

MODEL

- VPQ-4 - Steel, architectural VAV ceiling diffuser with square plaque and thermal (wax) VAV controls

FEATURES

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

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

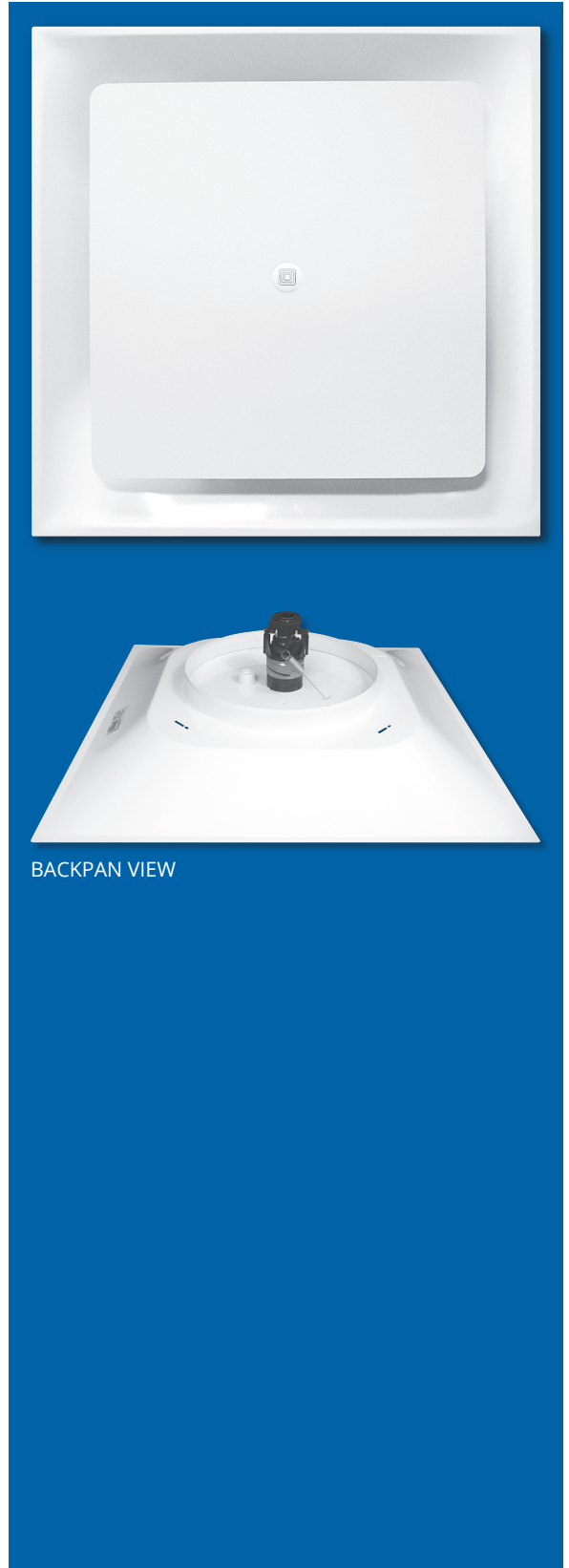
- 24"x24"

OPTIONS AND ACCESSORIES

- EQ - Earthquake tabs
- VPQ4PART - VPQ parts, including relief ring
- 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:

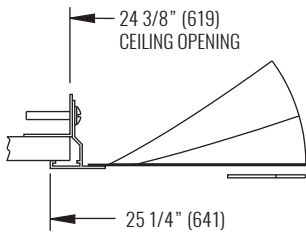
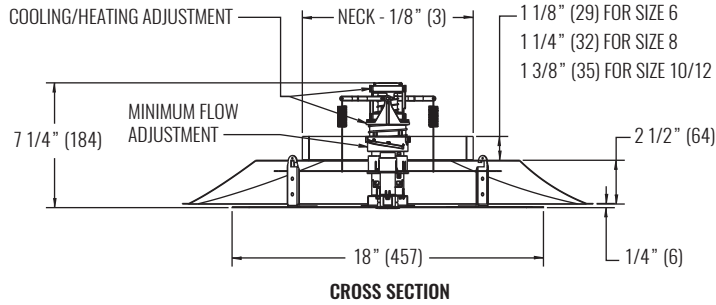
- ¹ A separate hard ceiling frame (model 5HCF23) is included with the F22, surface mount frame style.



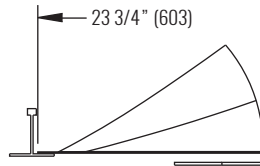
BACKPAN VIEW



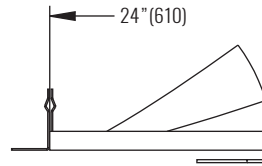
DIMENSIONAL DATA



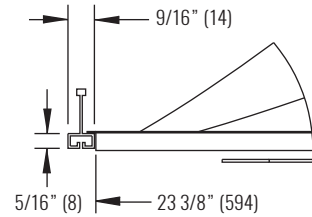
FRAME 22, SURFACE MOUNT ¹



FRAME 23, LAY-IN T-BAR



FRAME 24, SNAP-IN T-BAR



FRAME 98, NARROW-T

NOTES: Dimensions in parentheses are millimeters (mm).

¹A 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"	79 - 196	4 - 9	210 - 285	10 - 12	275	21	0.33
	8"	140 - 270	6 - 11	297 - 420	12 - 14	350	24	0.35
	10"	218 - 332	8 - 12	365 - 590	13 - 17	410	26	0.36
	12"	314 - 381	11 - 13	415 - 785	14 - 19	500	29	0.37

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.