

U-Vent EA

universal
products ltd



Brilliant Hardware for Windows & Doors



Product description

The slot ventilator is to be surface mounted on all types of windows and is available in any size and finish for slot heights up to 12 mm. The vent allows for upward ventilation, this to avoid undue draught, and is available for controllable ventilation. A special hood is designed to be surface mounted upside down to provide upward deflected air for permanent ventilation. The hood offers weather protection and is available with 2 types of flyscreen : 3 x 4 mm or 6 x 8 mm apertures (for domestic fuel burning applications).

*Technical information, drawings and specifications :
on request or download from our site : www.renson.eu*

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Document F - Introducing EA
Our strong performing aluminium trickle vents have been especially developed to meet the requirements of Approved Document F - Means of Ventilation (April 2006 UK).

The new Part F (UK) document typically requires 2500 Equivalent Area (EA) for kitchens, utility rooms and bathrooms and 5000 EA for habitable rooms (depending on the ventilation system applied). EA reflects better the volume of air that will flow through an opening for a given pressure difference.

Trickle vents also need to be controllable and the EA should be clearly marked on the vent.

Gas ventilation applications still use 'Free Area (FA)'.

U-Vent EA

Equivalent area (EA) 2500 mm²

Airflow at 1 Pa is 2,3 dm³/s *, Airflow at 2 Pa is 3,2 dm³/s , Airflow at 4 Pa is 4,5 dm³/s *, Airflow at 6 Pa is 5,6 dm³/s *

Slot height	Slot width	Number of slots	Number of bridges	Width of bridge	Recommended length of U-Vent
12 mm	245 mm	1	0	0 mm	300 mm
11 mm	250 mm	1	0	0 mm	300 mm
10 mm	255 mm	1	0	0 mm	300 mm
9 mm	260 mm	1	0	0 mm	300 mm

Equivalent area (EA) 5000 mm²

Airflow at 1 Pa is 4,6 dm³/s *, Airflow at 2 Pa is 6,5 dm³/s *, Airflow at 4 Pa is 9,1 dm³/s *, Airflow at 6 Pa is 11,2 dm³/s *

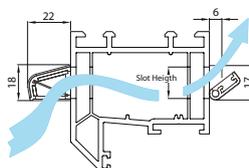
Slot height	Slot width	Number of slots	Number of bridges	Width of bridge	Recommended length of U-Vent
12 mm	245 mm	2	1	15 mm	600 mm
11 mm	255 mm	2	1	15 mm	600 mm
10 mm	265 mm	2	1	15 mm	600 mm
9 mm	270 mm	2	1	15 mm	600 mm

* 10% tolerance included - * Tested according to BS EN ISO 717-1. Test reports on request.

Free Area (FA) characteristics (For UK: applicable for permanent gas vents)

Slot height	Routing details	2000 mm ²	4000 mm ²
10 mm	Vent length	240 mm	455 mm
	Slot width	200 mm	200 mm
	N° of slots	1	2
	N° of bridges	0	1
	Bridge width	0	15 mm
11 mm	Vent length	230 mm	420 mm
	Slot width	182 mm	182 mm
	N° of slots	1	2
	N° of bridges	0	1
	Bridge width	0	15 mm
12 mm	Vent length	210 mm	390 mm
	Slot width	167 mm	167 mm
	N° of slots	1	2
	N° of bridges	0	1
	Bridge width	0	15 mm

Slot Vent Controllable



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