

Trickle Air Ventilators

Type: Glazed-in at head of IGU
Model: Variglaze
Vent Manufacturer: Titon



Product image owned by Manufacturer (Titon)

Design Guidelines

Applications (at head of IGU)

- Interior glazed fixed windows
- Inswing hopper windows
- Exterior glazed fixed windows
- Outswing awning windows

Performance and Sizes


Equivalent Area (EA) is the net free vent area (square inches), and depends on the ventilator's width.

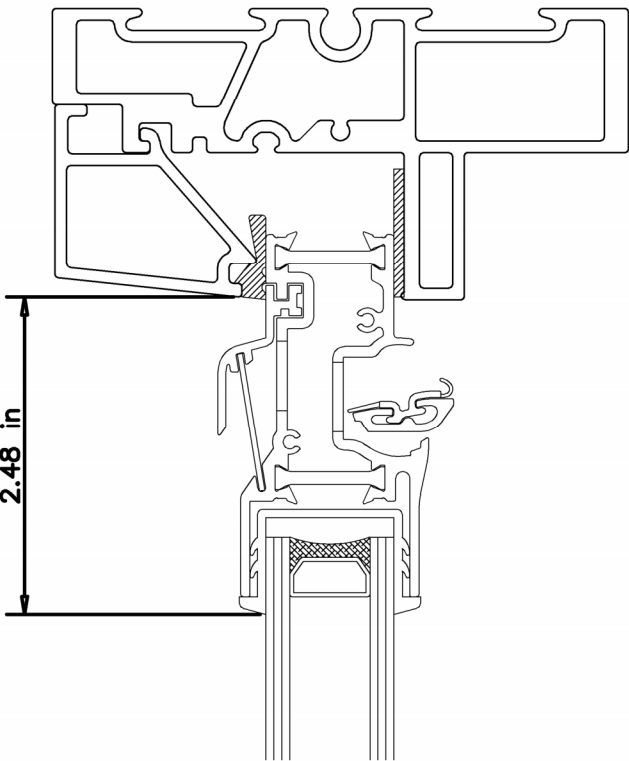
Calculation: EA = [daylight opening width - 3"] x 0.21 in2/in

Example: EA = [22" - 3"] x 0.21 in2/in = 3.99 in2

Limitations

- Minimum daylight opening width: 8"
- Maximum daylight opening width: 48"
- Not available in:
 - doors
 - outswing casement
 - inswing tilt & turn
- Double glazed IGU only. If project is triple-glazed in other locations, Low-E on surface #2 of triple glazed units will be maintained on surface #2 of double glazed units.
- Water penetration resistance at trickle vents is assumed to be very limited, and will not match the rating of the other windows without trickle vents. Cascadia has performed in-factory testing of an installed Variglaze trickle vent, as manufactured by Titon, to a water penetration resistance of 300 Pa (8 PSF). This pressure matched the initial performance expectation that is indicated in Titon's published product literature. Due to wear and tear, long-term performance of trickle vents may not match initial performance. Warranted in-service rating from Cascadia is for *limited-water* only (spray without pressure). Cascadia suggests locating trickle vents under overhangs, flashings, or in sheltered areas to the extent possible.

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	DRAWING TITLE: IN-GLAZE TRICKLE VENT DETAIL			PROJECT NO.:
	ISSUE	DESCRIPTION	DATE	SCALE: N.T.S.
				DATE:
				DRAWN BY:
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UNIVERSAL SERIES FIXED
WITH IN-GLAZE TRICKLE VENT

NOTE: THIS DETAIL IS FOR GENERAL ARRANGEMENT PURPOSES ONLY,
AND DOES NOT NECESSARILY REPRESENT A DETAIL THAT IS APPROPRIATE
FOR A SPECIFIC PROJECT. PRODUCTS AND ACCESSORIES PROVIDED BY
CASCADIA MUST BE CONFIRMED FOR SPECIFIC PROJECTS.



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