



CHIMNEY CAPS AND VENTILATION





toward perfection...

New design · High extraction capacity
Lightweight · No sharp edges · Meets CTE requirements
Mechanical extraction with integrated motors



The new VENTUM cap range is designed to meet the requirements of Spain's Código Técnico de la Edificación (RD 314/2006), covering every home ventilation need.

STATIC VENTILATION



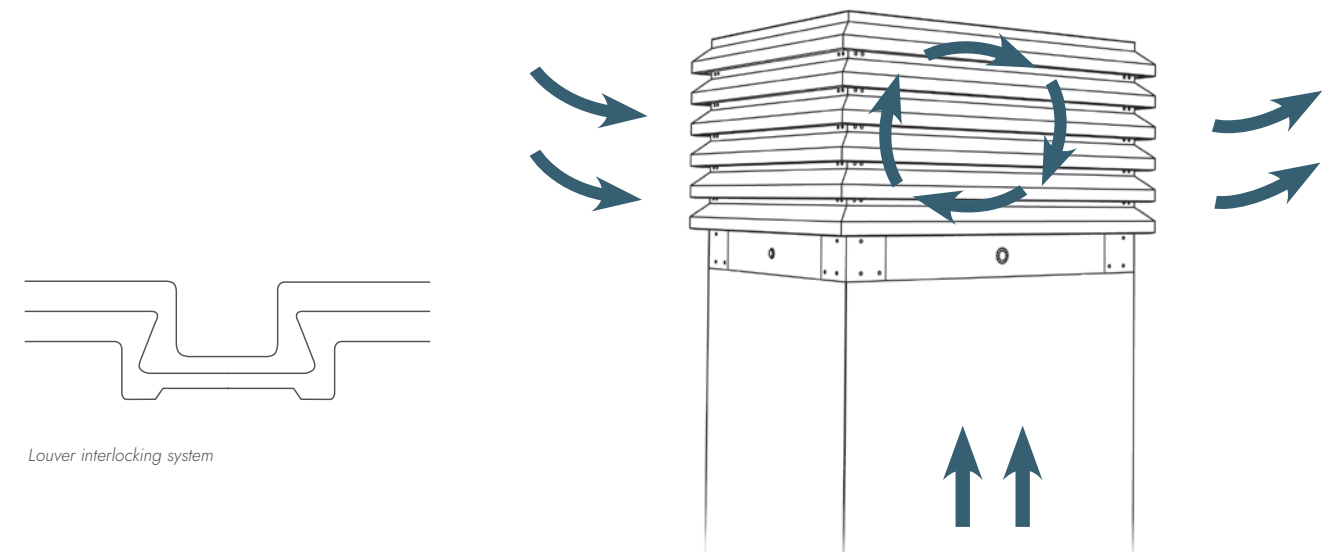
For cooker hoods, gas boilers and hearth chimneys. The VENTUM Series C is designed to create negative pressure inside the various ducts and prevent backdraft, with no motor needed inside it.

MECHANICAL EXTRACT VENTILATION

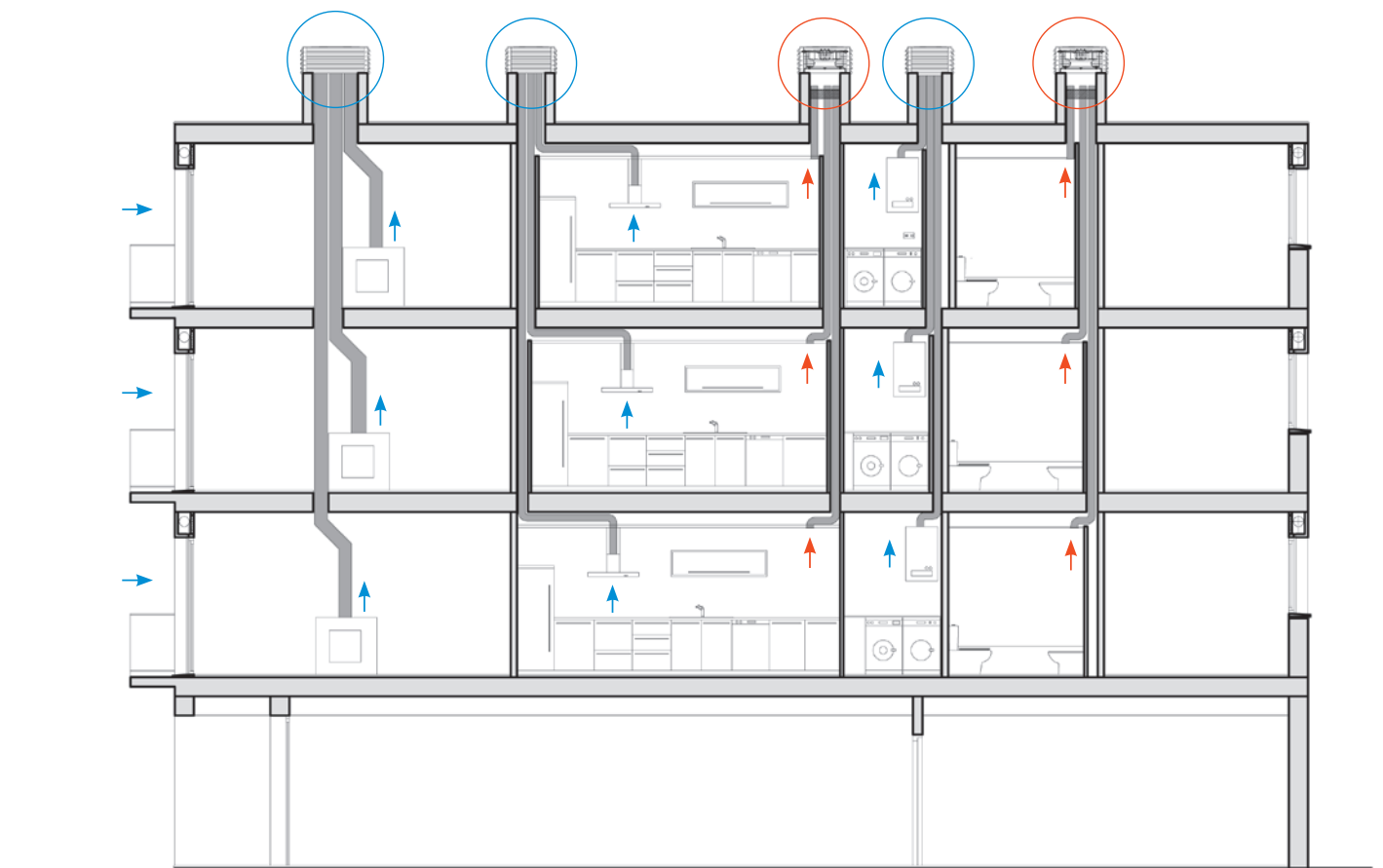


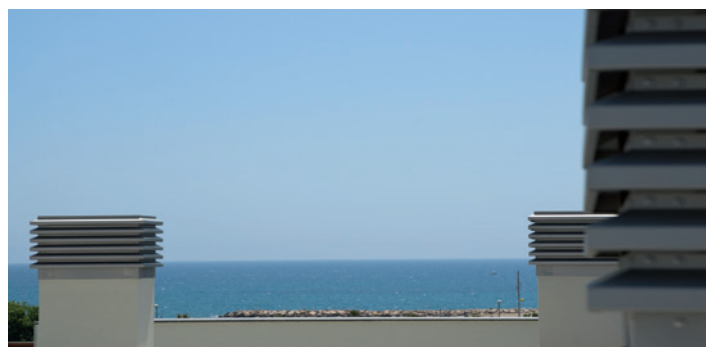
For ventilating damp areas, bathrooms and kitchens. The VENTUM Series E fits, depending on the airflow to be extracted, one of several motor models of varying power.

Under the CTE, homes must have a forced indoor-air renewal system, admitting air through inlets in walls or windows and extracting it from the home's damp areas, bathrooms and kitchens.



Louver interlocking system





The pieces that make up VENTUM are joined with expanding embossed rivet points, without welding, guaranteeing a perfect metal-to-metal joint that keeps all the material's durability properties fully intact and prevents any kind of alteration to it.

The VENTUM base is designed for a fast, easy and secure fixing, which also keeps moisture out by acting as a drip edge. Easy to fit, it needs no masonry work at all.



MADE TO MEASURE

Our robotic, automated technology lets us manufacture large-format VENTUM units for ventilating large surfaces, lift shafts, light wells or service shafts, garages, hiding air-conditioning units on terraces, grilles, etc., with no intermediate walls to reduce or cancel out the negative pressure.

The VENTUM's height and the spacing between louvers don't change, so its suction capacity stays constant on any chimney.

The VENTUM Series E air-extraction units can fit a motor sized to the airflow to be extracted. The motor's power rating is independent of the housing's outer dimensions (width and length).

To help with this calculation, we've included the table below for reference. The installation must include an electronic voltage regulator to adjust the motor's power in each case and ensure the right airflow is extracted.

AIRFLOW-TO-MOTOR RATIO

Airflow m ³ /h	Airflow l/s	no. of pipes Ø 100	speed in duct at 4 m/s
70	19,39	1	Model HBR/ 4-200
140	38,78	2	
210	58,17	3	
280	77,56	4	
350	96,95	5	Model CRHB/ 4-250
420	116,34	6	
490	135,73	7	
560	155,12	8	
630	174,51	9	Model CRHB/ 6-315
700	193,90	10	
770	213,29	11	
840	232,68	12	
910	252,07	13	
980	271,46	14	
1050	290,85	15	
1120	310,24	16	Model CRHB/ 6-355
1190	329,63	17	
1260	349,02	18	
1330	368,41	19	
1400	387,80	20	
1470	407,19	21	
1540	426,58	22	
1610	445,97	23	
1680	465,36	24	

To calculate ventilation airflow rates, we provide a downloadable spreadsheet at www.industriasmass.com

TECHNICAL SPECIFICATIONS OF THE MOTORS

Model	HRB/4-200
Voltage (V-Hz)	230 50/60
Speed (RPM)	1475
Max. power draw (W)	35
Max. current draw (A)	0,19
Sound pressure level (dB)	53

Model	CRHB/4-250
Voltage (V-Hz)	230-50/60
Speed (RPM)	1475
Max. power draw (W)	52
Max. current draw (A)	0,26
Sound pressure level (dB)	58

Model	CRHB/6-315
Voltage (V-Hz)	230-50
Speed (RPM)	980
Max. power draw (W)	69
Max. current draw (A)	0,40
Sound pressure level (dB)	48

Model	CRHB/6-355
Voltage (V-Hz)	230-50
Speed (RPM)	955
Max. power draw (W)	87
Max. current draw (A)	0,44
Sound pressure level (dB)	58

MINIMUM INTERIOR SIZE OF THE HOUSING

HRB/ 4-200	300x300 mm
CRHB/ 4-250	445x445 mm
CRHB/ 6-315	540x540 mm
CRHB/ 6-355	610x610 mm

RESEARCH

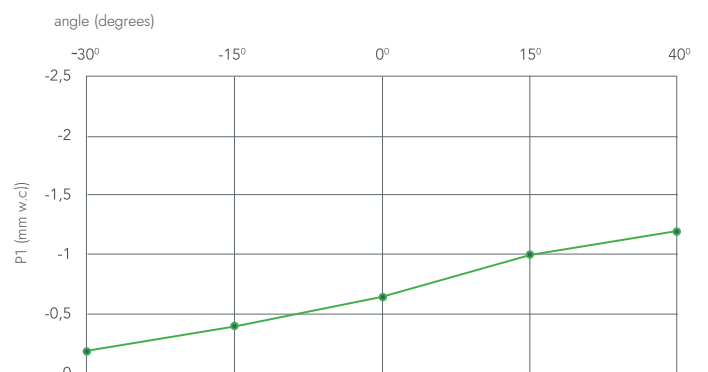
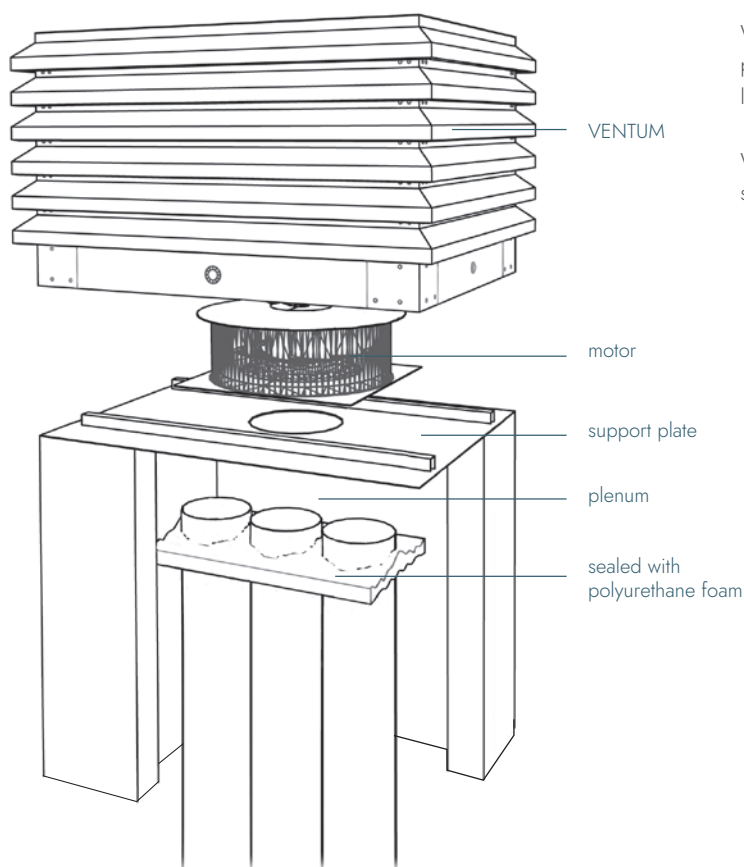
Thanks to significant efforts and investment in research and development of new products, we manufacture market-leading products for home ventilation.

Our engineering team works to meet our customers' needs in the simplest and most cost-effective way possible.

That's why our customers' requirements are our challenges for the present.

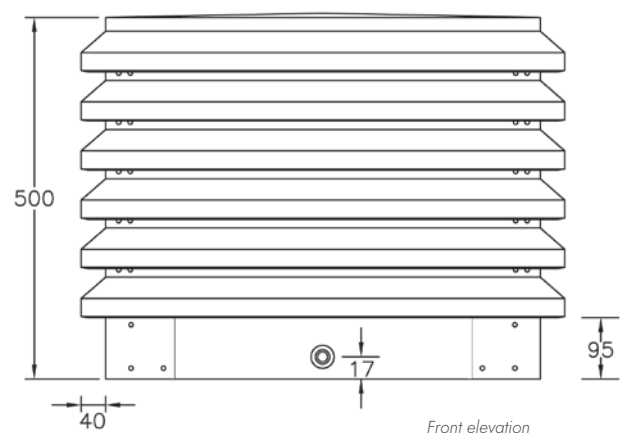
HOW TO FINISH THE HOUSING

We recommend running each bathroom's and kitchen's ventilation ducts separately up to the roof, to avoid noise, odour and ventilation issues between dwellings. Once at the roof, the ducts should stop 20 cm below the top of the housing and be sealed to each other with polyurethane foam, so that only the air inside the pipes is extracted and air isn't drawn in from inside the housing.



We recommend concreting the last three courses of brick solidly, preferably with rebar, to keep strong wind pressure from tearing them loose.

Within 2,000 metres of the sea, we recommend using polished AISI 316 stainless steel for the VENTUM.

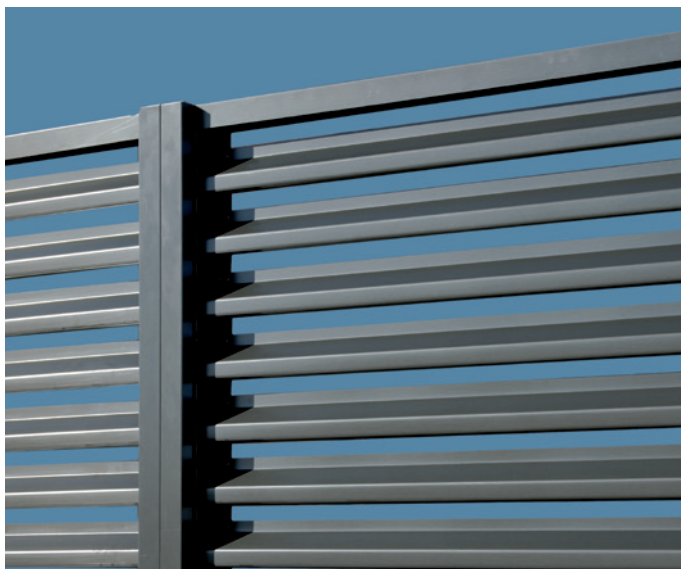


DEMAND VENTUM QUALITY

VENTILATION GRILLES, LOUVER ENCLOSURES AND SCREENS

Our robotic, automated technology lets us manufacture ventilation grilles designed for quick, easy installation with no visible fasteners. They're a high-quality, made-to-measure product at a competitive price. They can be used to ventilate large areas, lift shafts, light wells or service shafts, garages, to conceal air-conditioning units, and more.

Louver-based enclosures are a good solution for hiding ventilation equipment on building roofs, as well as any other installations you'd like to make invisible. They're made with the same louver type, materials and colours as the ventilation caps, giving a uniform look.



MATERIALS AND COLORS

Polyester-painted
aluminum black RAL 9005



Polyester-painted aluminum
Anthracite RAL 7016



Polyester-painted
aluminum gray RAL 7022



Natural aluminum



3004 H44 alloy, specifically suited under EN standards.

Polyester-painted
aluminum white RAL 9003



**Polyester-painted aluminum in any RAL color (optional, on request)*

Stainless steel
- AISI 316, polished



HOW TO ORDER

MECHANICAL

1. VENTUM MECHANICAL

Series E, extractor

☐

4-200
(77 l/s)

☐

4-250
(170 l/s)

☐

6-315
(300 l/s)

☐

6-355
(454 l/s)

Series I, supply

☐

TRB/4-200
(25 l/s)

☐

TBR/4-250
(48 l/s)

2. DIMENSIONS

A (length)

B (width)

3. CHOOSE MATERIAL

Aluminum

☐

Black

☐

RAL 7016

☐

RAL 7022

☐

Natural aluminum

☐

RAL 9003

☐

Any RAL color

☐

Stainless steel

- AISI 316, polished

STATIC

1. VENTUM STATIC

Static series

2. DIMENSIONS

A (length)

B (width)

3. CHOOSE MATERIAL

Aluminum

☐

Black

☐

RAL 7016

☐

RAL 7022

☐

Natural aluminum

☐

RAL 9003

☐

Any RAL color

☐

Stainless steel

- AISI 316, polished



CHIMNEY CAPS AND VENTILATION

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