

Our trickle vents are a
breath of fresh air

CAPRAL
ALUMINIUM

Renson Invisivent



The most discreet, self-regulating, acoustic overframe ventilator on the market.

The Renson Invisivent® is a thermally broken window ventilator that can be installed above Capral Futureline 440TB and 419TB sub frames, providing an almost invisible installation.

- Discreetly installed above sub frame.
- I-Flux® technology. Thanks to its self-regulating flap, the Renson Invisivent® ensures a supply of fresh and healthy air without draughts. Moreover, the interior profile deflects the incoming air upwards, causing an optimal spread of fresh air in the room.
- Thermally broken. Reduces direct heat/cold transfer to maintain internal temperatures and reduce energy costs.
- Does not degrade performance of Capral Futureline 440TB and 419TB.
- Screened to control insects.
- AS2047 tested.

Renson Slotvent



Renson Slotvent is the latest innovation in slot vent range.

The aluminium slot vent can easily be installed on Capral Futureline 440TB and 419TB sub frames as well as our full range of non-thermally broken sub heads.

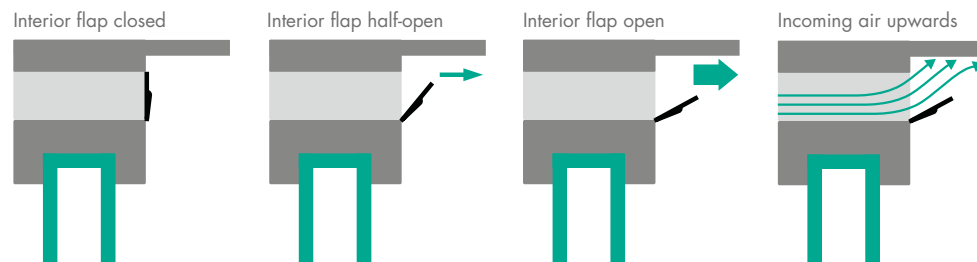
Inside profile

- Aluminium profile with PVC endcaps.
- Standard finish in black, selected colours available on request.
- It directs the incoming air upwards and avoids any draughts.
- Available with manual control or cord control.
- Small and discreet.
- Various sizes available to suit different ventilation requirements.

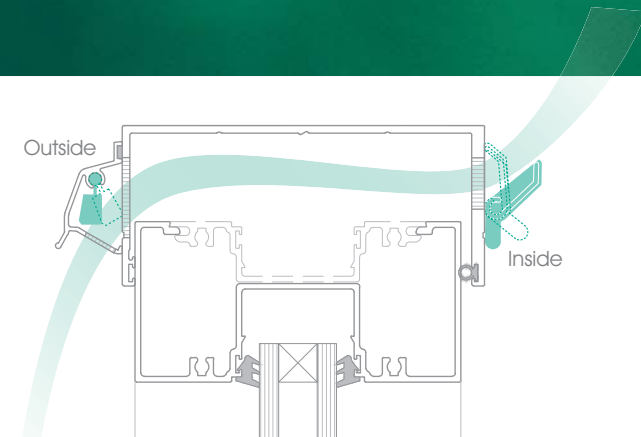
Outside profile

- Aluminium profile with PVC endcaps.
- Standard finish in black, selected colours available on request.
- Self-regulating. Independent from outside weather conditions, it brings a permanent airflow without draughts.

Renson Invisivent



Renson Slotvent



Trickle Vents – a natural ventilation solution for healthy and energy-efficient homes.

With the advancements in building standards, and the drive to improve thermal comfort and energy efficiency, today's buildings have become more airtight with less air leakage.

This contributes to poor indoor air quality where dust mites, moulds, viruses, bacteria and chemical substances can accumulate, impacting on the health of a home's occupants.

Of course, we can open windows and doors to allow fresh air in, however this is often a temporary solution that can compromise energy efficiency, security and comfort. The need for regular

ventilation thus becomes an important consideration in the maintenance of indoor air quality.

Trickle vents have been designed as an effective ventilation solution. Without the need of electric power, sensors or human interaction, trickle vents passively control ventilation.

Why is it important to ventilate?

An unhealthy indoor environment can lead to a number of health issues for occupants, such as:

- respiratory problems
- dry throat
- burning or irritated eyes
- headaches
- allergies
- lack of concentration
- grogginess and listlessness.

Regular ventilation can also assist in passive control of internal temperatures reducing the reliance on heating and cooling methods.

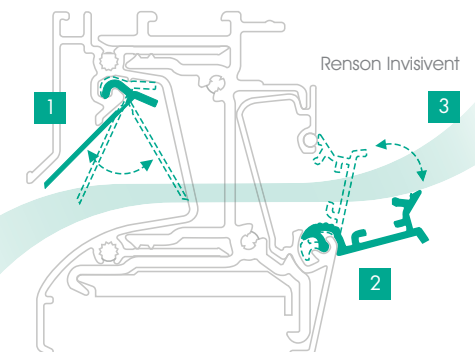
The advantages of Trickle vents:

- Consistent supply of ventilation even when windows are closed, especially at night or when the home is unoccupied.
- More secure than an open window where you can be vulnerable to burglary, annoying insects and noise.
- Helps control air moisture that can lead to mould and mildew.
- Installed above window frames means views are unobstructed.
- Safer for children.

Capral Aluminium's solution to passive ventilation – The Renson Trickle Vent.

Thanks to the application of i-Flux® technology the Renson Trickle vent can guarantee maximum comfort with minimum energy loss. This technology is based on the following three principles.

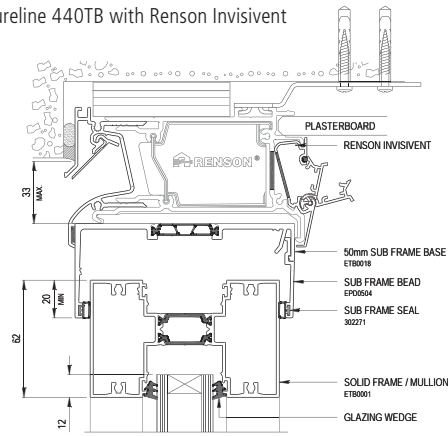
1. *Self-regulating:* A self-regulating flap reacts to changes in pressure, ensuring a constant air-flow, that prevents draughts even with windgusts.
2. *Manually controlled inner flap:* the required airflow can be determined depending for example on the occupancy in the room.
3. *Upward airflow:* the shape of the inner flap directs air upwards resulting in optimal distribution in a room, guaranteeing maximum comfort.



Trickle Vent technical and testing Information.

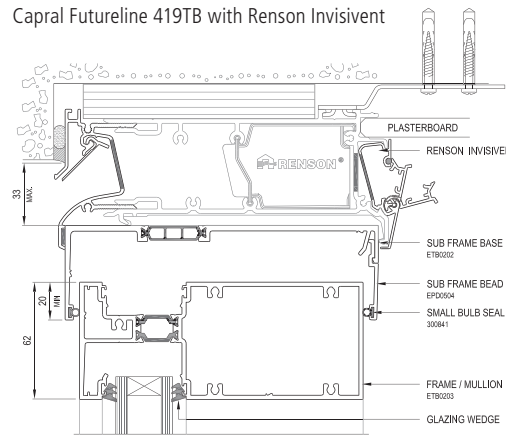
The Renson Invisivent and Slotvent ventilation products are manufactured and tested by Renson. For further information on these products visit www.renson.eu. The technical data information presented in the tables below have been sourced from the Renson technical data manuals printed August 2017.

Capral Futureline 440TB with Renson Invisivent



RENSON INVISIVENT MODEL 110mm - 124mm ADJUSTED TO SUIT 440 TB SUBFRAME OF 116mm

Capral Futureline 419TB with Renson Invisivent



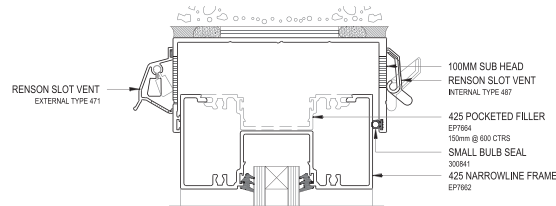
RENSON INVISIVENT MODEL 155mm - 169mm ADJUSTED TO SUIT 419 TB SUBFRAME OF 166mm

Renson Invisivent EVO Ventilation Figures

Q at 1 Pa	10.8 l/s/m
Q at 2 Pa	14.3 l/s/m
Q at 10 Pa	13.1 l/s/m
Q at 20 Pa	14.4 l/s/m
Thermally broken	Yes
f-value	0,00
Control	6 positions
Airflow in closed position at 50Pa <15%	Yes
Insect mesh	Yes

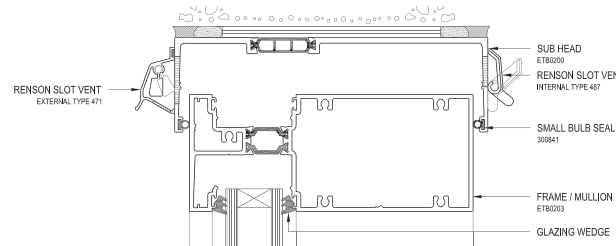
Note: The following results have been obtained following a local test of a combined Futureline 419TB Fixed Window and Renson Invisivent product AS2047. Water penetration resistance pressure - up to 900Pa.

Capral AGS 425 Narrowline with Renson Slotvent



RENSON INTERNAL SLOT VENT MODEL 487
RENSON EXTERNAL SLOT VENT MODEL 471

Capral Futureline 419TB with Renson Slotvent



RENSON INTERNAL SLOT VENT MODEL 487
RENSON EXTERNAL SLOT VENT MODEL 471

Renson Slotvent Ventilation Figures (Type 787K Internal)*

Based on a 275 x 23 Unit

Q at 1 Pa	3.3 l/s
Q at 2 Pa	4.7 l/s

Renson Slotvent Ventilation Figures (Type 471 External)*

Based on a 275 x 35 Unit

Q at 1 Pa	1.4 l/s
Q at 2 Pa	2.0 l/s

*Renson Slotvent is not suitable for use in high rise applications.



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