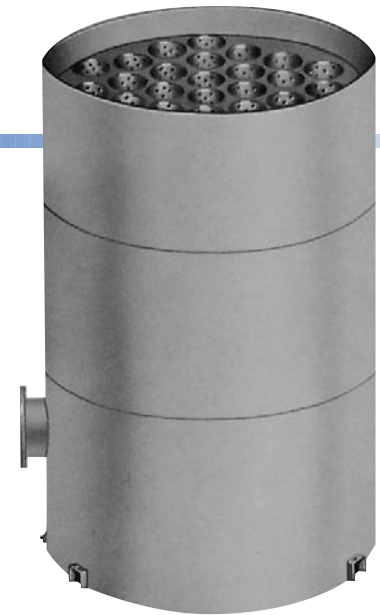


Blowdown Mutes

EFFECTIVE SILENCING OF ALL GAS, AIR, AND STEAM VENTS

AAF's Blowdown Mute is the answer to the problem of reducing excessive noise generated by high pressure, high velocity gas vents, and blowoffs.

The AAF Blowdown Mute is an assembly of time-proven, service-tested components, each specifically designed to perform its task and provide optimum overall silencer performance.



DESIGNED FOR EFFICIENT PERFORMANCE

The innovative design of the AAF Blowdown Mute provides:

- **More insertion loss per foot of silencer due to maximizing the exposed perforated tube surface area, backed by high absorption coefficient packing material.**
- **Maximum use of the absorptive characteristic of the tube module by conversion of the entering noise into higher frequencies.**
- **Rugged construction, resulting in years of long lasting service.**
- **Guaranteed performance based upon confidence of design, backed by in-service testing, resulting in published insertion loss data for every model and size.**
- **More compact design, reducing the need for costly support structures.**

TWO STYLES TO CHOOSE FROM

Available in two styles, the A-101 Blowdown Mute should be used when the application requires a nozzle supported bottom inlet. Use the A-111 when a self-standing side inlet is required.

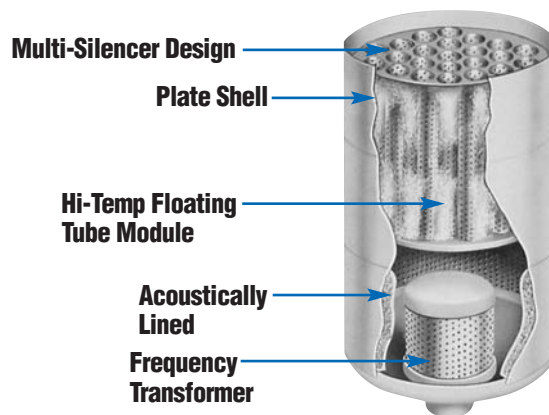
Both styles are available in various lengths, which correspond to dash numbers on the charts. The longest standard size is the -6 which provides the most noise reduction. The shortest standard size is the -2 which provides the least insertion loss when less noise reduction is needed.

WORLD CLASS QUALITY

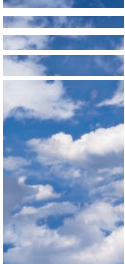
During the entire production process, our operations are governed by our ISO 9001 certified system.

SIZE CAPACITY RATINGS

BDM Size (Shell Diameter In.)	BDM Capacity (ACFM)
12	4,760
18	11,200
24	25,620
30	46,200
36	72,100
42	103,600
48	128,800
54	186,200
60	196,000
66	282,800
72	348,600
78	386,400
84	504,000
96	550,200
102	679,000
108	751,800
120	980,000
132	1,243,200
144	1,535,800



Cutaway view of AAF Blowdown Mute, Style A-101



Blowdown Mutes

STYLE A-101 NOZZLE SUPPORTED BOTTOM INLET

BDM SIZE	DIMENSIONS				DASH NUMBER								
	NOZZLE			—2		—3		—4		—5		—6	
	B	MAX	MIN	A	WGT	A	WGT	A	WGT	A	WGT	A	WGT
12	16"	5	1½	55"	125			79"	170			103"	210
18	17"	8	3	58"	210			82"	295			106"	370
24	24"	12	4	59"	355			95"	540			125"	725
30	26"	14	6	71"	520			107"	780			143"	1040
36	32"	16	6	84"	830	108"	1150	132"	1395	156"	1640	180"	1875
42	34"	20	8	97"	1150	133"	1690	157"	1980	193"	2390	217"	2675
48	38"	22	10	110"	1470	146"	2155	170"	2495	206"	2970	230"	3305
54	40"	28	12	123"	1900	159"	2680	195"	3250	231"	3815	267"	4380
60	44"	30	12	100"	1920	124"	2640	148"	3160	172"	3555	196"	4150
66	48"	32	14	125"	2635	161"	3835	185"	4410	221"	5210	245"	5790
72	50"	36	16	126"	3540	162"	5010	186"	5740	222"	6765	246"	7495
78	52"	40	16	139"	4300	175"	5925	211"	7100	257"	8280	283"	9460
84	56"	42	18	140"	4730	176"	6490	212"	7760	248"	9040	284"	10310
96	58"	42	20	129"	5530	165"	7810	189"	8970	225"	10565	249"	11725
102	60"	48	20	142"	6355	178"	8915	202"	10155	238"	11870	262"	13110
108	74"	54	24	155"	8690	191"	11660	227"	13810	263"	15960	299"	18115
120	90"	60	24	168"	10460	204"	13950	240"	16370	276"	18800	312"	21225
132	96"	66	30	194"	13740	242"	16930	290"	22040	338"	25590	386"	29285
144	98"	72	36	195"	15400	244"	20655	292"	24570	340"	28480	388"	32555

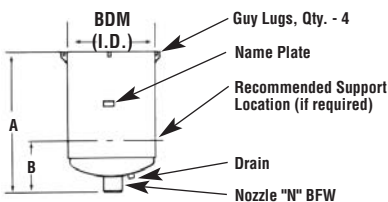
OPTIONS

- ✓ **Non-standard silencer lengths greater than — 6**
- ✓ **Flanged inlet nozzle per ANSI specifications, or special design**
- ✓ **Construction of special materials, including weathering steel and stainless steel**
- ✓ **High temperature fiber acoustical packing**
- ✓ **External finishes of all types**
- ✓ **Equipment designed to ASME Code standards**
- ✓ **Integral liquid separator**
- ✓ **Weather hood**
- ✓ **Additional modular tube bundle**
- ✓ **Acoustic liner**
- ✓ **Support lugs**
- ✓ **Saddle supports**

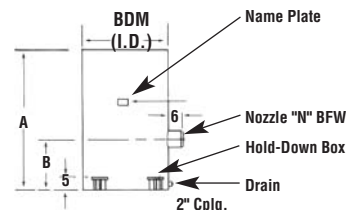
SELECTION CRITERIA

To select the best Blowdown Mute for your application, you will need the following information:

- ✓ **Characteristics of the gas handled, such as, type and molecular weight**
- ✓ **Actual flow rate in ACFM at atmospheric pressure, or mass flow rate and upstream temperature and pressure**
- ✓ **Insertion loss necessary to meet the noise reduction requirements**
- ✓ **Piping configuration and interface requirements, such as type and size of mating connections**
- ✓ **Available space and preferred silencer orientation**



Style A-101 Nozzle Supported Bottom Inlet



Style A-111 Self-Standing Side Inlet

STYLE A-111 SELF-STANDING SIDE INLET

BDM SIZE	DIMENSIONS				DASH NUMBER								
	B	N MAX	Hold-Down B.C.	—2		—3		—4		—5		—6	
				A	WGT	A	WGT	A	WGT	A	WGT	A	WGT
60	39"	18	66	108"	2280	132"	3100	156"	3620	180"	4140	204"	4620
66	45"	24	71	132"	3070	168"	4390	192"	4960	228"	5770	252"	6340
72	45"	24	77	132"	4100	168"	5710	192"	6440	228"	7470	252"	8200
78	46"	28	83	144"	4915	180"	6670	216"	7850	256"	9100	288"	10220
84	46"	30	89	144"	5420	180"	7330	216"	8610	256"	9960	288"	11160
96	54"	30	101	144"	6570	180"	9100	204"	10270	240"	11860	264"	13030
102	53"	36	107	144"	7020	180"	9750	204"	10990	240"	12710	264"	13950
108	54"	42	113	156"	9570	192"	12710	228"	14870	264"	17030	300"	19190
120	63"	42	125	168"	11230	204"	14880	240"	17310	276"	19740	312"	22170
132	69"	48	137	204"	15070	252"	20170	300"	23730	348"	27290	396"	30990
144	69"	54	149	204"	16910	252"	22570	300"	26490	348"	30410	396"	34500

For Additional Information
On AAF Products,
Call The Answer Center
800.477.1214



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P O BOX 35690 LOUISVILLE KY 40232-5690