

**MODEL**

- TAD - Radial face critical room supply diffuser; aluminum construction
- TADSS - Radial face critical room supply diffuser; stainless steel construction

**FEATURES**

- Air Patterns: 90° (1-way) or 180° (2-way)
- High volume, draft free
- Excellent choice for clean air environment applications
- Aluminum construction

**PANEL SIZES**

- 24"x24"
- 48"x12"<sup>1</sup>
- 48"x24"

**COMPATIBLE OPTIONS AND ACCESSORIES**

- Surface mounting frames
- Stainless steel construction
- TADBACKPAN - Backpan for models TAD and TADSS series of radial face critical room supply diffusers; available in aluminum, stainless steel, or cold rolled steel construction (ordered separately)

## NOTES:

- <sup>1</sup> Only available with 1-way discharge air pattern.



CRITICAL ENVIRONMENT

TAD / TADSS

**WEB SEARCH:** TAD or TADSS

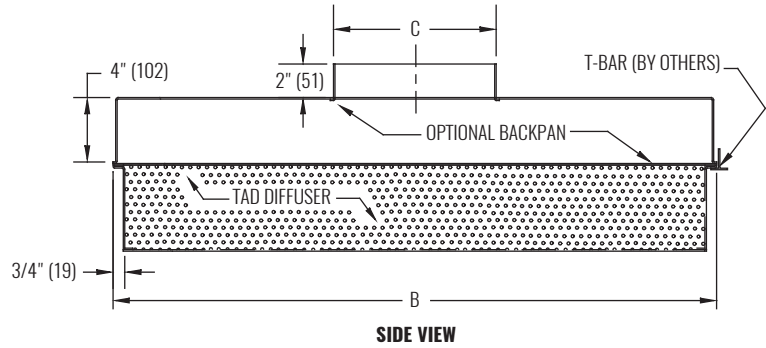
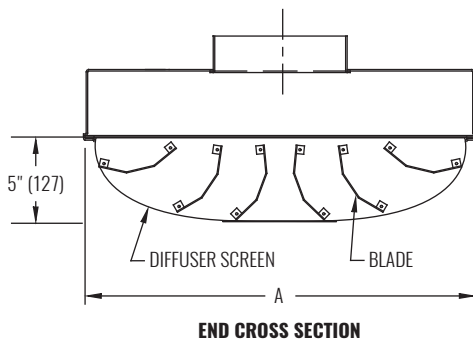
# TAD / TADSS

Critical Room, Radial Flow Diffuser



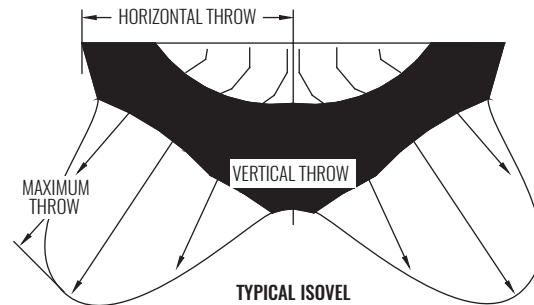
CRITICAL ENVIRONMENT

## DIMENSIONAL DATA



DIMENSIONS - 2-WAY UNITS (180° AIR PATTERN)			
PANEL SIZE	A	B	C
24" x 24" (610 x 610)	23 3/4" (603)	23 3/4" (603)	7 7/8" (200)
24" x 48" (610 x 1219)	23 3/4" (603)	47 3/4" (1213)	11 7/8" (302)
24" x 48" (610 x 1219)	23 3/4" (603)	47 3/4" (1213)	11 7/8" (302)

NOTES: Dimensions in parentheses are millimeters (mm). 180°, 2-way throw shown; 90°, 1-way throw is available. To allow for cleaning, optional backpan requires 1 3/4" (44) clearance to remove. (Based on T-bar height of 1 1/8" (29)) Perforated Face: .094" (2) diameter holes 13% open area. Backpan Screen: .040" (1) diameter holes 43% open area.



NOTES: Test cell dimensions 12'x12'x9'. Tested with optional backpan.

TAD / TADSS

## PERFORMANCE DATA

PATTERN AND SIZE			PERFORMANCE											
THROW PATTERN	PANEL SIZE		INLET DIA.	NECK VEL	AIR FLOW	Pt	Ps	ΔT	THROW, ft @ FPM					NC
	W	L							HORIZONTAL		MAX	VERTICAL		
	in.	in.							100	50	50	100	50	
90°	24"	48"	12"	1019	800	0.177	0.11	-5	5	6	12	7	-	26
	24"	48"	12"	1019	800	0.177	0.11	-15	4	5	11	8	-	26
	24"	24"	8"	1147	400	0.210	0.13	-5	5	8	12	6	9	18
	24"	24"	8"	1147	400	0.210	0.13	-15	4	6	9	7	-	18
	12"	48"	8"	1147	400	0.229	0.15	-5	3	4	9	3	4	26
	12"	48"	8"	1147	400	0.229	0.15	-15	2	4	8	4	7	26
180°	24"	48"	12"	1019	800	0.167	0.10	-5	3	4	10	3	5	29
	24"	48"	12"	1019	800	0.167	0.10	-15	2	4	8	4	8	29
	24"	24"	8"	1147	400	0.197	0.12	-5	3	4	9	4	7	21
	24"	24"	8"	1147	400	0.197	0.12	-15	2	3	8	8	-	21

NOTES: Information shown is abbreviated. See Krueger website for complete information. Throw values are given for isothermal conditions and terminal velocities of 100 and 50 FPM (0.50 and 0.25 m/s). NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10<sup>-12</sup> Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.

© Copyright Krueger 2018