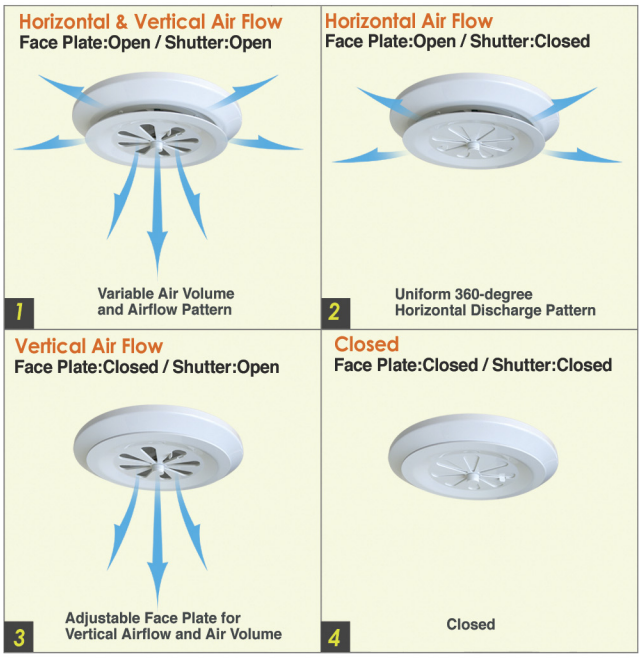
Model: **TX**

Model: **TX-P**
Ceiling MINI Diffuser Panel

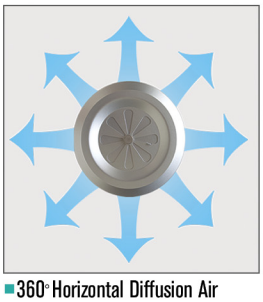
The MINI Ceiling Diffuser is equipped with an innovative vertical air discharge shutter. Combined with horizontal air flow control center plate, the model TX allows the user to achieve variable air flow patterns. Stylish low silhouette, unobtrusive profile with high quality aluminum construction, make the versatile TX and TX-P MINI Diffusers an excellent choice for many residential or light commercial applications.

MATERIAL	FINISH
• Aluminum	• White Painted or Clear Anodized • Custom Colors Available

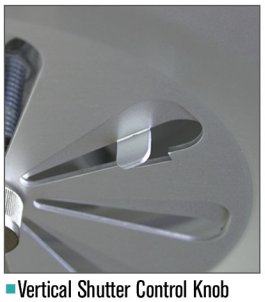
VARIABLE AIR FLOW PATTERN



■Adjustable Vertical Air Flow Exit Shutter



■360° Horizontal Diffusion Air Pattern



■Vertical Shutter Control Knob

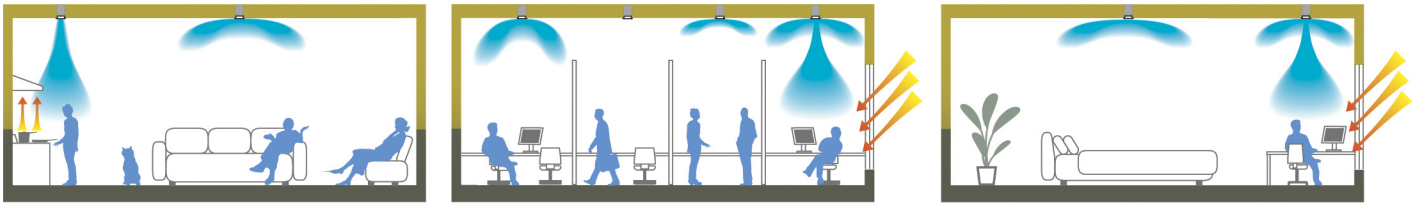
■Low Silhouette, Unobtrusive Profile

■Available for Standard Duct Sizes

Residential Ceiling MINI Diffusers
for Horizontal and Vertical Air Flow

Model: **TX & TX-P**

APPLICATIONS



The model TX MINI Diffuser is an ideal product for residential HVAC solution, however, because of its versatility, the TX will also fit perfectly for many other applications such as hospitals, hotels, schools, offices, retail stores and etc.

FINISH

The Seiho TX MINI Diffusers can be custom color matched to enhance the total decor of your room. Can match almost any color sample provided. Please contact our sales department for assistance and detailed ordering information.

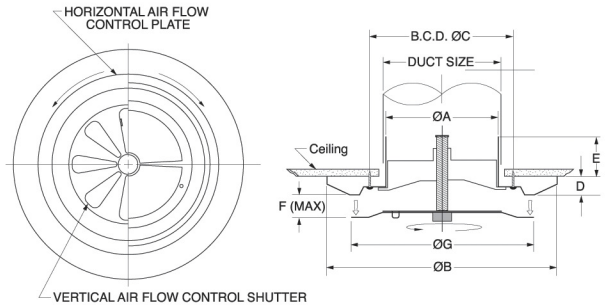
MODEL TX SMOKE PATTERN TEST

■Vertical Air Flow

■Horizontal Air Flow

■Vertical and Horizontal Air Flow

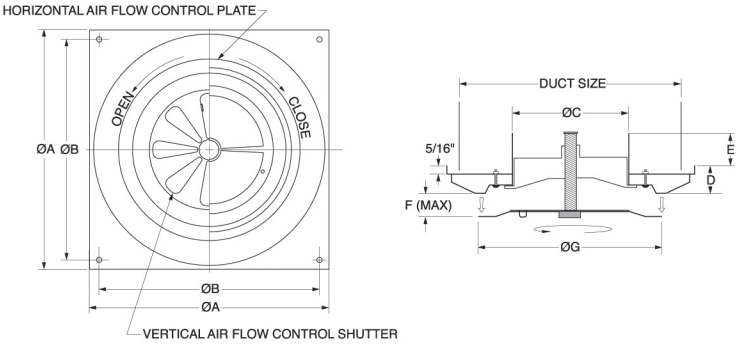
MODEL TX DIMENSIONS



MODEL	DUCT SIZE	A	B	C	D	E	F	G
TX 4	4	3 3/4	7 3/4	4 27/32	5/8	1 17/32	1 5/8	6 3/16
TX 6	6	5 27/32	11	7	7/8	1 29/32	1 5/8	8 31/32
TX 8	8	7 11/16	13 1/4	9 3/16	7/8	1 9/16	1 7/8	11 1/4

Product information is subject to change without notice. All dimensions in inches.

MODEL TX-P DIMENSIONS



MODEL	DUCTSIZE		A	B	C	D	E	F	G
	SQUARE W x H	ROUND(Ø) INCHES							
TX 4P	6x6	4	8	7	3 3/4	15/16	1 17/32	1 5/8	6 3/16
TX 6P	10x10	6	12	11	5 27/32	1 3/16	1 19/32	1 5/8	8 31/32
TX 8P	12x12	8	14	13	7 11/16	1 3/16	1 1/4	1 7/8	11 1/4

Product information is subject to change without notice. All dimensions in inches.

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	16	24	31	39	47	55	63	71	78	94
4	0.080 sq.ft.	Combination Air Pattern	Fully Opened	Fully Opened	SP(in., wg)	0.004	0.007	0.011	0.017	0.025	0.035	0.05	0.064	0.081	0.122
					Radius of Diffusion(Vt=@100fpm)	0.3	0.5	0.8	1.0	1.2	1.5	1.6	1.8	2.0	2.3
					Radius of Diffusion(Vt=@50fpm)	0.7	1.0	1.3	1.6	2.0	2.5	2.6	3.0	3.3	3.9
					Throw (Vt.=@100fpm)	1.2	1.6	2.1	2.6	3.1	3.6	4.3	4.6	4.9	5.9
					Throw (Vt.=@50fpm)	2.0	3.0	3.9	4.6	5.6	6.2	7.5	8.2	8.9	10.5
					NC	-	-	-	-	-	-	16	20	23	29
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP(in., wg)	0.005	0.008	0.015	0.026	0.039	0.056	0.078	0.1	0.124	1.178
					Radius of Diffusion(Vt=@100fpm)	0.3	0.5	0.7	0.8	1.0	1.3	1.5	1.6	1.8	2.1
					Radius of Diffusion(Vt=@50fpm)	0.7	2.0	1.2	1.3	1.6	2.0	2.5	2.6	3.0	3.6
					Throw (Vt.=@100fpm)	1.8	2.6	3.3	4.3	4.9	5.6	6.2	6.9	7.5	9.2
					Throw (Vt.=@50fpm)	3.3	4.6	5.9	7.2	8.5	9.8	11.2	12.1	13.5	16.4
					NC	-	-	-	-	-	16	21	24	28	33
		Radial Air Pattern	Fully Opened	Closed	SP(in., wg)	0.006	0.011	0.019	0.030	0.042	0.057	0.077	0.098	0.12	0.178
					Radius of Diffusion(Vt=@100fpm)	0.6	0.7	1.0	1.3	1.5	1.8	2.1	2.3	2.6	3.3
					Radius of Diffusion(Vt=@50fpm)	1.0	1.2	1.6	2.0	2.5	3.0	3.6	3.9	4.3	5.3
					NC	-	-	-	-	-	-	15	19	22	29
		Vertical Air Pattern	Closed	Fully Opened	SP(in., wg)	0.037	0.086	0.154	0.242	0.35	0.468	0.616	0.768	0.932	1.32
					Throw (Vt.=@100fpm)	5.9	8.2	9.8	11.8	13.8	15.4	17.1	18.4	20.7	23.6
					Throw (Vt.=@50fpm)	10.5	14.4	17.7	21.0	24.3	27.2	30.2	32.8	36.7	42.0
					NC	-	-	20	27	33	36	39	41	44	48

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	36	54	72	90	108	126	144	162	180	216
6	0.183 sq.ft.	Combination Air Pattern	Fully Opened	Fully Opened	SP(in., wg)	0.004	0.007	0.012	0.02	0.031	0.044	0.06	0.077	0.098	0.14
					Radius of Diffusion(Vt=@100fpm)	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0	3.3	3.9
					Radius of Diffusion(Vt=@50fpm)	1.1	1.6	2.1	2.6	3.3	3.6	4.3	4.9	5.2	6.2
					Throw (Vt.=@100fpm)	2.6	3.6	4.6	5.9	6.9	7.9	9.2	10.2	11.2	13.1
					Throw (Vt.=@50fpm)	4.6	6.2	8.2	10.5	12.5	14.1	16.4	18.0	20.0	23.6
					NC	-	-	-	-	-	-	19	23	26	32
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP(in., wg)	0.005	0.01	0.018	0.031	0.049	0.07	0.097	0.124	0.154	0.222
					Radius of Diffusion(Vt=@100fpm)	0.5	0.8	1.1	1.5	1.6	2.0	2.3	2.5	2.8	3.3
					Radius of Diffusion(Vt=@50fpm)	1.0	1.3	1.8	2.3	2.6	3.3	3.6	3.9	4.6	5.2
					Throw (Vt.=@100fpm)	3.3	4.9	5.9	7.9	9.2	10.5	12.1	13.4	14.4	17.1
					Throw (Vt.=@50fpm)	5.9	8.5	10.5	13.8	16.4	18.7	21.6	23.6	25.6	30.5
					NC	-	-	-	-	16	21	26	29	32	38
		Radial Air Pattern	Fully Opened	Closed	SP(in., wg)	0.006	0.013	0.024	0.039	0.058	0.082	0.11	0.136	0.166	0.242
					Radius of Diffusion(Vt=@100fpm)	1.0	1.5	2.0	2.5	3.0	3.6	3.9	4.6	4.9	5.9
					Radius of Diffusion(Vt=@50fpm)	1.6	2.5	3.3	3.9	4.9	5.6	6.2	7.2	7.9	9.5
					NC	-	-	-	-	-	-	19	23	27	34
		Vertical Air Pattern	Closed	Fully Opened	SP(in., wg)	0.028	0.068	0.128	0.202	0.294	0.408	0.528	0.668	0.82	0.172
					Throw (Vt.=@100fpm)	8.5	12.0	15.8	19.6	22.9	25.5	28.5	32.8	36.7	42.6
					Throw (Vt.=@50fpm)	15.4	21.0	27.6	35.0	41.0	45.9	51.0	58.0	65.6	75.0
					NC	-	-	19	26	31	34	38	41	43	48

SIZE	Neck Area	Air Pattern	Face Plate	V.Shutter	Neck Velocity (fpm)	200	300	400	500	600	700	800	900	1000	1200
					Airflow (CFM)	64	54	129	162	194	227	259	291	324	388
8	0.328 sq.ft.	Combination Air Pattern	Fully Opened	Fully Opened	SP(in., wg)	0.005	0.011	0.02	0.03	0.046	0.064	0.086	0.11	0.136	0.196
					Radius of Diffusion(Vt=@100fpm)	1.2	1.0	1.8	2.1	2.6	3.0	3.3	3.6	3.9	4.6
					Radius of Diffusion(Vt=@50fpm)	2.0	1.6	3.0	3.6	4.3	4.9	5.3	5.9	6.2	7.2
					Throw (Vt.=@100fpm)	3.3	3.6	5.6	6.9	8.2	9.5	10.5	11.8	12.5	14.8
					Throw (Vt.=@50fpm)	5.6	6.2	9.8	12.5	14.8	16.4	18.4	20.7	22.3	26.2
					NC	-	-	-	-	-	16	20	24	27	33
		Combination Air Pattern	A Half Way Opened	Fully Opened	SP(in., wg)	0.008	0.016	0.030	0.048	0.074	0.106	0.138	0.176	0.216	0.316
					Radius of Diffusion(Vt=@100fpm)	0.8	0.8	1.5	1.8	2.1	2.5	2.6	3.0	3.3	3.6
					Radius of Diffusion(Vt=@50fpm)	1.5	1.3	2.5	3.0	3.6	3.9	4.3	4.9	5.3	5.9
					Throw (Vt.=@100fpm)	4.3	4.9	8.2	10.5	12.5	14.4	16.4	18.7	20.7	24.6
					Throw (Vt.=@50fpm)	7.9	8.5	14.8	18.4	22.3	25.6	29.5	32.8	36.7	44.3
					NC	-	-	-	-	19	25	31	36	37	41
		Radial Air Pattern	Fully Opened	Closed	SP(in., wg)	0.009	0.022	0.043	0.068	0.102	0.138	0.18	0.228	0.286	0.432
					Radius of Diffusion(Vt=@100fpm)	2.0	1.5	3.3	4.3	4.9	5.6	5.9	6.6	7.2	8.5
					Radius of Diffusion(Vt=@50fpm)	3.3	2.5	5.3	6.6	7.5	8.5	9.5	10.2	11.2	13.1
					NC	-	-	-	-	18	23	28	32	36	42
		Vertical Air Pattern	Closed	Fully Opened	SP(in., wg)	0.036	0.087	0.158	0.246	0.36	0.512	0.668	0.82	1	1.44
					Throw (Vt.=@100fpm)	15.1	12.0	21.3	24.6	27.6	29.9	34.8	34.8	36.7	41.0
					Throw (Vt.=@50fpm)	26.6	21.0	37.7	44.3	49.2	53.1	57.4	61.7	65.6	72.2
					NC	-	-	21	30	36	35	38	42	44	49

DASHED LINE IN NC BOX INDICATES NOISE LEVEL IS LESS THAN 20.
NC LEVEL IS BASED ON 10dB ROOM ATXENUATION(PWL RE:10-12 WATXS) WITH ONE DIFFUSER OPERATING.