



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 BPDR - Blower Discharge Silencer

Burgess-Manning Below Transition Speed Bedplate Discharge Silencer

Description:

The Burgess-Manning Model BPDR Bedplate Silencer is designed to make blower packaging more economical. The model BPDR features a modular base plate design which reduces labor and overall cost of small blower packages. The inherent characteristics of the model BPDR allow the blower package to be assembled, tested and shipped without disassembly.

Features:

- Noise reduction up to 35 dB
- Economically priced
- Long service life
- All welded steel construction for explosion resistant service

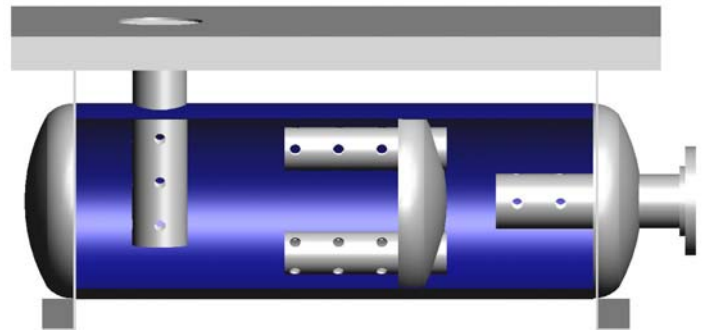
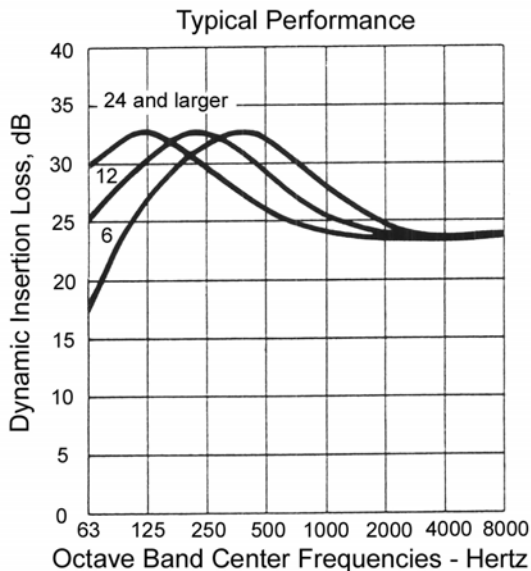


Figure 1.0
Typical Burgess-Manning reactive type bedplate silencer

Specifications:

Maximum Noise Attenuation:	35 dB
Typical Sizes:	2" - 6"
Standard End Connections:	Plain, NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel
Finish:	Prime Coated Exterior

Theory of Operation:

The Burgess-Manning patented principle used in the design of Burgess-Manning silencers involves passing gas flow through snubbing chambers. These snubbing chambers house an arrangement of ported tubes, which attenuate the noise to smooth, quiet flow.



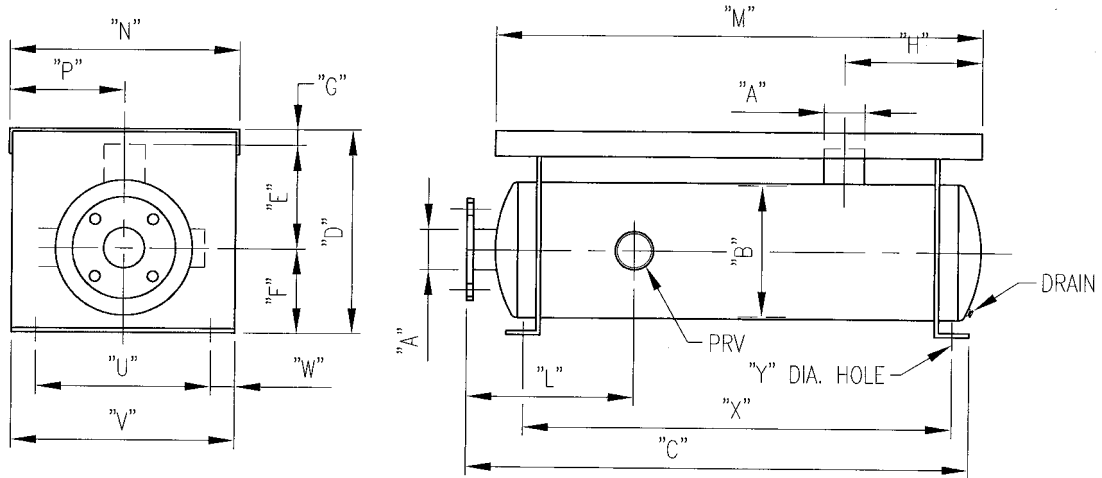
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Model	A	B	C	D	E	F	G	H	L	M	N	P	U	V	W	X	Y	PRV	Weight. lbs.
BPDR-2	2	8	29	14 1/8	7	5	2 1/8	8	12	36	19 3/8	11 3/16	12	19	3 1/2	25	5/8 x 7/8	2	85
BPDR-2.5	2 1/2	10	29 3/4	15 5/8	8	6	1 5/8	8	11	40	26 3/8	16 3/16	18	26	4	25 1/2	5/8 x 7/8	2	110
BPDR-3	3	10	48	17 3/8	8	7	2 3/16	8 3/4	17	48	27 1/2	15 1/4	18	27	4 1/2	44	3/4 x 1	2	230
BPDR-4	4	14	48 3/8	21 1/4	11	8	2 1/4	13	17	54	31	17 1/4	20 1/2	30 1/2	5	44	3/4 x 1	2	325
BPDR-5	5	16	60	24 1/4	12	10	2 1/4	12	20	60	32 5/8	17 5/16	24	32	4	55	3/4 x 1	3	415
BPDR-6	6	18	66 7/8	27 5/16	13	12	2 5/16	13	21	66	33 3/4	16 3/8	24	33	4 1/2	62	3/4 x 1	3	560

- Notes:
- Standard Inlet Connections Plain
 - Standard Outlet Connections NPT up to 4"
 - Standard Outlet Connections 125# ANSI Flanged above 4"
 - Specifications subject to change without notice