VPQ-0

VAV Diffuser, Constant Volume (No Controls)

MODEL

- VPQ-0 - Steel, architectural VAV diffuser with square plaque, constant volume (no control)

FEATURES

- 1-piece, non-folded, square face, steel construction
- Removable faceplate offers easy duct access
- Plaque face attaches to 1-piece, stamped backpan

INLET SIZES

- Round: 6” - 12” (2" increments)

FRAME STYLES

- F22 - Surface mount [1]
- F23 - Lay-in T-bar
- F24 - Snap-in T-bar
- F98 - Narrow-T

PANEL SIZES

- 24”x24”

OPTIONS AND ACCESSORIES

- EQ - Earthquake tabs
- OBDDM - Steel, square or rectangular damper (duct mount)
- EX8 - Steel duct extractor with 1" blade spacing (duct mount)
- EX88 - Steel duct extractor with 2" blade spacing (duct mount)
- HCF23 - Steel, hard ceiling frame (F23 only)
- 5HCF23 - Aluminum, hard ceiling frame (F23 only)

NOTES:

1 A separate hard ceiling frame (model 5HCF23) is included with the F22, surface mount frame style.

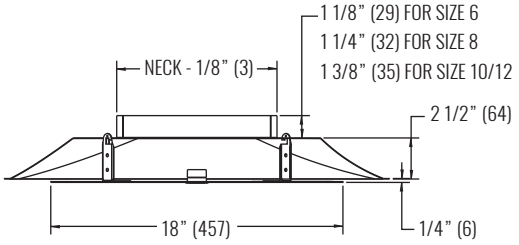
WEB SEARCH: VPQ

VPQ-0

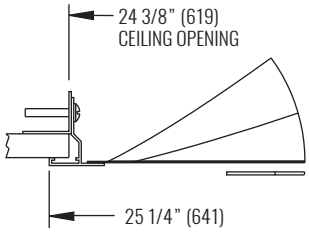
VAV Diffuser, Constant Volume (No Controls)

KRUEGER

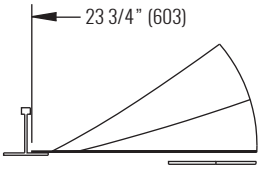
DIMENSIONAL DATA



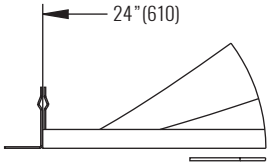
SIDE VIEW



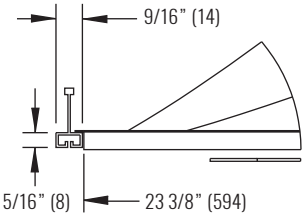
FRAME 22, SURFACE MOUNT [1]



FRAME 23, LAY-IN T-BAR



FRAME 24, SNAP-IN T-BAR



FRAME 98, NARROW-T

NOTES: Dimensions in parentheses are millimeters (mm).
[1] A separate hard ceiling frame (model 5HCF23) is included with the F22, surface mount frame style.

PERFORMANCE AND DESIGN DATA

SIZE		PERFORMANCE - HORIZONTAL THROW				DESIGN		
PANEL	NOMINAL INLET	NC (< 25)		NC (25 - 40)		CFM @ NC=30	SPACING @ 0.6 CFM/sf (ft)	MINIMUM CFM/sf
		CFM	THROW (ft)	CFM	THROW (ft)			
24"x24"	6"	39 - 210	1 - 9	225 - 320	10 - 12	250	20	0.20
	8"	70 - 340	3 - 13	360 - 515	13 - 16	380	25	0.22
	10"	109 - 491	4 - 15	510 - 735	16 - 19	600	32	0.27
	12"	157 - 628	5 - 17	655 - 950	18 - 21	760	36	0.32

NOTES: Information shown is abbreviated. See website for complete information. Throw value ranges are given for isothermal conditions, unless otherwise noted, and a terminal velocity of 50 FPM (0.25 m/s). NC ranges 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. Design spacing is recommended distance between diffusers in an open plan office based on ADPI > 80%, 9ft ceiling, and 55°F discharge at 30 NC and 0.6 CFM/sf. Minimum CFM/sf is based on recommended spacing at 80% ADPI. Design recommendations not applicable to vertical throw. "N/A" in design table denotes situations which do not result in ADPI>80% and are therefore not recommended.