

MODEL

- 5000 - Laminar flow panel

FEATURES

- Low velocity, non-aspirating
- Aluminum, stainless steel, or cold rolled steel construction
- Quick opening (1/4 turn) fasteners permit complete removal of the face
- Safety cables (2) prevent accidental dropping of face
- Multiple perforated face panels included for large sizes
- Button plug on perforated face is removable for adjustment of neck mounted damper
- Ideal for use in restricted budget surgery areas, pharmaceutical manufacturing, industrial, electronic, aerospace, and other clean room applications

INLET SIZES

- Round: 6" - 12" (2" increments)

FRAME STYLES

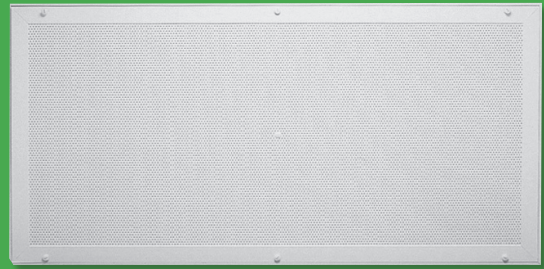
- F22 - Surface mount
- F23 - Lay-in T-bar

PANEL SIZES

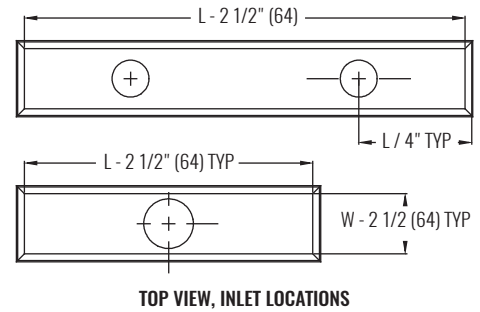
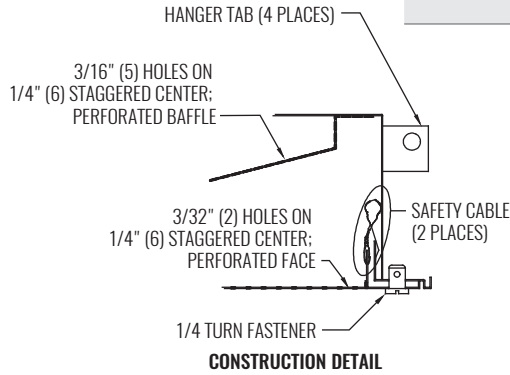
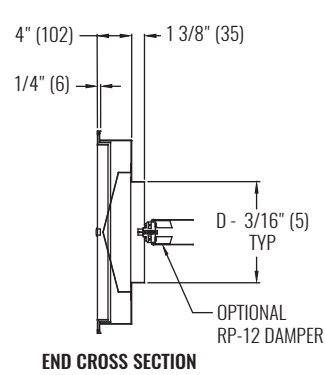
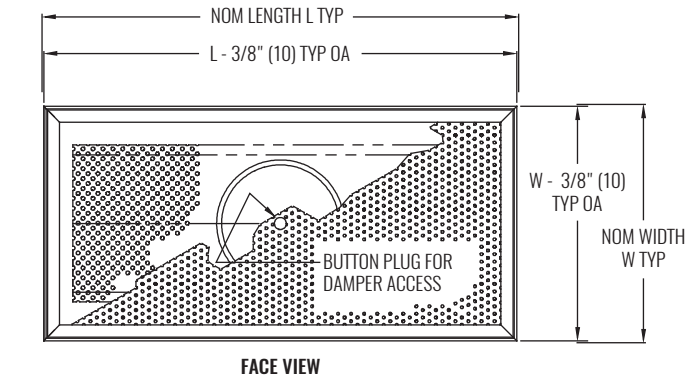
- 24"x24"
- 36"x24"
- 48"x12"
- 48"x24"
- 48"x36"
- 60"x12"
- 60"x24"
- 60"x36"
- 72"x12"
- 72"x24"
- 72"x36"

COMPATIBLE OPTIONS AND ACCESSORIES

- Volume dampers
- Integral T5 lights
- External insulation
- PR10 - Steel, radial opposed blade damper
- PRN100 - Steel, radial fan damper
- RP12 - Steel, butterfly bladed damper
- PRD10 - Steel, radial opposed blade damper (duct mount)
- PRD100 - Steel, radial fan damper (duct mount)
- PR12 - Steel, butterfly bladed damper (duct mount)
- RSG15 - Steel, round straightening grid (duct mount)
- PRSG15 - Steel, round straightening grid



DIMENSIONAL DATA



DIMENSIONS			
NOMINAL UNIT SIZE		NOMINAL INLET SIZE	
W	L	D	QTY
12" (305)	48" (1219)	6" (152) or 8" (203)	1
	60" (1524)		1
	72" (1828)		2
24" (610)	24" (610)	6" (152), 8" (203), 10" (254), or 12" (305)	1
	36" (914)		1
	48" (1219)		1
	60" (1524)		1
	72" (1828)		2
36" (914)	48" (1219)	8" (203), 10" (254), or 12" (305)	1
	60" (1524)		2
	72" (1828)		2

NOTES: Dimensions in parentheses are millimeters (mm). Dimensional data shown is for a 48"x24" panel. See Krueger's website for additional panel sizes.

PERFORMANCE DATA

SIZE	PERFORMANCE						
	FLOW RATE	Ps	VELOCITY @ 6' BELOW PANEL				NC
			5° FΔT	10° FΔT	15° FΔT	20° FΔT	
CFM/ft ²	"WG	FPM	FPM	FPM	FPM		
SINGLE PANEL	10	0.008	20	25	30	35	<20
	20	0.032	35	40	45	55	<20
	30	0.072	50	60	70	80	21
	40	0.128	65	80	95	105	25
15-30 ft ²	10	0.008	20	30	30	35	<20
	20	0.032	35	45	50	60	22
	30	0.072	50	65	80	90	26
	40	0.128	70	90	105	-	30
Over 30 ft ²	10	0.008	25	30	35	40	21
	20	0.032	40	50	60	65	25
	30	0.072	60	75	90	100	29
	40	0.128	80	100	N/A	N/A	33

NOTES: Information shown is abbreviated. See Krueger website for complete information. NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.

NC CORRECTIONS									
ft ² OF PANELS	4	8	16	24	32	40	48	64	>64
m ² OF PANELS	0.4	0.7	1.5	2.2	3.0	3.7	4.5	6.0	>6
NC CORRECTION	-3	0	3	5	6	7	8	9	10

NOTES: Data is based on a 24" x 48" 5000 with 12" inlet and full, open damper. NC is based on a 10dB room attenuation sound power re 10⁻¹² Watts. Multiple panels will add to the sound level. See the table to the left for corrections.