

Breathe Easy – Add Natural Ventilation to Fixed Framing Systems



Visalia Police Substation – District 1
Visalia, California
ARCHITECT
Indigo | Hammond + Playle Architects, LLP, Davis, California
GLAZING CONTRACTOR
The Glass Shop Inc., Visalia, California
Photo courtesy of Indigo | Hammond + Playle Architects

Kawneer ventilates its fixed windows, framing systems and curtain wall systems with 512 Ventrow Thermal Ventilator. Open or closed, this modular insert ventilator maintains consistent building sightlines. Even when some vents are open and others closed, the building exterior always looks the same. With 512 Ventrow, there are no projections on the outside or into valuable inside floor space.

512 Ventrow Thermal Ventilator is easily installed in any Kawneer fixed frame that's at least 4" (101.6 mm) deep. Highly adaptable, the vents can be placed at any height in the framing system and can even be placed two per window module for increased airflow. Vents are painted or anodized to match the system's finish. Beyond its obvious advantages in new construction, 512 Ventrow is easily installed in retrofit applications. This versatile vent is an economical way to upgrade building aesthetics and function.

Easy fingertip opening and closing are part of 512 Ventrow Thermal Ventilator's appeal. In fact, there is no operating hardware to maintain or to interfere with interior window treatments.

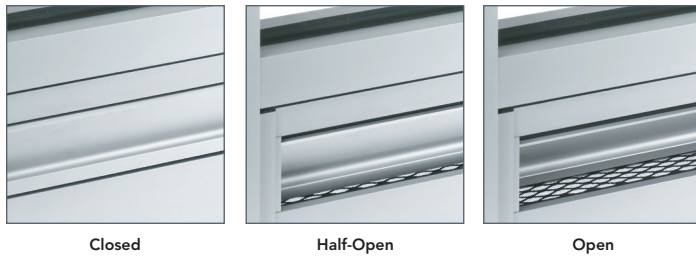
512 Ventrow Thermal Ventilator makes natural air circulation possible without sacrificing energy efficiency. The system is both thermally broken and insulated for maximum control of heat loss by conduction. All-around high performance means 512 Ventrow Thermal Ventilator can meet stringent building code requirements. Ventilators were tested in accordance with Canadian standard CAN/CSA-A440-M90.

CLASS AND GRADES

Air Leakage, ASTM E283	0.012 CFM/FT of lineal crack at a test pressure of 1.56 psf
Water Penetration, ASTM E547	No leakage at a test pressure of 14.6 psf
Structural Performance, ASTM E330	Deflection of 0.04" at a test pressure of 42 psf No damage to vent at a test pressure of 104 psf

Some of 512 Ventrow Thermal Ventilator's benefits may not be obvious. It is windproof, includes a hidden insect screen and is burglarproof (for a big security advantage over operable windows). Optional locks are available for even more security, and a rain screen element protects the ventilator from weathering due to direct rain contact. Its easy installation translates to money savings. Special adapters make installation quick regardless of the type of framing system involved.

Kawneer's 512 Ventrow Thermal Ventilator – the natural choice to add air circulation to a fixed framing system.



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