**Invisivent® AIR Light**

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product features (text marked in red can be deleted at your discretion)

* Type: Thermally broken, noise-reducing, self-regulating valve ventilation for installation on the window
* Acoustic comfort:
	+ Equipped as standard with acoustic damping material
	(PEPP – Porous Expanded Polypropylene)
	+ Integrated acoustic material: no additional acoustic module to the inside
* Self-regulating valve (P3):
	+ Self-regulating effect at pressure differences as of 2 Pa
	+ Automatically responds to pressure differences/wind strength and cannot be influenced by the user
	+ Ensures constant airflow and reduces energy losses
* Adjustable aluminium inner valve directs the airflow upwards: Coandă effect
* Non-punched, controllable inner valve with gripping edge: 5 positions
* Condensation-free, due to the thermally insulating profile on the inner valve
* Insect-proof: invisible, perforated inner profile (3.9 x 9.8 mm)
* Easy cleaning: Removable inner profile
* Controls: manual, cord, rod, motor
* Finish:
	+ Anodised (F1) / powder-coated in the same RAL colour as the window profiles / bicolour
	+ Colour of endcaps = standard mass end caps (best match), mass end caps of your choice, coated endcaps
* Construction height: 65 mm / visible outside opening: 33 mm
* Recessed installation on the window profile (0 mm glass reduction):
	+ Suitable for window profile thicknesses of 50 to 202 mm (and thicker on request)
	+ Completely recessed installation both indoors and outdoors (completely invisible)
	+ Optional designer outer cover available
* Perfect airtight connection to the window profile due to coextruded, flexible sealing over the entire length of the window ventilation, including the endcaps.
* Installation:
	+ Directly anchor the window ventilation to the window with screws
		- Screw zone provided in the PVC body
		- Additional screw zone through the aluminium outer profile makes it possible to anchor the product at any time without damaging the thermal bridge of the window profile
		- Quick and easy installation due to the monobloc principle
	+ Guaranteed stability of window and louvre due to monobloc principle + additional reinforcement with screws in body (every 280 mm)
	+ Integrated Euronut dowel slot for good anchoring to the wall
* Flexible and aesthetic interior finishing:
	+ Airtight wet plastering: easy to do due to removable vertical rib, which allows a standard plaster profile (commercially available) to be used.
	+ By removing the vertical rib, a recess is created in which an MDF board, plasterboard, or PVC panel can be placed.
	+ A buffer area prevents plastering of the inner valve
* Optionally available with Pollux filter: for rooms with high particulate and pollen levels

APPLICATION

* Can be combined with Invisivent COMFORT in the same project due to the identical look & feel
* Dimensioned at 2 Pa: can be used in every project as standard

performance level

* **U value**: 2.0 W/(m²K)
* **F value:** 0.78
* **Water resistance up to**: 900 Pa in closed position
* **Water resistance up to**: 150 Pa in open position

250 Pa in open position (with design exterior cover)

* **Leakage rate at 50 Pa**: < 15% (in closed position)
* **Burglar resistance**: class 2 (if window is WK2)
* **Sound damping Dn,e,w (C;Ctr):**
* In open position: 31(-1;-2) dB
* In closed position: 51 (-1;-3) dB

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| **Properties:** |
| Airflow Q at 1 Pa | 10.6 l/s/m  |
| Airflow Q at 1 Pa | 38.1 m³/h/m |
| Airflow Q at 2 Pa | 17.2 l/s/m |
| Airflow Q at 2 Pa | 62.0 m³/h/m |
| Airflow Q at 10 Pa | 16.4 l/s/m |
| Airflow Q at 20 Pa | 19.2 l/s/m |
| Equivalent area | 13479 mm²/m |
| Self-regulating | yes |
| Surface area | 0.065 m²/m |