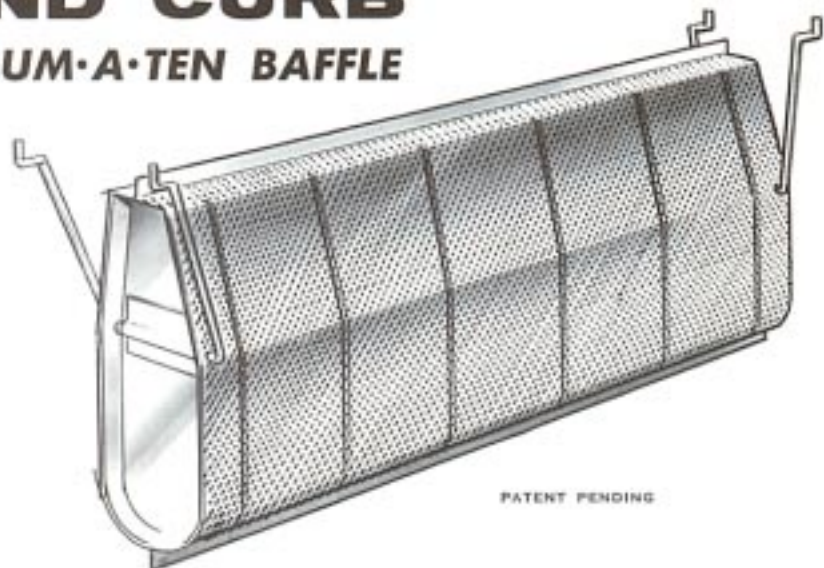


MODEL A·T
SOUND CURB
with ALUM·A·TEN BAFFLE



PATENT PENDING



GREENHECK

P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410
PH. 715-359-6171

MODEL A·T SOUND CURB

with **ALUM·A·TEN BAFFLE**

- **LOW RESISTANCE – 7%**
- **50% REDUCTION OF SOUND**
- **PERMANENTLY CONSTRUCTED BAFFLES**
- **EASY BAFFLE REMOVAL**
- **IMPERVIOUS TO MOISTURE**
- **WILL NOT ERODE**
- **LOW COST INSTALLATION**
- **BUILT IN CANT**
- **WOODEN NAILER STRIP (STANDARD)**



Model A.T. Sound Curbs are designed to reduce fan noise without adversely affecting fan performance.

Exhaust air passes between the streamlined baffles and is carried to the outside with a minimum deposit of dirt. Much of the fan sound is absorbed and dissipated within the curb area and prevented from entering the building.

The permanently constructed baffles are easily removed for access to dampers or for occasional cleaning. No tools are required. Only a slight pressure is required to spread the spring wire holding clip to release it from the channel slot.

BODY CONSTRUCTION

The curb body is constructed of heavy gauge galvanized steel (aluminum optional). All seams are continuous welded. A cant is built into the curb to provide a fillet for roof flashing. Wooden nailer strips are securely attached to the body -- (standard construction) and provides a solid foundation for nailing the flashing material to the curb.

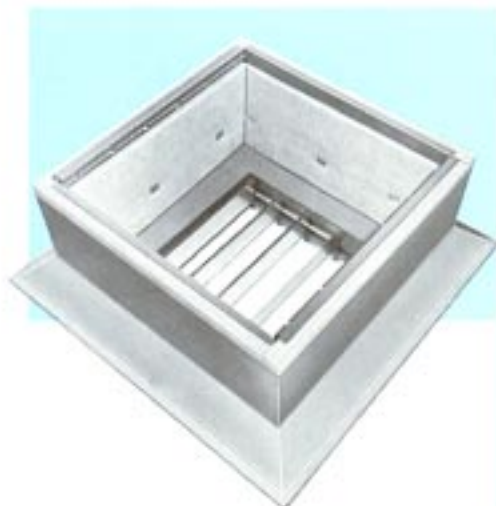
Rigid fiber glass board of six pound density is used for insulation and sound absorption around the interior curb wall.

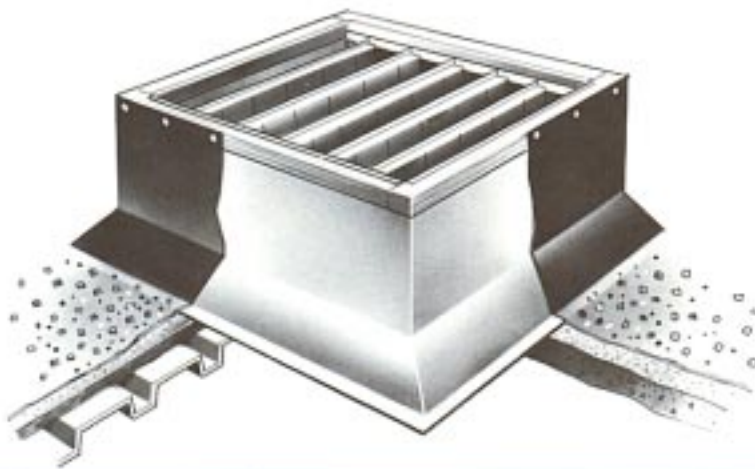
Damper trays are supplied for installation of dampers. Gravity dampers are installed in a four inch deep tray and motorized dampers are provided with an eight inch tray.

BAFFLE CONSTRUCTION

Perforated aluminum sheet is die formed into baffle half-sections. Each section is filled with fiber glass wool and seam together. Spring steel wire holding clips are secured to aluminum baffle ends which act as formers for the baffles.

The resulting assembly is a rigid, durable section which will not warp or twist out of shape.





MODEL A-T-S

SURFACE MOUNTED

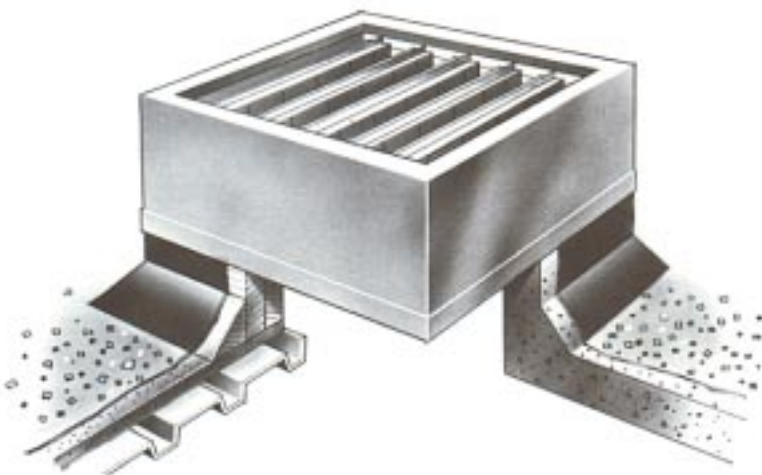
The curb body is mounted completely above the roof level with only the damper tray projecting into the roof opening. This style is recommended when height is not objectionable and smaller roof opening are desired.



MODEL A-T-R

RECESSED MOUNTED

The curb body is recessed into the roof in order to achieve a lower overall height. Roof openings must be as large as the curb body.

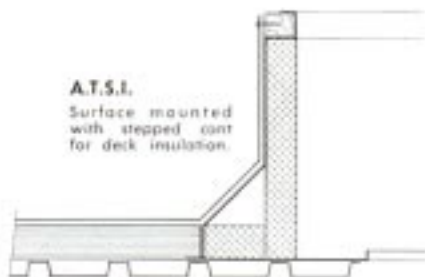


MODEL A-T-E

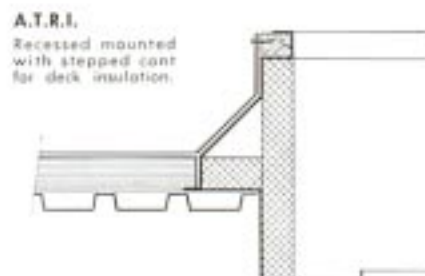
EXTENDED CURB

Existing curb installations or job constructed curbs may be converted into sound attenuating mountings by the use of a Model AT-E (extended base).

OTHER OPTIONAL BODY SHAPES ARE AVAILABLE TO SUIT PARTICULAR ROOFING REQUIREMENTS.



A-T-S.I.
Surface mounted
with stepped cant
for deck insulation.



A-T-R.I.
Recessed mounted
with stepped cant
for deck insulation.

ENGINEERING

The curves below illustrate typical performance of a G fan on a Model A T Curb. These are representative of all sizes.

Only two factors need be used to determine the attenuated fan loudness and fan performance when installed on a Model AT Curb.

50% Reduction in sone value 7% Reduction in CFM.

EXAMPLE:

G-130A

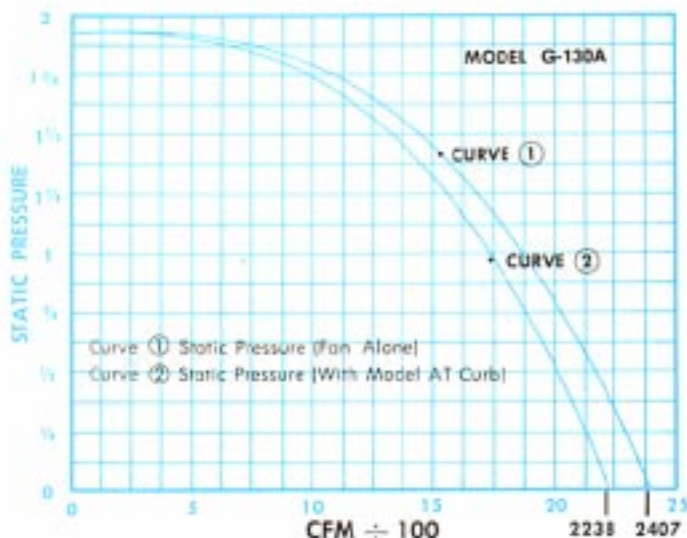
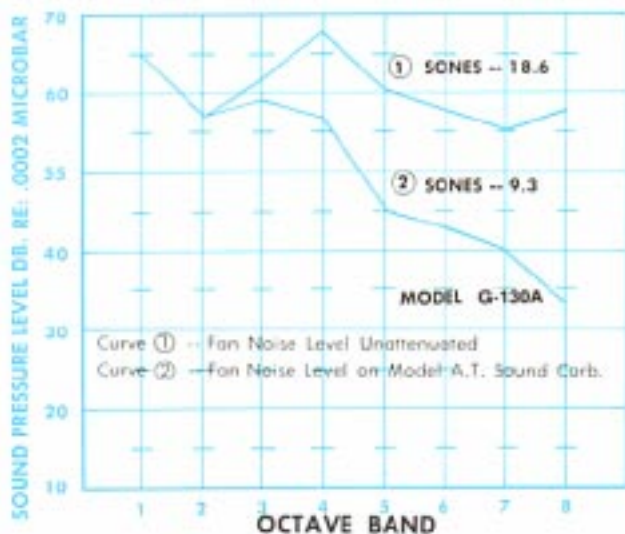
Sones @ 0 Static Pressure = 18.6

Sones on Model AT Curb = $.5 \times 18.6 = 9.3$

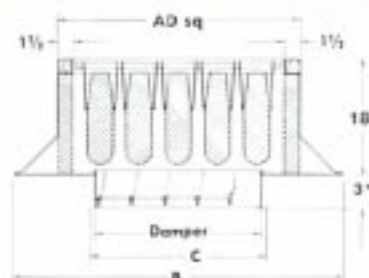
CFM @ 0 Static Pressure = 2407

CFM with Model AT Curb = $.93 \times 2407 = 2238$

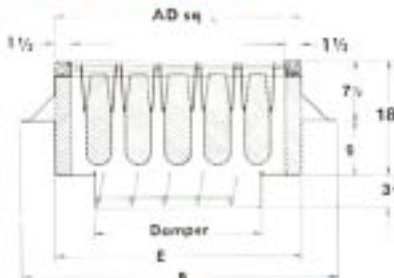
The same procedure may be applied at any static pressure point.



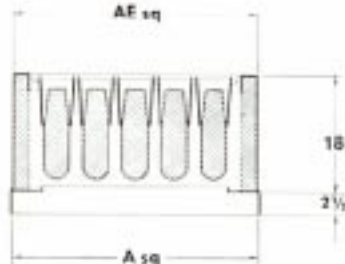
MODEL A-T DIMENSIONAL DATA



MODEL AT5 (Surface Mounted)



MODEL ATR (Recessed Mounted)



MODEL ATE (Extended Base)

MODELS ATS-ATR-ATE CURB NO.	MODEL TYPE AND SIZE						A CURB CAP	AD	AE	B	C ROOF OPENING	E ROOF OPENING	DAMPER SIZE	STEEL GA.	ALUM. GA.
	G	GB	LD, LDP	LB, LBP	CUE CUBE-HP	CUBE									
17-8	60, 65 70, 75		60, 65 70, 75				17	15 1/2	16 1/2	23 1/2	10 1/2 x 10 1/2	16 1/2	8	18	.064
18-10							18	16 1/2	17 1/2	24 1/2	12 1/2 x 12 1/2	17 1/2	10	18	.064
19-10	80, 85 90, 95	70, 80 90	80, 85 90, 95				19	17 1/2	18 1/2	25 1/2	12 1/2 x 12 1/2	18 1/2	10	18	.064
20-12							20	18 1/2	19 1/2	26 1/2	14 1/2 x 14 1/2	19 1/2	12	18	.064
21-12	180, 120	100, 120 130	100, 200		10	95, 100 120, 130	22	20 1/2	21 1/2	28 1/2	14 1/2 x 14 1/2	21 1/2	12	18	.064
22-14							22	20 1/2	21 1/2	28 1/2	16 1/2 x 16 1/2	21 1/2	14	18	.064
25-16	130, 140 150	140, 160		14	14	140, 160	26	24 1/2	25 1/2	32 1/2	18 1/2 x 18 1/2	25 1/2	16	18	.064
26 1/2-16							26 1/2	25	26 1/2	33 1/2	18 1/2 x 18 1/2	26	16	18	.064
33-18	160, 170 180	180, 200		18, 21	18	180, 200	30	28 1/2	29 1/2	36 1/2	20 1/2 x 20 1/2	29 1/2	18	18	.064
33-20							30	28 1/2	29 1/2	36 1/2	22 1/2 x 22 1/2	29 1/2	20	18	.064
31-22							31	29 1/2	30 1/2	37 1/2	24 1/2 x 24 1/2	30 1/2	22	18	.064
34-24		220, 240		24		220, 240	34	32 1/2	33 1/2	40 1/2	26 1/2 x 26 1/2	33 1/2	24	18	.064
35-26							36	34 1/2	35 1/2	42 1/2	28 1/2 x 28 1/2	35 1/2	26	18	.064
43-30		260, 300		30		300	40	38 1/2	39 1/2	46 1/2	32 1/2 x 32 1/2	39 1/2	30	18	.064
49-36		360		36		360	46	44 1/2	45 1/2	52 1/2	38 1/2 x 38 1/2	45 1/2	36	18	.064
52-42		420					52	50 1/2	51 1/2	58 1/2	44 1/2 x 44 1/2	51 1/2	42	16	.080
53-48		480		48		480	58	56 1/2	57 1/2	64 1/2	50 1/2 x 50 1/2	57 1/2	48	16	.080
64-54		540		54			64	62 1/2	63 1/2	70 1/2	56 1/2 x 56 1/2	63 1/2	54	16	.080

*This dimension will be 8" when a motorized damper is used.
**Dimension "A" is also the same as ventilator curb size.

†Curb Model Number: First number is Nominal curb dimension.
Second Number is Nominal damper dimension. Example: ATS-17-8 surface mount, 15 1/2" curb dimension, 8 inch damper dimension.