60 years of Pride

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JOHNSONTECH AIR CONTROL INC.

Innovation · Quality · Reliable · Service

Specialized In Safety Passive/Active Fire Protection , Air Filtration Products

Damper / Actuator / Smoke Curtain / VAV /
Chilled Beam / Fan / Louver & Grilles
Automatic Smoke Ventilation Window System / Raised Floor

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JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE

Standard construction

Casing: 0.8mm galvanized steel

Inner splitters: 0.6mm galvanized perforated steel

filler: fiber glass 24 kg/m^3 packed under 5% compression which tested in accordance with standard ASTM E84 or UL-723 test methods.

FLAMESPREAD …… 15

FUEL CONTRIBUTED……15

SMOKE DEVELOPED…….. 0



Performance tested with standard ASTM E-477 for Acoustical , Airflow performance and static Pressure drop by 600X600mm Modular sizes

Insertion loss data does not account for break out noise.

Silencers capable of withstanding 200 mmAq air pressure.

MODEL NAME DESCRIPTION

EXSAMPLE MODEL 300/100

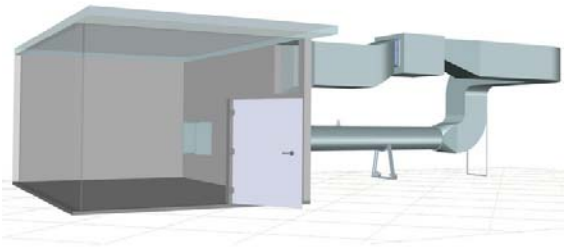
SPLITTER WIDTH 300MM

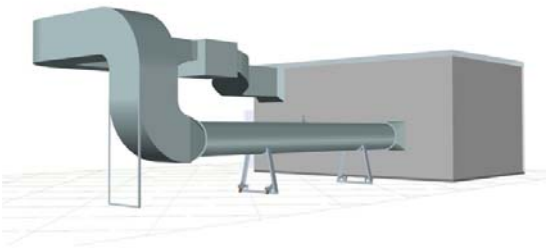
AIRWAY WIDTH 100MM

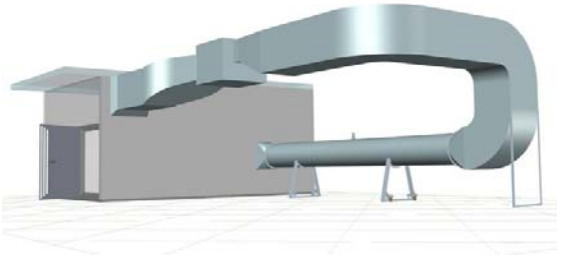
STANDARD MODEL

200/200, 200/125, 200/100, 200/75, 250/250, 250/150, 250,125, 250,75, 300/300, 300/200, 300/150, 300/100

OUR TEST LABATORY – In accordance with standard ASTM E-477









PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 300/300

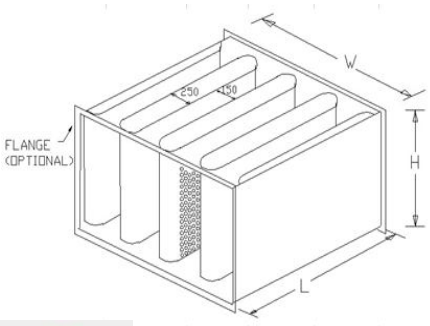
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-20	4	6	9	12	11	8	7	5
		-10	4	6	10	12	12	8	7	5
		0	3	6	8	10	11	9	7	6
		10	1	5	6	8	10	10	7	6
		20	1	5	5	7	10	11	7	7
	900	-20	6	11	12	15	15	11	8	5
		-10	6	11	13	15	16	11	8	5
		0	5	11	11	13	15	12	8	6
		10	3	10	9	11	14	13	8	6
		20	3	10	8	10	14	14	8	7
	1200	-20	7	16	19	22	22	15	9	6
		-10	7	15	19	21	21	15	9	7
		0	6	14	17	20	22	16	10	7
		10	5	13	15	19	22	17	10	7
		20	5	13	15	18	22	17	9	7
	1500	-20	7	18	21	25	26	17	10	7
		-10	7	17	21	24	25	17	10	8
		0	6	16	19	23	26	18	11	8
		10	5	15	17	22	26	19	11	8
		20	5	15	17	21	26	19	10	8
	1800	-20	9	20	25	28	29	22	10	10
		-10	9	20	24	27	29	22	10	10
		0	8	18	22	27	30	22	12	10
		10	7	16	20	26	30	22	13	10
		20	7	16	19	25	30	23	13	11
	2100	-20	11	23	28	32	33	22	11	10
		-10	11	23	27	31	33	22	11	10
		0	10	21	25	31	34	22	13	10
		10	9	19	23	30	34	22	14	10
		20	9	19	22	29	34	23	14	11
	2400	-20	11	25	30	35	36	23	12	11
		-10	11	25	29	34	36	23	12	11
		0	10	23	27	34	37	23	14	11
		10	9	21	25	33	37	23	15	11
		20	9	21	24	32	37	24	15	12
	2700	-20	12	29	35	40	39	25	11	11
		-10	12	28	35	39	39	25	11	12
		0	11	25	32	39	42	25	14	12
		10	10	23	30	38	42	25	15	12
		20	10	23	29	37	42	26	15	13
	3000	-20	13	32	38	43	41	26	12	11
		-10	13	31	38	42	41	26	12	12
		0	12	28	35	42	44	26	15	12
		10	11	26	33	41	44	26	16	12
		20	11	26	32	40	44	27	16	13

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

Velocity M/S	SELF-GENERATED SOUND POWER LEVELS (dB) 63	125	250	500	1K	2K	4K	8K
-20	83	78	77	72	68	83	79	56
-10	66	62	60	56	55	60	53	42
10	66	59	55	51	51	52	47	39
20	83	74	72	67	67	73	77	64

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 300/200

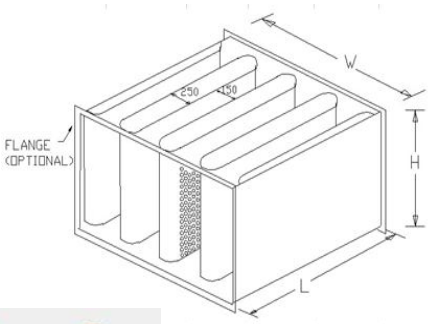
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	3	7	13	15	22	15	11	5
		-5	3	7	12	18	23	16	12	9
		0	4	6	12	17	22	17	11	8
		5	4	5	12	15	20	18	10	9
		10	3	5	11	13	19	19	10	9
	900	-10	6	12	16	16	24	18	13	7
		-5	6	12	15	19	25	19	14	11
		0	7	11	15	18	24	20	13	10
		5	7	10	15	16	22	21	12	11
		10	6	10	14	14	21	22	12	11
	1200	-10	8	16	23	23	28	22	16	9
		-5	8	15	22	25	29	23	17	11
		0	8	14	21	26	29	25	16	12
		5	8	12	20	26	28	26	15	13
		10	7	12	19	23	27	26	15	13
	1500	-10	9	18	27	28	32	26	17	10
		-5	9	17	26	30	33	27	18	12
		0	9	16	25	31	33	29	17	13
		5	9	14	24	31	32	30	16	14
		10	8	14	23	28	31	30	16	14
	1800	-10	11	21	32	30	38	30	19	13
		-5	10	20	31	32	37	31	20	14
		0	10	18	30	34	38	33	20	15
		5	9	15	28	35	38	34	19	16
		10	8	15	27	33	37	35	19	16
	2100	-10	12	24	35	31	39	31	21	14
		-5	11	23	34	33	38	32	22	15
		0	11	21	33	35	39	34	22	16
		5	10	18	31	36	39	35	21	17
		10	9	18	30	34	38	36	21	17
	2400	-10	13	26	37	32	40	33	22	15
		-5	12	25	36	34	39	34	23	16
		0	12	23	35	36	40	36	23	17
		5	11	20	33	37	40	37	22	18
		10	10	20	32	35	39	38	22	18
	2700	-10	15	29	41	35	41	36	24	17
		-5	15	29	41	36	41	37	25	18
		0	13	25	38	40	42	39	25	19
		5	11	21	35	43	42	40	25	19
		10	11	20	34	41	42	41	25	20
	3000	-10	16	32	46	38	43	39	27	18
		-5	16	32	46	39	43	40	28	19
		0	14	28	43	43	44	42	28	20
		5	12	24	40	46	44	43	28	20
		10	12	23	39	44	44	44	28	21

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
Velocity M/S	63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 300/150

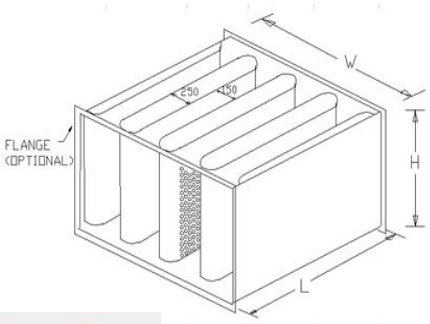
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	5	8	15	18	25	20	14	7
		-5	5	8	14	21	26	21	15	11
		0	6	7	14	20	25	22	14	10
		5	6	6	14	18	23	23	13	11
		10	5	6	13	16	22	24	13	11
	900	-10	7	14	19	21	28	23	16	9
		-5	7	14	18	24	29	24	17	13
		0	8	13	18	23	28	25	16	12
		5	8	12	18	21	26	26	15	13
		10	7	12	17	19	25	27	15	13
	1200	-10	9	18	27	26	34	26	19	12
		-5	9	17	26	28	35	27	20	14
		0	9	16	25	29	35	29	19	15
		5	9	14	24	29	34	30	18	16
		10	8	14	23	26	33	30	18	16
	1500	-10	11	20	33	31	38	29	22	14
		-5	11	19	32	33	39	30	23	16
		0	11	18	31	34	39	32	22	17
		5	11	16	30	34	38	33	21	18
		10	10	16	29	31	37	33	21	18
	1800	-10	13	24	38	35	43	33	23	17
		-5	12	23	37	37	42	34	24	18
		0	12	21	36	39	43	36	24	19
		5	11	18	34	40	43	37	23	20
		10	10	18	33	38	42	38	23	20
	2100	-10	15	27	40	39	46	37	25	18
		-5	14	26	39	41	45	38	26	19
		0	14	24	38	43	46	40	26	20
		5	13	21	36	44	46	41	25	21
		10	12	21	35	42	45	42	25	21
	2400	-10	16	30	44	43	46	41	28	21
		-5	15	29	43	45	45	42	29	22
		0	15	27	42	47	46	44	29	23
		5	14	24	40	48	46	45	28	24
		10	13	24	39	46	45	46	28	24
	2700	-10	19	34	49	44	47	42	31	22
		-5	19	34	49	45	47	43	32	23
		0	17	30	46	49	48	45	32	24
		5	15	26	43	52	48	46	32	24
		10	15	25	42	50	48	47	32	25
	3000	-10	20	39	53	45	49	45	32	24
		-5	20	39	53	46	49	46	33	25
		0	18	35	50	50	50	48	33	26
		5	16	31	47	53	50	49	33	26
		10	16	30	46	51	50	50	33	27

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
VELOCITY M/S	63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 300/100

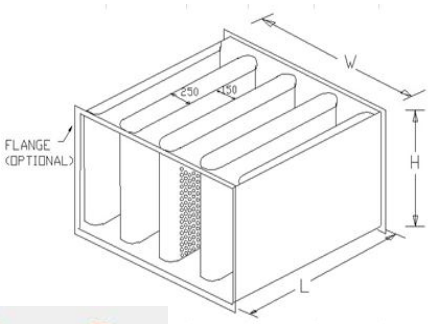
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-5	8	13	24	27	31	24	21	14
		-2.5	7	12	23	30	36	28	22	16
		0	7	12	22	27	32	29	21	15
		2.5	6	11	21	23	28	29	20	14
		5	6	9	20	21	25	28	19	16
	900	-5	11	16	30	31	35	28	25	16
		-2.5	10	15	29	34	40	32	26	18
		0	10	15	28	31	36	33	25	17
		2.5	9	14	27	27	32	33	24	16
		5	9	12	26	25	29	32	23	18
	1200	-5	13	20	41	38	38	35	30	20
		-2.5	13	20	40	41	40	38	31	22
		0	12	20	39	39	40	40	31	23
		2.5	11	19	38	36	39	41	31	24
		5	11	18	37	34	34	39	31	25
	1500	-5	14	22	48	42	41	38	32	23
		-2.5	14	22	47	45	43	41	33	25
		0	13	22	46	43	43	43	33	26
		2.5	12	21	45	40	42	44	33	27
		5	12	20	44	38	37	42	33	28
	1800	-5	16	25	52	44	41	39	35	27
		-2.5	15	25	51	47	43	42	36	28
		0	15	25	50	46	45	44	38	30
		2.5	14	24	48	45	46	45	39	31
		5	13	23	47	43	40	43	39	32
	2100	-5	19	32	53	48	44	41	37	30
		-2.5	18	32	52	51	46	44	38	31
		0	18	32	51	50	48	46	40	33
		2.5	17	31	49	49	49	47	41	34
		5	16	30	48	47	43	45	41	35
	2400	-5	21	38	54	49	46	42	39	33
		-2.5	20	38	53	52	48	45	40	34
		0	20	38	52	51	50	47	42	36
		2.5	19	37	50	50	51	48	43	37
		5	18	36	49	48	45	46	43	38
	2700	-5	25	44	54	48	44	44	39	36
		-2.5	24	44	54	50	46	47	40	37
		0	23	44	53	52	51	49	44	39
		2.5	22	44	51	55	56	51	48	40
		5	22	43	49	52	50	49	48	41
	3000	-5	26	48	55	49	45	45	40	38
		-2.5	25	48	55	51	47	48	41	39
		0	24	48	54	53	52	50	45	41
		2.5	23	48	52	56	57	52	49	42
		5	23	47	50	53	51	50	49	43

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

VELOCITY M/S	SELF-GENERATED SOUND POWER LEVELS (dB) 63	125	250	500	1K	2K	4K	8K
-5	61	48	43	43	46	55	54	42
-2.5	46	36	29	30	38	49	38	20
2.5	39	38	30	29	28	36	26	15
5	64	57	49	44	49	46	39	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 250/250

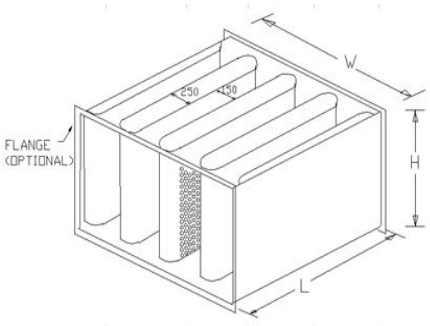
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-20	3	5	8	13	13	10	9	7
		-10	3	5	9	13	14	10	9	7
		0	2	5	7	11	13	11	9	8
		10	0	4	5	9	12	12	9	8
		20	0	4	4	8	12	13	9	9
	900	-20	5	7	14	16	17	13	10	8
		-10	5	7	15	16	18	13	10	8
		0	4	7	13	14	17	14	10	9
		10	2	6	11	12	16	15	10	9
		20	2	6	10	11	16	16	10	10
	1200	-20	6	10	17	24	25	18	12	9
		-10	6	9	17	23	24	18	12	10
		0	5	8	15	22	25	19	13	10
		10	4	7	13	21	25	20	13	10
		20	4	7	13	20	25	20	12	10
	1500	-20	7	13	19	27	29	20	13	10
		-10	7	12	19	26	28	20	13	11
		0	6	11	17	25	29	21	14	11
		10	5	10	15	24	29	22	14	11
		20	5	10	15	23	29	22	13	11
	1800	-20	8	14	23	31	33	25	14	13
		-10	8	14	22	30	33	25	14	13
		0	7	12	20	30	34	25	16	13
		10	6	10	18	29	34	25	17	13
		20	6	10	17	28	34	26	17	14
	2100	-20	10	15	27	35	38	25	14	13
		-10	10	15	26	34	38	25	14	13
		0	9	13	24	34	39	25	16	13
		10	8	11	22	33	39	25	17	13
		20	8	11	21	32	39	26	17	14
	2400	-20	10	16	28	38	41	26	15	14
		-10	10	16	27	37	41	26	15	14
		0	9	14	25	37	42	26	17	14
		10	8	12	23	36	42	26	18	14
		20	8	12	22	35	42	27	18	15
	2700	-20	11	20	32	43	45	28	15	14
		-10	11	19	32	42	45	28	15	15
		0	10	16	29	42	48	28	18	15
		10	9	14	27	41	48	28	19	15
		20	9	14	26	40	48	29	19	16
	3000	-20	12	22	35	50	47	29	16	14
		-10	12	21	35	49	47	29	16	15
		0	11	18	32	49	50	29	19	15
		10	10	16	30	48	50	29	20	15
		20	10	16	29	47	50	30	20	16

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
Velocity M/S	63	125	250	500	1K	2K	4K	8K
-20	83	78	77	72	68	83	79	56
-10	66	62	60	56	55	60	53	42
10	66	59	55	51	51	52	47	39
20	83	74	72	67	67	73	77	64

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 250/150

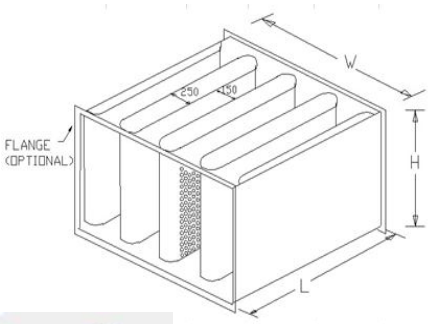
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	2	6	12	16	24	18	15	8
		-5	2	6	11	19	25	19	16	12
		0	3	5	11	18	24	20	15	11
		5	3	4	11	16	22	21	14	12
		10	2	4	10	14	21	22	14	12
	900	-10	4	9	15	19	26	21	17	10
		-5	4	9	14	22	27	22	18	14
		0	5	8	14	21	26	23	17	13
		5	5	7	14	19	24	24	16	14
		10	4	7	13	17	23	25	16	14
	1200	-10	6	12	21	25	31	26	20	13
		-5	6	11	20	27	32	27	21	15
		0	6	10	19	28	32	29	20	16
		5	6	8	18	28	31	30	19	17
		10	5	8	17	25	30	30	19	17
	1500	-10	7	15	25	30	36	30	22	14
		-5	7	14	24	32	37	31	23	16
		0	7	13	23	33	37	33	22	17
		5	7	11	22	33	36	34	21	18
		10	6	11	21	30	35	34	21	18
	1800	-10	9	18	29	33	42	34	24	18
		-5	8	17	28	35	41	35	25	19
		0	8	15	27	37	42	37	25	20
		5	7	12	25	38	42	38	24	21
		10	6	12	24	36	41	39	24	21
	2100	-10	11	20	32	34	43	36	27	19
		-5	10	19	31	36	42	37	28	20
		0	10	17	30	38	43	39	28	21
		5	9	14	28	39	43	40	27	22
		10	8	14	27	37	42	41	27	22
	2400	-10	11	22	34	35	44	38	28	20
		-5	10	21	33	37	43	39	29	21
		0	10	19	32	39	44	41	29	22
		5	9	16	30	40	44	42	28	23
		10	8	16	29	38	43	43	28	23
	2700	-10	13	25	38	38	47	42	31	23
		-5	13	25	38	39	47	43	32	24
		0	11	21	35	43	48	45	32	25
		5	9	17	32	46	48	46	32	25
		10	9	16	31	44	48	47	32	26
	3000	-10	14	27	42	42	49	46	35	25
		-5	14	27	42	43	49	47	36	26
		0	12	23	39	47	50	49	36	27
		5	10	19	36	50	50	50	36	27
		10	10	18	35	48	50	51	36	28

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

Velocity M/S	SELF-GENERATED SOUND POWER LEVELS (dB) 63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

FACE AREA (M^2)	FACE AREA ADJUSTMENT FACTORS 0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 250/125

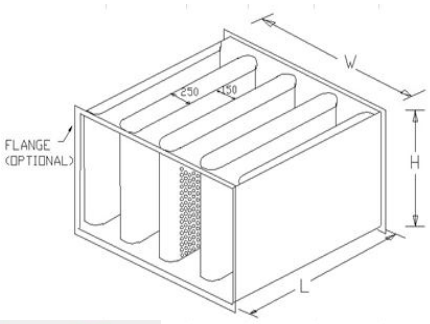
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	3	7	14	19	27	23	18	10
		-5	3	7	13	22	28	24	19	14
		0	4	6	13	21	27	25	18	13
		5	4	5	13	19	25	26	17	14
		10	3	5	12	17	24	27	17	14
	900	-10	5	10	17	22	30	26	20	12
		-5	5	10	16	25	31	27	21	16
		0	6	9	16	24	30	28	20	15
		5	6	8	16	22	28	29	19	16
		10	5	8	15	20	27	30	19	16
	1200	-10	7	14	25	28	36	30	24	16
		-5	7	13	24	30	37	31	25	18
		0	7	12	23	31	37	33	24	19
		5	7	10	22	31	36	34	23	20
		10	6	10	21	28	35	34	23	20
	1500	-10	8	16	30	33	41	35	27	18
		-5	8	15	29	35	42	36	28	20
		0	8	14	28	36	42	38	27	21
		5	8	12	27	36	41	39	26	22
		10	7	12	26	33	40	39	26	22
	1800	-10	10	18	35	38	48	40	30	22
		-5	9	17	34	40	47	41	31	23
		0	9	15	33	42	48	43	31	24
		5	8	12	31	43	48	44	30	25
		10	7	12	30	41	47	45	30	25
	2100	-10	12	22	37	39	49	42	31	24
		-5	11	21	36	41	48	43	32	25
		0	11	19	35	43	49	45	32	26
		5	10	16	33	44	49	46	31	27
		10	9	16	32	42	48	47	31	27
	2400	-10	13	25	41	43	50	46	35	26
		-5	12	24	40	45	49	47	36	27
		0	12	22	39	47	50	49	36	28
		5	11	19	37	48	50	50	35	29
		10	10	19	36	46	49	51	35	29
	2700	-10	15	29	44	45	50	47	38	27
		-5	15	29	44	46	50	48	39	28
		0	13	25	41	50	51	50	39	29
		5	11	21	38	53	51	51	39	29
		10	11	20	37	51	51	52	39	30
	3000	-10	16	33	50	46	51	48	40	30
		-5	16	33	50	47	51	49	41	31
		0	14	29	47	51	52	51	41	32
		5	12	25	44	54	52	52	41	32
		10	12	24	43	52	52	53	41	33

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
VELOCITY M/S	63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 250/75

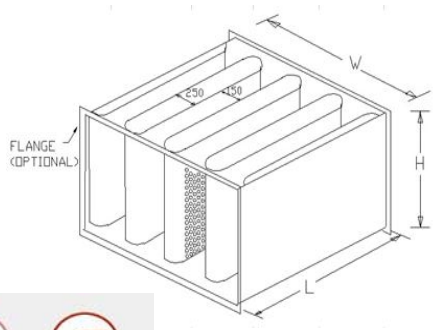
Net Insertion loss ratings

			INSERTION LOSS (dB)							
FREQUENCY (HZ)		VELOCITY M/S	63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-5	6	11	22	29	34	28	27	19
		-2.5	5	10	21	32	39	32	28	21
		0	5	10	20	29	35	33	27	20
		2.5	4	9	19	25	31	33	26	19
		5	4	7	18	23	28	32	25	21
	900	-5	8	13	27	33	39	33	31	22
		-2.5	7	12	26	36	44	37	32	24
		0	7	12	25	33	40	38	31	23
		2.5	6	11	24	29	36	38	30	22
		5	6	9	23	27	33	37	29	24
	1200	-5	11	16	37	41	48	41	38	28
		-2.5	11	16	36	44	50	44	39	30
		0	10	16	35	42	50	46	39	31
		2.5	9	15	34	39	49	47	39	32
		5	9	14	33	37	44	45	39	33
	1500	-5	12	19	44	45	49	44	40	31
		-2.5	12	19	43	48	51	47	41	33
		0	11	19	42	46	51	49	41	34
		2.5	10	18	41	43	50	50	41	35
		5	10	17	40	41	45	48	41	36
	1800	-5	13	21	52	48	48	45	44	36
		-2.5	12	21	51	51	50	48	45	37
		0	12	21	50	50	52	50	47	39
		2.5	11	20	48	49	53	51	48	40
		5	10	19	47	47	47	49	48	41
	2100	-5	16	27	53	49	49	46	47	40
		-2.5	15	27	52	52	51	49	48	41
		0	15	27	51	51	53	51	50	43
		2.5	14	26	49	50	54	52	51	44
		5	13	25	48	48	48	50	51	45
	2400	-5	18	32	54	50	50	47	48	44
		-2.5	17	32	53	53	52	50	49	45
		0	17	32	52	52	54	52	51	47
		2.5	16	31	50	51	55	53	52	48
		5	15	30	49	49	49	51	52	49
	2700	-5	21	37	54	49	48	48	47	47
		-2.5	20	37	54	51	50	51	48	48
		0	19	37	53	53	55	53	52	50
		2.5	18	37	51	56	60	55	56	51
		5	18	36	49	53	54	53	56	52
	3000	-5	22	41	55	50	49	49	48	48
		-2.5	21	41	55	52	51	52	49	49
		0	20	41	54	54	56	54	53	51
		2.5	19	41	52	57	61	56	57	52
		5	19	40	50	54	55	54	57	53

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
VELOCITY M/S	63	125	250	500	1K	2K	4K	8K
-5	61	48	43	43	46	55	54	42
-2.5	46	36	29	30	38	49	38	20
2.5	39	38	30	29	28	36	26	15
5	64	57	49	44	49	46	39	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 200/200

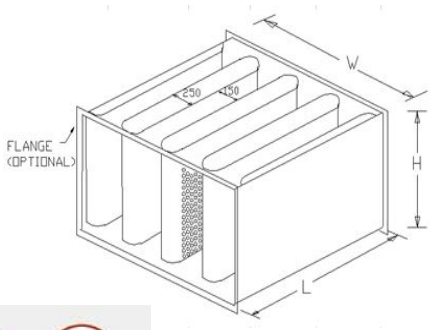
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-20	3	5	8	14	15	12	11	9
		-10	3	5	9	14	16	12	11	9
		0	2	5	7	12	15	13	11	10
		10	0	4	5	10	14	14	11	10
		20	0	4	4	9	14	15	11	11
	900	-20	5	5	11	17	19	15	12	11
		-10	5	5	12	17	20	15	12	11
		0	4	5	10	15	19	16	12	12
		10	2	4	8	13	18	17	12	12
		20	2	4	7	12	18	18	12	13
	1200	-20	5	8	16	26	28	21	15	12
		-10	5	7	16	25	27	21	15	13
		0	4	6	14	24	28	22	16	13
		10	3	5	12	23	28	23	16	13
		20	3	5	12	22	28	23	15	13
	1500	-20	6	10	18	29	32	23	16	13
		-10	6	9	18	28	31	23	16	14
		0	5	8	16	27	32	24	17	14
		10	4	7	14	26	32	25	17	14
		20	4	7	14	25	32	25	16	14
	1800	-20	7	12	22	34	37	28	17	16
		-10	7	12	21	33	37	28	17	16
		0	6	10	19	33	38	28	19	16
		10	5	8	17	32	38	28	20	16
		20	5	8	16	31	38	29	20	17
	2100	-20	7	13	25	38	43	28	17	16
		-10	7	13	24	37	43	28	17	16
		0	6	11	22	37	44	28	19	16
		10	5	9	20	36	44	28	20	16
		20	5	9	19	35	44	29	20	17
	2400	-20	8	14	27	41	46	29	18	17
		-10	8	14	26	40	46	29	18	17
		0	7	12	24	40	47	29	20	17
		10	6	10	22	39	47	29	21	17
		20	6	10	21	38	47	30	21	18
	2700	-20	8	18	31	47	47	31	19	17
		-10	8	17	31	46	47	31	19	18
		0	7	14	28	46	50	31	22	18
		10	6	12	26	45	50	31	23	18
		20	6	12	25	44	50	32	23	19
	3000	-20	9	19	33	49	48	32	20	17
		-10	9	18	33	48	48	32	20	18
		0	8	15	30	48	51	32	23	18
		10	7	13	28	47	51	32	24	18
		20	7	13	27	46	51	33	24	19

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
Velocity M/S	63	125	250	500	1K	2K	4K	8K
-20	83	78	77	72	68	83	79	56
-10	66	62	60	56	55	60	53	42
10	66	59	55	51	51	52	47	39
20	83	74	72	67	67	73	77	64

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 200/125

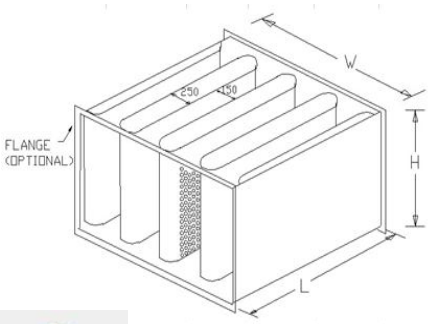
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	2	6	12	17	26	21	19	11
		-5	2	6	11	20	27	22	20	15
		0	3	5	11	19	26	23	19	14
		5	3	4	11	17	24	24	18	15
		10	2	4	10	15	23	25	18	15
	900	-10	4	9	15	21	28	24	21	13
		-5	4	9	14	24	29	25	22	17
		0	5	8	14	23	28	26	21	16
		5	5	7	14	21	26	27	20	17
		10	4	7	13	19	25	28	20	17
	1200	-10	6	12	20	27	34	30	24	17
		-5	6	11	19	29	35	31	25	19
		0	6	10	18	30	35	33	24	20
		5	6	8	17	30	34	34	23	21
		10	5	8	16	27	33	34	23	21
	1500	-10	7	14	24	32	40	34	27	18
		-5	7	13	23	34	41	35	28	20
		0	7	12	22	35	41	37	27	21
		5	7	10	21	35	40	38	26	22
		10	6	10	20	32	39	38	26	22
	1800	-10	9	17	28	36	46	38	29	23
		-5	8	16	27	38	45	39	30	24
		0	8	14	26	40	46	41	30	25
		5	7	11	24	41	46	42	29	26
		10	6	11	23	39	45	43	29	26
	2100	-10	10	18	31	37	47	41	33	24
		-5	9	17	30	39	46	42	34	25
		0	9	15	29	41	47	44	34	26
		5	8	12	27	42	47	45	33	27
		10	7	12	26	40	46	46	33	27
	2400	-10	11	20	33	38	48	43	34	25
		-5	10	19	32	40	47	44	35	26
		0	10	17	31	42	48	46	35	27
		5	9	14	29	43	48	47	34	28
		10	8	14	28	41	47	48	34	28
	2700	-10	13	23	37	41	49	47	38	29
		-5	13	23	37	42	49	48	39	30
		0	11	19	34	46	50	50	39	31
		5	9	15	31	49	50	51	39	31
		10	9	14	30	47	50	52	39	32
	3000	-10	14	24	40	45	50	48	43	32
		-5	14	24	40	46	50	49	44	33
		0	12	20	37	50	51	51	44	34
		5	10	16	34	53	51	52	44	34
		10	10	15	33	51	51	53	44	35

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
Velocity M/S	63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 200/100

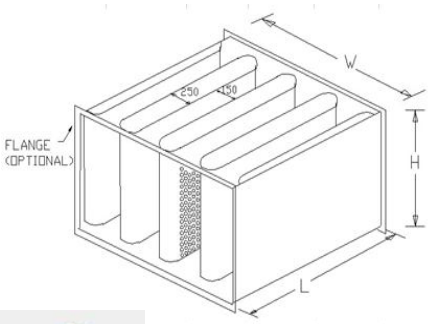
Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-10	2	7	14	20	29	26	22	13
		-5	2	7	13	23	30	27	23	17
		0	3	6	13	22	29	28	22	16
		5	3	5	13	20	27	29	21	17
		10	2	5	12	18	26	30	21	17
	900	-10	5	11	21	23	32	29	24	15
		-5	5	11	20	26	33	30	25	19
		0	6	10	20	25	32	31	24	18
		5	6	9	20	23	30	32	23	19
		10	5	9	19	21	29	33	23	19
	1200	-10	7	14	25	30	38	34	29	20
		-5	7	13	24	32	39	35	30	22
		0	7	12	23	33	39	37	29	23
		5	7	10	22	33	38	38	28	24
		10	6	10	21	30	37	38	28	24
	1500	-10	8	16	29	35	44	41	32	22
		-5	8	15	28	37	45	42	33	24
		0	8	14	27	38	45	44	32	25
		5	8	12	26	38	44	45	31	26
		10	7	12	25	35	43	45	31	26
	1800	-10	10	19	34	41	50	47	37	27
		-5	9	18	33	43	49	48	38	28
		0	9	16	32	45	50	50	38	29
		5	8	13	30	46	50	51	37	30
		10	7	13	29	44	49	52	37	30
	2100	-10	11	20	36	39	51	48	38	30
		-5	10	19	35	41	50	49	39	31
		0	10	17	34	43	51	51	39	32
		5	9	14	32	44	51	52	38	33
		10	8	14	31	42	50	53	38	33
	2400	-10	12	23	40	43	52	49	42	31
		-5	11	22	39	45	51	50	43	32
		0	11	20	38	47	52	52	43	33
		5	10	17	36	48	52	53	42	34
		10	9	17	35	46	51	54	42	34
	2700	-10	14	27	43	45	52	50	45	32
		-5	14	27	43	46	52	51	46	33
		0	12	23	40	50	53	53	46	34
		5	10	19	37	53	53	54	46	34
		10	10	18	36	51	53	55	46	35
	3000	-10	15	30	48	46	53	51	49	36
		-5	15	30	48	47	53	52	50	37
		0	13	26	45	51	54	54	50	38
		5	11	22	42	54	54	55	50	38
		10	11	21	41	52	54	56	50	39

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

	SELF-GENERATED SOUND POWER LEVELS (dB)							
Velocity M/S	63	125	250	500	1K	2K	4K	8K
-10	67	64	63	62	60	64	64	53
-5	55	54	50	47	49	50	39	30
5	51	43	41	36	39	45	33	27
10	68	59	56	53	52	56	58	48

	FACE AREA ADJUSTMENT FACTORS									
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18



PREFCO
JOHNSONTECH AIR CONTROL INC.

RECTANGULAR SILENCER
DISSIPATIVE TYPE
MODEL 200/75

Net Insertion loss ratings

FREQUENCY (HZ)		VELOCITY M/S	INSERTION LOSS (dB) 63	125	250	500	1K	2K	4K	8K
LENGTH(MM)	600	-5	5	10	21	31	37	32	33	24
		-2.5	4	9	20	34	42	36	34	26
		0	4	9	19	31	38	37	33	25
		2.5	3	8	18	27	34	37	32	24
		5	3	6	17	25	31	36	31	26
	900	-5	8	13	26	35	43	38	37	28
		-2.5	7	12	25	38	48	42	38	30
		0	7	12	24	35	44	43	37	29
		2.5	6	11	23	31	40	43	36	28
		5	6	9	22	29	37	42	35	30
	1200	-5	9	14	35	44	48	45	46	34
		-2.5	9	14	34	47	50	48	47	36
		0	8	14	33	45	50	50	47	37
		2.5	7	13	32	42	49	51	47	38
		5	7	12	31	40	44	49	47	39
	1500	-5	10	18	42	48	49	46	49	39
		-2.5	10	18	41	51	51	49	50	41
		0	9	18	40	49	51	51	50	42
		2.5	8	17	39	46	50	52	50	43
		5	8	16	38	44	45	50	50	44
	1800	-5	12	19	47	48	47	46	48	45
		-2.5	11	19	46	51	49	49	49	46
		0	11	19	45	50	51	51	51	48
		2.5	10	18	43	49	52	52	52	49
		5	9	17	42	47	46	50	52	50
	2100	-5	15	25	52	49	49	48	49	47
		-2.5	14	25	51	52	51	51	50	48
		0	14	25	50	51	53	53	52	50
		2.5	13	24	48	50	54	54	53	51
		5	12	23	47	48	48	52	53	52
	2400	-5	17	29	53	50	50	49	50	48
		-2.5	16	29	52	53	52	52	51	49
		0	16	29	51	52	54	54	53	51
		2.5	15	28	49	51	55	55	54	52
		5	14	27	48	49	49	53	54	53
	2700	-5	19	34	53	49	48	50	49	49
		-2.5	18	34	53	51	50	53	50	50
		0	17	34	52	53	55	55	54	52
		2.5	16	34	50	56	60	57	58	53
		5	16	33	48	53	54	55	58	54
	3000	-5	20	37	54	50	49	51	50	50
		-2.5	19	37	54	52	51	54	51	51
		0	18	37	53	54	56	56	55	53
		2.5	17	37	51	57	61	58	59	54
		5	17	36	49	54	55	56	59	55

STATIC PRESSURE DROP = 2.5 x V^2 (PA) V: FACE VELOCITY (M/S)

VELOCITY M/S	SELF-GENERATED SOUND POWER LEVELS (dB) 63	125	250	500	1K	2K	4K	8K
-5	61	48	43	43	46	55	54	42
-2.5	46	36	29	30	38	49	38	20
2.5	39	38	30	29	28	36	26	15
5	64	57	49	44	49	46	39	48

FACE AREA ADJUSTMENT FACTORS										
FACE AREA (M^2)	0.05	0.1	0.2	0.4	0.8	1.5	3	6	10	25
ADJ. FACTOR	-9	-6	-3	0	3	6	9	12	15	18

