



BURGESS-MANNING

Burgess-Manning, Inc., Subsidiary of Nitram Energy, Inc.

227 Thorn Avenue, Orchard Park, NY 14127

Phone: (716) 662-6540 Fax: (716) 662-6548 Website: www.burgess-manning.com

MODEL BMSI - Blower Intake Silencer

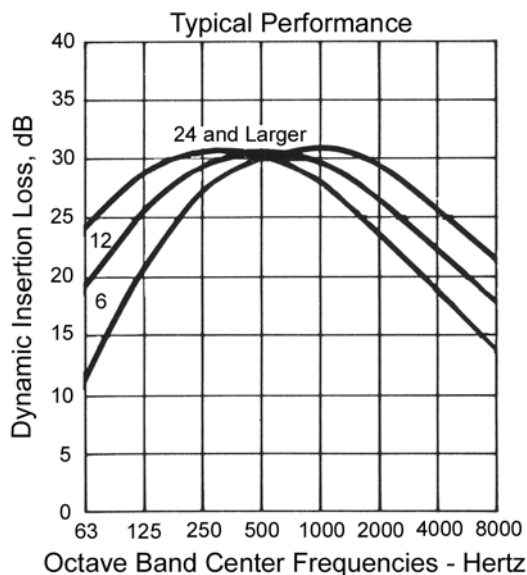
Burgess-Manning Above Transition Speed Blower Intake Silencer

Description:

Burgess-Manning combination chambered reactive/absorptive type blower intake silencers are specifically designed to provide ideal noise reduction at blower speeds above transition speed.

Features:

- Noise reduction up to 30 dB
- Economically priced
- Long service life
- All welded steel construction for explosion resistant service

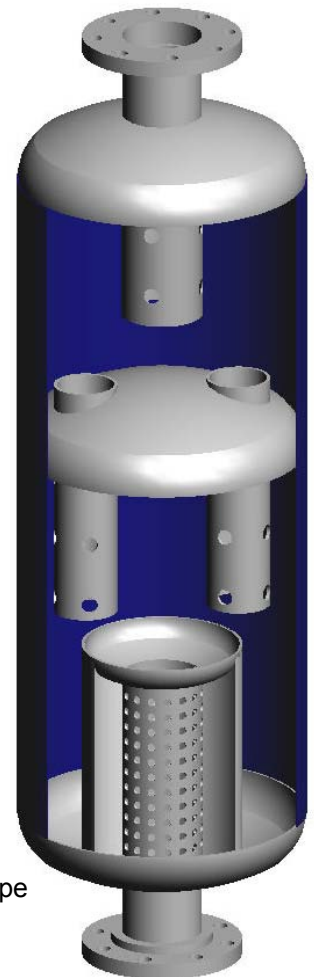


Specifications:

Maximum Noise Attenuation:	30 dB
Typical Sizes:	2" - 24" Larger Sizes Available Upon Request
Standard End Connections:	NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel Polyester Pack rated to 300 °F
Finish:	Prime Coated Exterior

Figure 1.0

Typical Burgess-Manning combination reactive/absorptive type silencer



Theory of Operation:

The Burgess-Manning patented principle used in the design of Burgess-Manning silencers involves passing the flow of gas through an acoustic absorptive section, then through an arrangement of ported tubes and snubbing chambers which attenuate the noise over a wide frequency range.



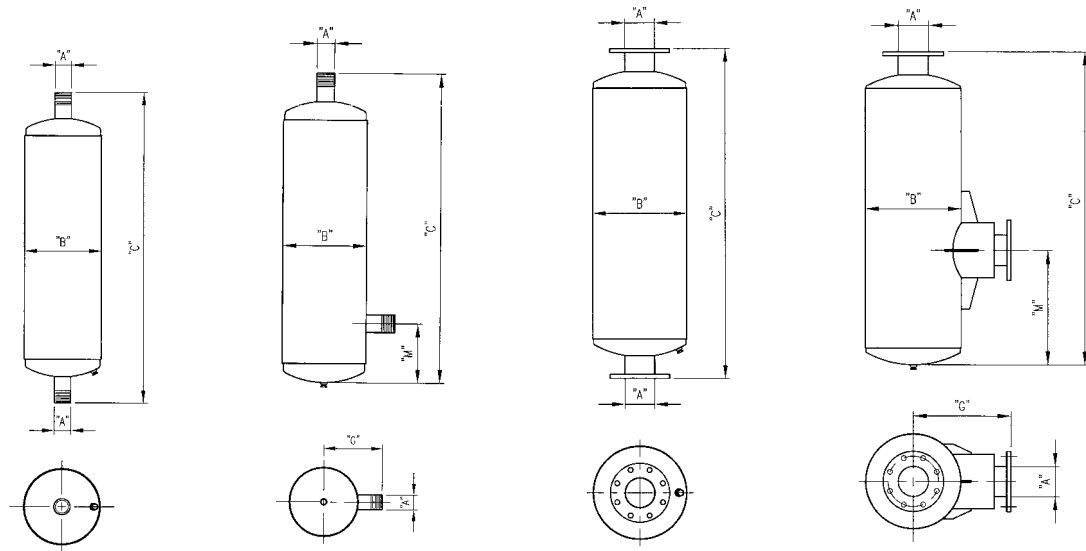
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MODEL BMSI - Blower Intake Silencer



BMSI
Sizes 2" Thru 5"

BMSI-L
Sizes 2" Thru 5"

BMSI
Sizes 6" and larger

BMSI-L
Sizes 6" and larger

Catalog Number	Dimensions in Inches							Estimated Weight in lbs.	
	All Models		BMSI	BMSI-L					
	A	B	C	C	G	M		BMSI	BMSI-L
						Min.	Max.		
BMSI-2	2	8	33	30	12	6	—	35	32
BMSI-2.5	2 1/2	8	33	30	12	6	—	35	32
BMSI-3	3	8	39	36	12	7	—	40	40
BMSI-3.5	3 1/2	10	45	42 1/2	15	7	—	70	80
BMSI-4	4	10	45	42 1/2	15	7	—	70	70
BMSI-5	5	12	58	55	18	8	14	115	110
BMSI-6	6	14	65	62	18	10	17	170	165
BMSI-8	8	18	78	75	28 1/2	12	21	280	280
BMSI-10	10	22	91	88	34 1/2	14	22	455	455
BMSI-12	12	26	110	108	40 1/2	16	27	690	685
BMSI-14	14	30	125	122	47 1/2	17	33	945	930
BMSI-16	16	36	138	135	54	19	34	1,455	1,440
BMSI-18	18	42	152	149	60 1/2	21	43	2,500	2,205
BMSI-20	20	42	176	172 1/2	66	22	48	2,470	2,537
BMSI-22	22	48	191	187	73	24	54	2,620	2,700
BMSI-24	24	54	204	200	79	26	74	3,390	3,470

Notes: - Flanges are drilled to match 125 lb. American Standard Flanges
 - Larger Units available upon request
 - Specifications subject to change without notice

BMSI-BI0903