

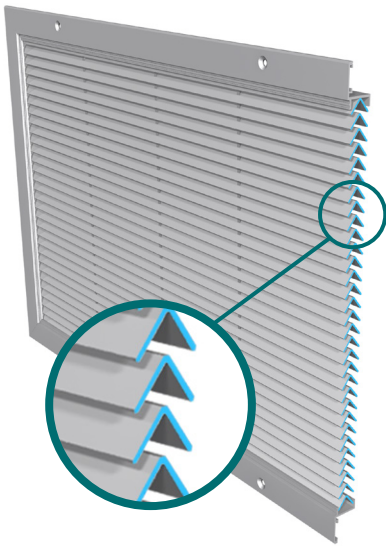
STG/ATG

TRANSFER GRILLE



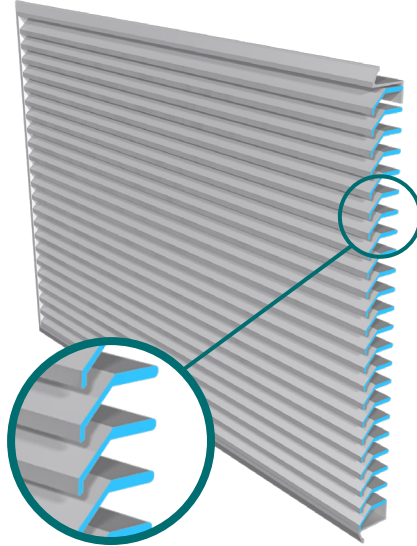
STG/ATG Transfer Grille

Transfer Grilles offer the largest free area possible with the option of a sight-proof or light-proof core. Transfer grilles are designed for use in doors and partitions to allow for smooth transfer of air between spaces. Such spaces include storage rooms and restrooms.



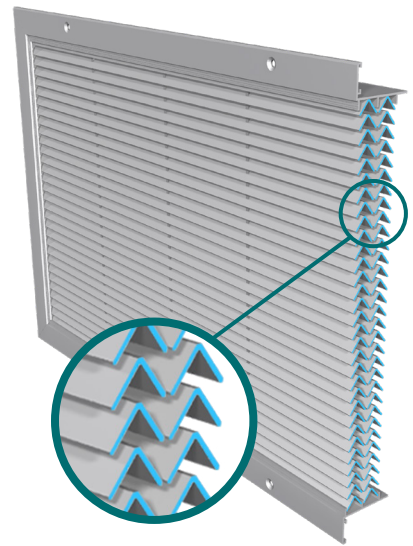
Sight-Proof (ATG1)

- + Finely spaced, chevron style blades provide an attractive sight-proof appearance. These grilles are compatible with doors or partitions as thin as 1 3/8 in.



Heavy Duty Sight-Proof (ATGH)

- + Featuring heavy gauge, extruded aluminum, mandrel tube construction and angled louvered blades, heavy duty transfer grilles are well suited to industrial, or other severe use applications.



Light-Proof (ATG2)

- + Ideal for rooms that must be kept light-proof, such as darkrooms, these grilles feature a double chevron blade and are finished in flat black to prevent light from entering the space.

CONSTRUCTION

- + Application
 - Sight-proof (ATG1/ATGH/STG1)
 - Light-proof (ATG2)
- + Material
 - Aluminum (ATG1/ATG2)
 - Heavy duty aluminum (ATGH)
 - Heavy duty steel (STG)
- + Maximum size (one piece construction)
 - 32 in. x 36 in. aluminum
 - 48 in. x 30 in. heavy duty aluminum
 - 48 in. x 36 in. steel

PERFORMANCE DATA

STG

Core Area (sq. ft.)	Nominal Size		Core Velocity (fpm)							
			100	150	200	250	300	350	400	
			0.0006	0.001	0.002	0.004	0.006	0.008	0.010	
			Neg. Static Pressure (in. w.g.)							
			0.011	0.026	0.046	0.073	0.104	0.141	0.186	
0.25	10 x 4	7 x 6	Flow Rate (cfm)	25	38	50	63	75	88	100
	8 x 5		Sound (NC)	-	-	-	-	16	20	24
0.50	24 x 4	16 x 6	Flow Rate (cfm)	50	75	100	125	150	175	200
	18 x 5		Sound (NC)	-	-	-	20	26	29	32
0.75	32 x 4	20 x 6	Flow Rate (cfm)	75	113	150	188	225	263	300
	26 x 5	16 x 8	Sound (NC)	-	-	19	25	30	34	37
1.00	28 x 6	16 x 10	Flow Rate (cfm)	100	150	200	250	300	350	400
	20 x 8	14 x 12	Sound (NC)	-	15	23	29	33	37	41
1.50	30 x 8	20 x 12	Flow Rate (cfm)	150	225	300	375	450	525	600
	24 x 10	16 x 14	Sound (NC)	-	20	28	33	38	42	45
2.00	40 x 8	26 x 12	Flow Rate (cfm)	200	300	400	500	600	700	800
	32 x 10	22 x 14	Sound (NC)	-	24	31	37	42	46	49
2.50	40 x 10	28 x 14	Flow Rate (cfm)	250	375	500	625	750	875	1000
	32 x 12	24 x 16	Sound (NC)	16	27	34	40	44	48	52
3.00	40 x 12	30 x 16	Flow Rate (cfm)	300	450	600	750	900	1050	1200
	34 x 14	26 x 18	Sound (NC)	18	29	36	42	47	50	54
3.50	38 x 14	30 x 18	Flow Rate (cfm)	350	525	700	875	1050	1225	1400
	34 x 16	28 x 20	Sound (NC)	20	31	38	44	48	52	56
4.00	38 x 16	32 x 20	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600
	34 x 18	28 x 22	Sound (NC)	22	32	40	45	50	54	57
4.50	38 x 18	32 x 22	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800
	34 x 20	28 x 24	Sound (NC)	23	34	41	47	51	55	59
5.00	38 x 20	32 x 24	Flow Rate (cfm)	500	750	1000	1250	1500	1750	2000
	34 x 22	30 x 26	Sound (NC)	25	35	42	48	53	57	60

Performance Notes:

1. Tested in accordance with ASHRAE Standard 70-2006 "Method of Testing for Rating the Performance of Air Outlets and Inlets."
2. Air flow is in cfm.
3. All pressures are in in. w.g.
s.p. = Static Pressure
4. NC values are based on room absorption of 10 dB, re 10⁻¹² watts.
5. Blanks "-" indicate an NC level below 15.

PERFORMANCE DATA

ATG1/ATG2

Core Area (sq. ft.)	Nominal Size		Core Velocity (fpm)	100	150	200	250	300	350	400
			Velocity Pressure (in. w.g.)	0.0006	0.001	0.002	0.004	0.006	0.008	0.010
			Neg. Static Pressure (in. w.g.)	0.012	0.019	0.048	0.075	0.108	0.147	0.193
0.25	10 x 4 8 x 5	7 x 6	Flow Rate (cfm)	25	38	50	63	75	88	100
			Sound (NC)	-	17	23	28	32	35	38
0.50	24 x 4 18 x 5	16 x 6	Flow Rate (cfm)	50	75	100	125	150	175	200
			Sound (NC)	-	20	27	32	36	39	42
0.75	32 x 4 26 x 5	20 x 6 16 x 8	Flow Rate (cfm)	75	113	150	188	225	263	300
			Sound (NC)	-	23	29	34	38	41	44
1.00	28 x 6 20 x 8	16 x 10 14 x 12	Flow Rate (cfm)	100	150	200	250	300	350	400
			Sound (NC)	15	24	30	35	39	43	46
1.50	30 x 8 24 x 10	20 x 12 16 x 14	Flow Rate (cfm)	150	225	300	375	450	525	600
			Sound (NC)	17	26	32	37	41	45	48
2.00	40 x 8 32 x 10	26 x 12 22 x 14	Flow Rate (cfm)	200	300	400	500	600	700	800
			Sound (NC)	19	28	34	39	43	46	49
2.50	40 x 10 32 x 12	28 x 14 24 x 16	Flow Rate (cfm)	250	375	500	625	750	875	1000
			Sound (NC)	20	29	35	40	44	47	50
3.00	40 x 12 34 x 14	30 x 16 26 x 18	Flow Rate (cfm)	300	450	600	750	900	1050	1200
			Sound (NC)	21	30	36	41	45	48	51
3.50	38 x 14 34 x 16	30 x 18 28 x 20	Flow Rate (cfm)	350	525	700	875	1050	1225	1400
			Sound (NC)	22	31	37	42	46	49	52
4.00	38 x 16 34 x 18	32 x 20 28 x 22	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600
			Sound (NC)	22	31	38	43	47	50	53
4.50	38 x 18 34 x 20	32 x 22 28 x 24	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800
			Sound (NC)	23	32	38	43	47	51	54
5.00	38 x 20 34 x 22	32 x 24 30 x 26	Flow Rate (cfm)	500	750	1000	1250	1500	1750	2000
			Sound (NC)	23	32	39	44	48	51	54

ATGH

Core Area sq. ft.	Nominal Size		Core Velocity (fpm)	100	150	200	250	300	350	400
			Velocity Pressure (in. w.g.)	0.0006	0.001	0.002	0.004	0.006	0.008	0.010
			Neg. Static Pressure (in. w.g.)	0.01	0.022	0.039	0.06	0.087	0.118	0.155
0.25	10 x 4 8 x 5	7 x 6	Flow Rate (cfm)	25	38	50	63	75	88	100
			Sound (NC)	-	-	-	17	22	25	29
0.50	20 x 4 16 x 5	14 x 6	Flow Rate (cfm)	50	75	100	125	150	175	200
			Sound (NC)	-	-	-	19	23	27	31
0.75	30 x 4 24 x 5	20 x 6 14 x 8	Flow Rate (cfm)	75	113	150	188	225	263	300
			Sound (NC)	-	-	-	20	24	29	32
1.00	26 x 6 20 x 8	16 x 10 16 x 14	Flow Rate (cfm)	100	150	200	250	300	350	400
			Sound (NC)	-	-	15	21	25	29	33
1.50	28 x 8 22 x 10	20 x 12 16 x 14	Flow Rate (cfm)	150	225	300	375	450	525	600
			Sound (NC)	-	-	16	22	26	30	34
2.00	30 x 10 26 x 12	20 x 14 18 x 16	Flow Rate (cfm)	200	300	400	500	600	700	800
			Sound (NC)	-	-	17	23	28	31	34
2.50	30 x 12 26 x 14	24 x 16 20 x 18	Flow Rate (cfm)	250	375	500	625	750	875	1000
			Sound (NC)	-	-	17	22	27	31	35
3.00	38 x 12 32 x 14	28 x 16 26 x 18	Flow Rate (cfm)	300	450	600	750	900	1050	1200
			Sound (NC)	-	-	18	23	28	32	35
3.50	38 x 14 34 x 16	30 x 18 26 x 20	Flow Rate (cfm)	350	525	700	875	1050	1225	1400
			Sound (NC)	-	-	18	24	28	32	36
4.00	38 x 16 34 x 18	30 x 20 28 x 22	Flow Rate (cfm)	400	600	800	1000	1200	1400	1600
			Sound (NC)	-	-	18	24	29	33	36
4.50	38 x 18 34 x 20	30 x 22 28 x 24	Flow Rate (cfm)	450	675	900	1125	1350	1575	1800
			Sound (NC)	-	-	19	24	29	33	36
5.00	38 x 20 34 x 22	32 x 24 30 x 26	Flow Rate (cfm)	500	750	1000	1250	1500	1750	2000
			Sound (NC)	-	-	19	25	29	33	37

Performance Notes:

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2. Air flow is in cfm.
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s.p. = Static Pressure
4. NC values are based on room absorption of 10 dB, re 10⁻¹² watts.
5. Blanks "-" indicate an NC level below 15.
6. *Negative s.p. for Series ATG2 is two times the value shown above for Series ATG 1.



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