



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 WSS - Discharge Water Separator/Silencer

Burgess-Manning Discharge Separator/Silencer For Water-Sealed Vacuum Blowers

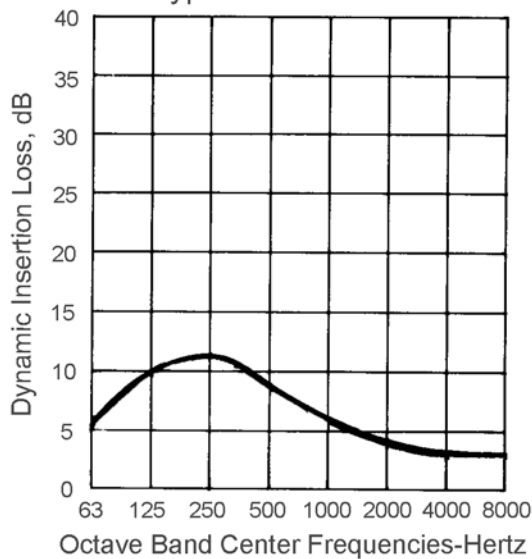
Description:

Burgess-Manning centrifugal type water separator/silencers are designed to remove entrained liquid from air in a vacuum system while providing noise reduction.

Features:

- 99% efficient extraction of free liquid
- Up to 10 dB noise reduction
- Economically priced
- Long service life

Typical Performance



Specifications:

Extraction Efficiency:	99% of Free Liquid
Noise reduction:	Up to 10 dB
Maximum Operating Pressure:	10 psig
Typical Sizes:	1" - 30" Larger Sizes Available Upon Request
Standard End Connections:	NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel Other Materials Available Upon Request
Finish:	Prime Coated Exterior



Figure 1.0
Burgess-Manning model WSS water separator.

Theory of Operation:

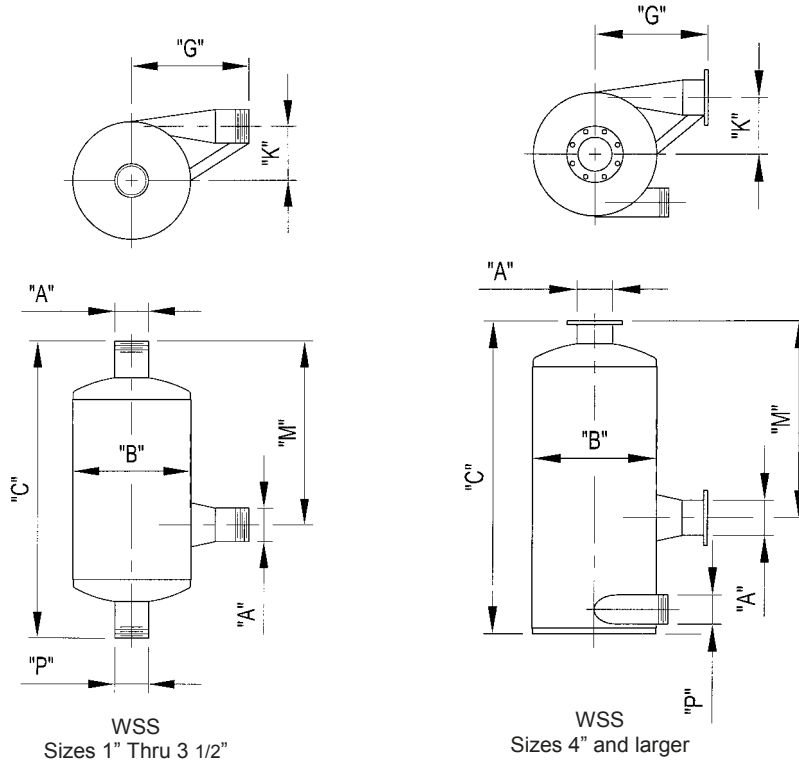
Air flow passes through a separation section where 99% of the free liquid is extracted centrifugally.



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Catalog Number	Dimensions in Inches							Estimated Weight in lbs.
	A	B	C	G	K	M	P	
WSS-1	1	4 1/2	14	6	2 3/32	8 3/4	1	10
WSS-1.25	1 1/4	4 1/2	14	6	2 1/16	8	1	10
WSS-1.5	1 1/2	6	17	7	2 3/4	10	1 1/2	15
WSS-2	2	8	22	9	3 11/16	13	2	25
WSS-2.5	2 1/2	10	24	10	4 5/8	14	2	35
WSS-3	3	10	27	11	4 9/16	16	2 1/2	50
WSS-3.5	3 1/2	12	30	12	5 1/2	18	2 1/2	60
WSS-4	4	12	29	13 1/2	5 7/16	18 1/2	3	85
WSS-5	5	16	35	14 1/2	7 5/16	21 1/2	3	130
WSS-6	6	18	42	18	8 3/16	27	3	175
WSS-8	8	22	52	21 1/2	9 15/16	32	3	285
WSS-10	10	24	56	26	10 11/16	32	3	440
WSS-12	12	30	69	31 1/2	13 7/16	40 1/2	4	685
WSS-14	14	36	75	36 1/2	16 1/4	43	4	1390
WSS-16	16	42	88	41 1/2	18 7/8	52	4	1860

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