



VPQ-4 backpan (left) and face view (right).

Introduction: VPQ

Room temperature is controlled by varying the supply air volume in accordance with demand. Volume control is achieved by moving a disc, known as the control disc, vertically up and down in the diffuser so as to vary the aperture through which air passes. This results in the “Variable Geometry” concept, which effectively maintains constant air movement in the room throughout the range of control, from 100% down to approximately 30% of design CFM.

The VPQ architectural VAV ceiling diffuser provides the building designer with the desired appearance and superior performance of a uniform 360° radial horizontal discharge air pattern that delivers even air throughout the space. The 24”x24” VPQ has a square faceplate made of one-piece, non-folded material with rounded corners, giving the diffuser a clean appearance that is unobtrusive to ceiling systems. The single faceplate gives the diffuser reduced pressure drops, a quiet sound profile, and is held in place by hooks that lock into the backpan. The one-piece, stamped backpan provides smooth, consistent corners, exacting dimensions, and performance tolerances.

MODEL

VPQ - Square Face, Architectural VAV Diffuser

FEATURES

- One-piece, non-folded, square face, steel construction.
- Removable faceplate offers easy duct access.
- Plaque face attaches to one-piece, stamped backpan.
- Various frame styles available.
- Thermal VAV controls or constant volume unit (no controls) available.
- Round inlet sizes: 6”, 8”, 10”, and 12”.

PANEL SIZE

- 24”x24”

OPTIONS

- VPQ-4: Thermal VAV controls.
- VPQ-0: Constant volume (no control).

ACCESSORIES

- Optional earthquake tabs.
- Optional relief ring. (VPQ-4 only.)

FINISHES

- Standard finish is #44 British White.