**VARIAVENT®**

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DESCRIPTION (text marked in red can be deleted according to your choice)

* Type: thermally broken, self-regulating flap ventilator for glazed-in installation or at transom
* Flexible integrated: in aluminium, timber and PVC window profiles
* Four different airflow levels in same design:
	+ high airflow, as much as 28,5 l/s/m at 2Pa
	+ integrated airflow limitor in endcap: flow rate can be adjusted manually, without having to dismantle the window ventilation.
	+ Visually the same appearance, regardless of flow rate
* iFlux technology:
	+ Constant flow rate and reduction of energy losses thanks to the self-regulating valve
	+ a self-regulating flap reacts automatically to changes pressure differences / wind strength, and cannot be influenced by the user
	+ upward air flow for optimum comfort: coanda-effect
	+ air flow adjustable thanks to control lever
* Design inner profile

o Choice between iFlux interior profile with coanda effect and a flat interior profile.

o I-Flux: higher aesthetic comfort due to invisible ventilation openings, higher technical comfort due to airflow that is pushed upwards.

o Flat: visible ventilation openings, ideal in situations with roller blinds.

o Both inner profiles can be removed manually, making them easy to clean.

* Design outer profile
	+ Aluminium outer profile ensures clean, straight-lined design
* Waterproof:
	+ aluminium external profile acts as a rain cap
	+ special foam (compriband) integrated in the end caps to ake the transition between gass and glazed-in vent waterproof
* Insect mesh: perforated interior profile (3 x 3,9 x 11,0 mm)
* Glazed-in installation: glass thickness 20, 24, 28, 32, 36, 40 of 44 mm or at transom (use of additional transom profile)
* Control options: manual, cord or rod
* Finishing
	+ aluminium profils: anodised (E6/EV1) / powder-coated in the same RAL colour as the window profiles / bicolor
	+ Colour of endcaps = standard mass end caps (best match), mass end caps of your choice, coated endcaps
* Optionaly available with Pollux filter – type 02: for strongly fine dust and pollen impacted environments
* Maximum length: 3000 mm
* Glass reduction: 80 mm

TECHNICAL SPECIFICATIONS

* **U value**: 2,80 W/m²K
* **F value:** 0,65
* **Watertightness up to**: 650 Pa in closed position
* **Watertightness up to**: 50 Pa in open position
* **Air leakage at 50 Pa**: <15% in closed position
* **Sound reduction**
	+ **Dn,e,w (C;Ctr):**
* in open position: 25 (-1;-1) dB
* in closed position: 40 (-1;-2) dB

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| **Properties:** |
| Airflow Q at 1 Pa | 10 l/s/m **(S)**15 l/s/m **(M)**18 l/s/m **(L)**20,9 l/s/m **(XL)** Manually adjustable with air flow limitor |
| Airflow Q at 1 Pa | 36 m³/h/m **(S)**54 m³/h/m **(M)**64,8 m³/h/m **(L)**75,2 m³/h/m **(XL)**Manually adjustable with air flow limitor |
| Airflow Q at 2 Pa |  14,2 l/s/m **(S)**21,4 l/s/m **(M)**25,6 l/s/m **(L)**28,5 l/s/m **(XL)**Manually adjustable with air flow limitor |
| Airflow Q at 2 Pa | 51,3 m³/h/m **(S)**76,9 m³/h/m **(M)**92,3 m³/h/m **(L)**102,6 m³/h/m **(XL)** Manually adjustable with air flow limitor |
| Airflow Q at 10 Pa | 12,7 l/s/m **(S)**19,1 l/s/m **(M)**22,9 l/s/m **(L)**25,4 l/s/m **(XL)** Manually adjustable with air flow limitor |
| Equivalent area | 12725 / 19088 / 22905 / 26595 mm²/m |
| Airflow Q at 20 Pa | 13,6 l/s/m **(S)**20,4 l/s/m **(M)**24,4 l/s/m **(L)**27,1 l/s/m **(XL)** Manually adjustable with air flow limitor |
| Self-regulating | Yes |
| Surface area | 0,097 m²/m |