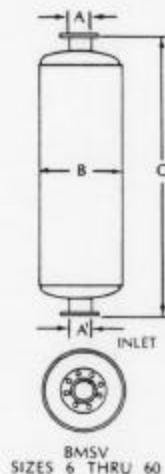
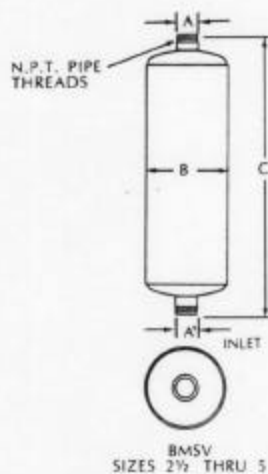


Typical Performance

Dynamic Insertion Loss (DIL), dB

Silencer Velocity, fpm	Octave Band Center Frequency Hz							
	63	125	250	500	1K	2K	4K	8K
5000	15	21	29	33	34	33	31	28
10000	21	25	29	35	38	38	37	34
15000	22	25	29	33	37	37	36	32
20000	25	26	28	32	35	35	34	30

Note: Silencer performance (DIL) will depend upon: a) Silencer model and size; b) Molecular weight of the gas; c) Pressure and temperature; d) Amplitude of input. Contact the factory for actual silencer performance for a specific application and service.



Catalog Number	DIMENSIONS IN INCHES									Est. Wgt. Lbs.	
	All Models			BMSV	BMSV-I		M				
	A	A'	B	C	C	G	BMSV-L		BMSV	BMSV-L	
			Min.	Max.							
BMSV-2½	2½	1	8	33	30	12	6	—	30	35	
BMSV-3	3	1	8	39	36	12	7	—	40	40	
BMSV-4	4	2	10	45	42½	15	7	—	65	70	
BMSV-5	5	2½	12	58	55	18	8	14	105	110	
BMSV-6	6	3	14	65	62	18	10	17	165	160	
BMSV-8	8	4	18	78	75	28½	12	21	275	270	
BMSV-10	10	6	22	91	88	34½	14	22	440	435	
BMSV-12	12	6	26	110	108	40½	16	27	665	665	
BMSV-14	14	8	30	125	122	47½	17	33	900	900	
BMSV-16	16	8	36	138	135	54	19	34	1,405	1,400	
BMSV-18	18	10	42	158	154	60½	21	43	2,120	2,320	
BMSV-20	20	10	42	176	172½	66	22	48	2,450	2,670	
BMSV-22	22	12	48	191	187	73	24	54	2,840	2,850	
BMSV-24	24	12	54	204	200	79	26	74	3,650	3,650	
BMSV-26	26	14	60	230	227	82	28	69	5,350	5,300	
BMSV-28	28	14	66	245	241	87	31	92	6,380	6,575	
BMSV-30	30	16	66	262	260	97	32	84	7,100	7,060	
BMSV-32	32	16	72	282	281	102	34	110	8,340	8,420	
BMSV-36	36	18	78	308	305	116	37	104	13,100	11,420	
BMSV-42	42	20	90	350	347	136	41	118	15,060	15,100	
BMSV-48	48	24	102	428	423	147	45	140	21,900	22,000	
BMSV-54	54	28	108	463	457	170	51	202	26,700	26,810	
BMSV-60	60	30	114	523	519	184	54	175	33,000	33,200	

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