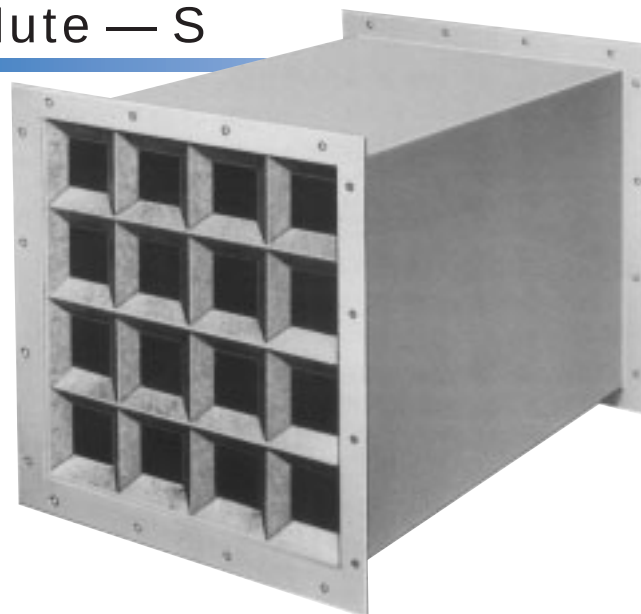


Rectangular Duct Mute — S



COMPACT AND ECONOMICAL NOISE REDUCTION

The AAF Rectangular Duct Mute — S (RDM-S) is engineered to meet today's stringent noise reduction standards. Providing noise reduction in a compact, economical package, constructed of heavy gauge materials, the (RDM-S) is ideal for gas turbine and compressor intake systems, and axial fans. Our unique design delivers:

- **Maximum insertion loss per unit length**
- **No acoustic short circuits**
- **Guaranteed performance**

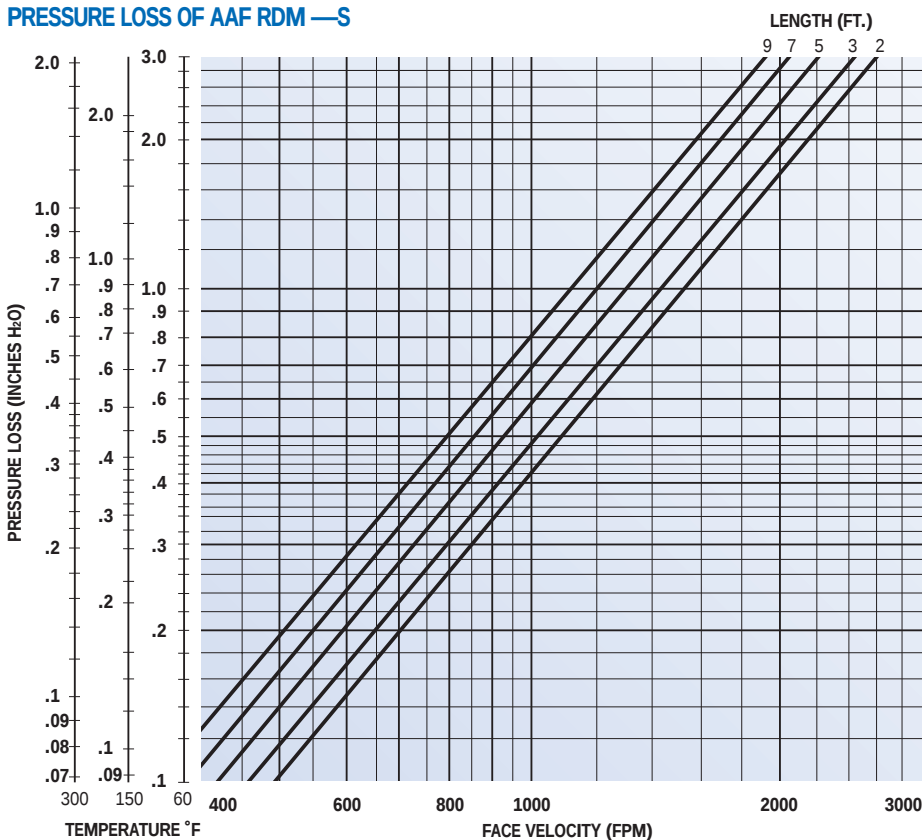
OPTIONS

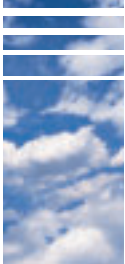
- ✓ **Lifting lugs and/or support brackets**
- ✓ **Special flanges**
- ✓ **Drilling**
- ✓ **Erosion protection of acoustical packing**
- ✓ **High temperature design — over 300°F**
- ✓ **Special materials**
- ✓ **Special painting**

INLET APPLICATIONS

Octave Band Center Frequency - Hertz	125	250	500	1000	2000	4000	8000
Dash Number	Insertion Loss						
—2	7	9	19	31	43	42	28
—3	8	11	23	37	48	47	31
—4	9	13	28	43	52	51	34
—5	10	15	32	49	55	54	37
—6	11	17	37	51	59	57	40
—7	12	19	42	53	62	60	42
—8	13	22	47	56	64	63	45
—9	15	24	50	58	67	65	49

PRESSURE LOSS OF AAF RDM — S





Rectangular Duct Mute — S

SIZES

WORLD CLASS QUALITY

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

RECTANGULAR DUCT MUTE MODEL DESIGNATION

3.5 x 7 RDM—S —3

Cross Section
Width (Ft.) x
Height (Ft.)

Rectangular
Duct Mute —S

Dash
Number
Indicates
Length
in Ft.

Area Ft. ²	X-Section Ft.	Area Ft. ²	X-Section Ft.	Area Ft. ²	X-Section Ft.
4	2 x 2	25	5 x 5	50	5 x 10
6	2 x 3	27	3 x 9	54	6 x 9
8	2 x 4	28	4 x 7	55	5 x 11
9	3 x 3	30	3 x 10; 5 x 6	56	7 x 8
10	2 x 5	32	4 x 8	60	5 x 12; 6 x 10
12	2 x 6; 3 x 4	35	5 x 7	63	7 x 9
14	2 x 7	36	4 x 9; 6 x 6	64	8 x 8
15	3 x 5	40	4 x 10; 5 x 8	66	6 x 11
16	2 x 8; 4 x 4	42	6 x 7	70	7 x 10
18	2 x 9; 3 x 6	44	4 x 11	72	6 x 12; 8 x 9
20	2 x 10; 4 x 5	45	5 x 9	77	7 x 11
21	3 x 7	48	4 x 12; 6 x 8	80 84	8 x 10 7 x 12
24	3 x 8; 4 x 6	49	7 x 7	88 96	8 x 11 8 x 12

Note: Cross sections listed above are in even 1" increments. 6" increments are available where the cross sectional area equals or exceeds the minimum required.

DISCHARGE APPLICATIONS

Octave Band Center Frequency - Hertz		125	250	500	1000	2000	4000	8000
Dash No.	Face Velocity FPM	Insertion Loss						
—2	1000	6	8	17	28	42	41	29
	2000	6	7	15	23	38	38	26
	3000	5	7	13	18	35	34	23
—3	1000	8	9	21	35	46	45	32
	2000	7	9	19	30	41	40	29
	3000	6	8	17	25	37	36	26
—4	1000	8	11	26	41	51	50	35
	2000	7	10	23	36	46	45	32
	3000	7	9	20	32	41	40	29
—5	1000	9	13	29	46	54	53	38
	2000	8	12	27	42	50	49	36
	3000	7	11	25	38	45	43	33
—6	1000	10	14	34	49	58	56	41
	2000	9	13	31	44	54	52	39
	3000	8	12	29	39	48	46	36
—7	1000	11	16	39	52	61	59	45
	2000	10	15	35	46	57	56	42
	3000	9	13	32	40	52	50	39
—8	1000	11	18	43	55	63	62	48
	2000	10	16	39	49	60	58	45
	3000	10	15	35	43	55	53	41
—9	1000	12	20	47	58	66	65	51
	2000	11	18	43	52	62	61	48
	3000	10	17	39	46	57	55	44



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