



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 BEOA - Blower Discharge Silencer

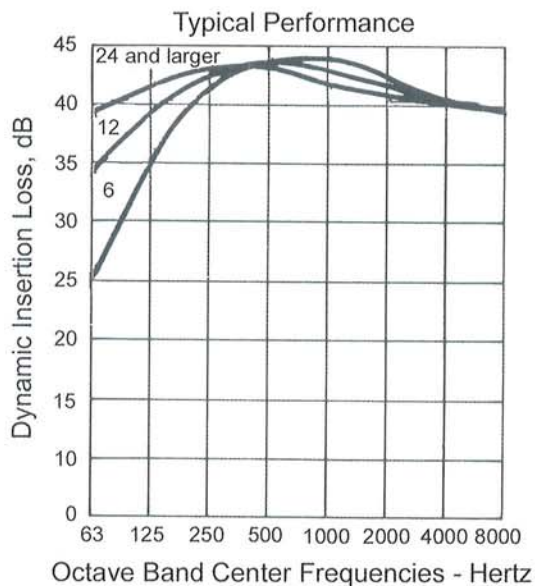
Burgess-Manning Above Transition Speed Blower Discharge Silencer

Description:

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

Features:

- Noise reduction exceeding 40 dB
- Economically priced
- Long service life
- All welded steel construction for explosion resistant service



Specifications:

Maximum Noise Attenuation:	40+ dB
Typical Sizes:	8" - 24" Larger Sizes Available Upon Request
Standard End Connections:	NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel Polyester Pak rated to 300 °F
Finish:	Prime Coated Exterior

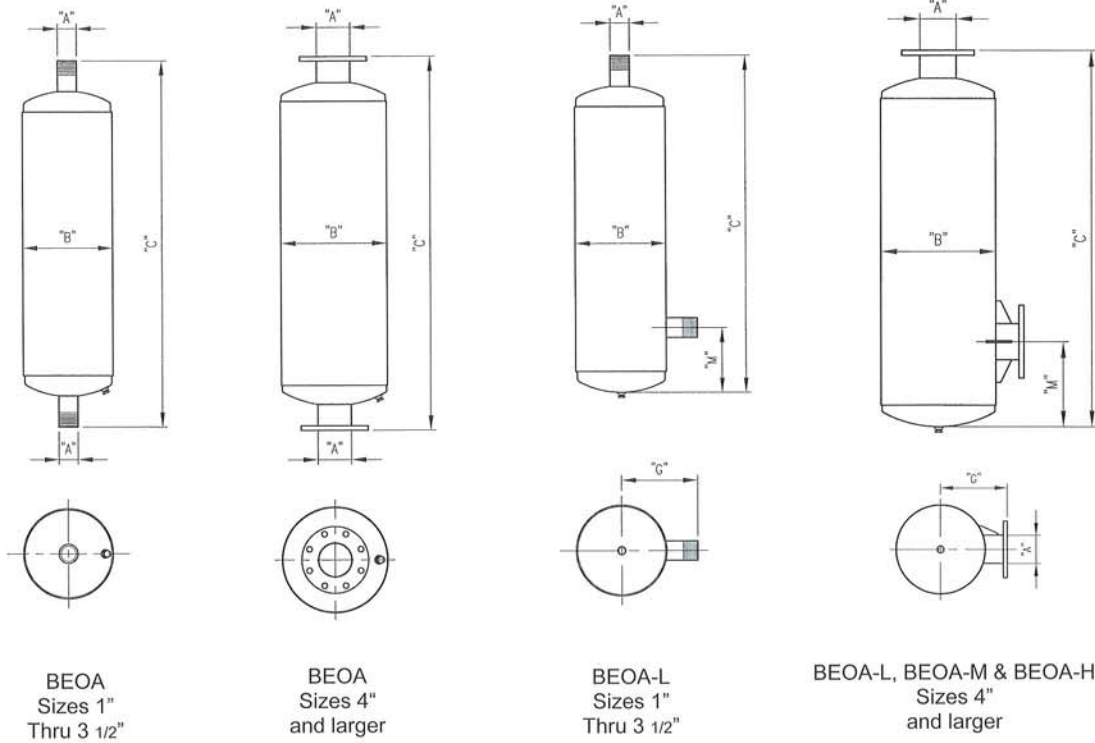
Figure 1.0

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.



Catalog Number	Dimensions in Inches											Estimated Weight in lbs.	
	All Models		BEOA	BEOA-L, BEOA-M BEOA-H		M						BEOA BEOA-L	BEOA-M BEOA-H
	A	B	C	C	G	BEOA-L		BEOA-M		BEOA-H			
						Min.	Max.	Min.	Max.	Min.	Max.		
BEOA-1	1	6	25	22	5 1/2	2	—	—	—	—	—	10	—
BEOA-1.5	1 1/2	8	29	26	6 1/2	4	—	—	—	—	—	15	—
BEOA-2	2	10	30	27	7	5	—	—	—	—	—	30	—
BEOA-2.5	2 1/2	10	42	40	8	4 1/2	10	—	—	—	—	40	—
BEOA-3	3	12	48	44	10	5 1/2	10	—	—	—	—	65	—
BEOA-3.5	3 1/2	14	54	51	11	6	12	—	—	34	40	85	102
BEOA-4	4	14	66	63	11	6	16	—	—	42	52	115	135
BEOA-5	5	16	78	75	11	7	22	—	—	49	64	165	215
BEOA-6	6	18	97	94	12	8	29	—	—	61	82	225	310
BEOA-8	8	24	110	108	15	10	34	—	—	70	94	410	490
BEOA-10	10	30	136	133	18	12	40	—	—	90	119	655	990
BEOA-12	12	36	143	141	21	14	46	47	88	93	124	1,090	1,300
BEOA-14	14	36	199	196	22	15	69	76	129	130	178	1,470	1,860
BEOA-16	16	42	213	209	25	17	68	84	134	137	189	2,100	2,725
BEOA-18	18	48	214	211	28	19	68	85	135	139	189	3,050	3,325
BEOA-20	20	54	228	225	31	21	68	93	142	153	201	3,525	3,750
BEOA-22	22	60	232	228	35	23	74	89	141	149	201	4,800	5,150
BEOA-24	24	60	268	264	35	24	85	108	171	174	236	5,825	6,052

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