



**AirMaidHood®**  
by Interzon

# AirMaid Hood®

A BRAND NEW TYPE OF KITCHEN HOOD  
WITH INTEGRATED OZONE PURIFICATION



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**AirMaid Hood® OZONE CLEANING SYSTEM**

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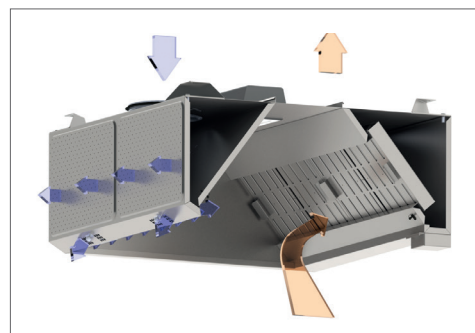
[www.interzon.com](http://www.interzon.com)

# AirMaid Hood® – a kitchen hood with integrated ozone purification

**AirMaid Hood®** is a new professional kitchen hood with an integrated ozone module that contributes to a clean and hygienic environment in the kitchen. The kitchen hood removes dirt and excess heat in the kitchen and separates the grease in the exhaust air. Thanks to the ozone treatment, grease and odours are also reduced in the flue, leading to a considerably lower fire risk and fewer complaints from nearby neighbours.

## THE BENEFITS OF AIRMAID HOOD®

- High efficiency HFK filter in the hood (97 % purification at 10µm)
- Active air purification with ozone immediately after the HFK filter
- Reduction of odours by up to 95%, thanks to the ozone treatment
- The ozone treatment reduces the risk of fire in the exhaust duct
- Laminar air flow through the front panel
- Adjustable air vents in the working area
- Possibility to measure and adjust the air flow
- Turbo Grip air control improves the transport of polluted air to the filter
- Minimal maintenance of the air purification unit (no moving parts or consumables)
- Reliable air purification unit, which requires only electricity and air
- Safe ozone operation presents no risks to the user

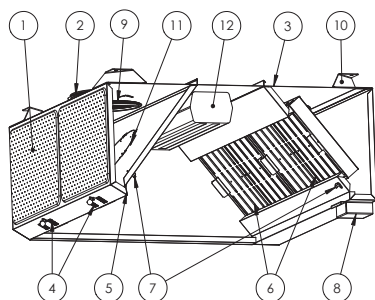


## FUNCTION

The hot air is drawn through the grease filters capturing a majority of the air contaminants. The inlet air passes through the front panel and through the adjustable controls on the lower side of the hood, which permits adjustment of the active zone for the user.

Turbo Grip air control improves the transport of polluted air in the exhaust air to the grease filter. The grease in the air is separated in the filters and collected in a container.

A cleaner exhaust air is achieved through active air treatment with ozone directly after the filters. The ozone purification also keeps the space behind the filters cleaner.



- 1 - Front panel
- 2 - Supply air connection
- 3 - Exhaust air connection
- 4 - Adjustable air intake
- 5 - Turbo Grip air outtake
- 6 - HFK filter

- 7 - Measuring nipples for air flows
- 8 - Grease container
- 9 - Airflow damper
- 10 - Fixing hooks
- 11 - Air intake cleaning hatch
- 12 - Lightning

## MATERIALS AND DIMENSIONS

The kitchen hood is made from stainless steel (AISI 304). All duct joints have seals. The air intake chamber is thermally insulated to prevent water vapour condensing on the inner surface of the hood. Suspension brackets are included throughout the product range.

HKS dimensions, mm	
L Length	1000-3000 (range 500 mm)
W Width	1000-2900 (range 100 mm) 2000-5800 Room centered installation, dual
H Height	400, 550

## RECOMMENDATIONS

Length L	Exhaust air l/s ( $P_s$ 28-82 Pa)	Air intake l/s, per linear meter through the front panel					
		SPx1		SPx2		SPx3	
		H=400	H=550	H=400	H=550	H=400	H=550
1500	210-360	$\Delta P_s$ =5-30 Pa 20-50 l/s	$\Delta P_s$ =5-25 Pa 25-60 l/s	$\Delta P_s$ =10-30 Pa 60-100 l/s	$\Delta P_s$ =10-25 Pa 280-125 l/s	$\Delta P_s$ =10-30 Pa 100-170 l/s	$\Delta P_s$ =10-30 Pa 140-240 l/s
2000	280-480						
2500	350-600						
3000	420-720						

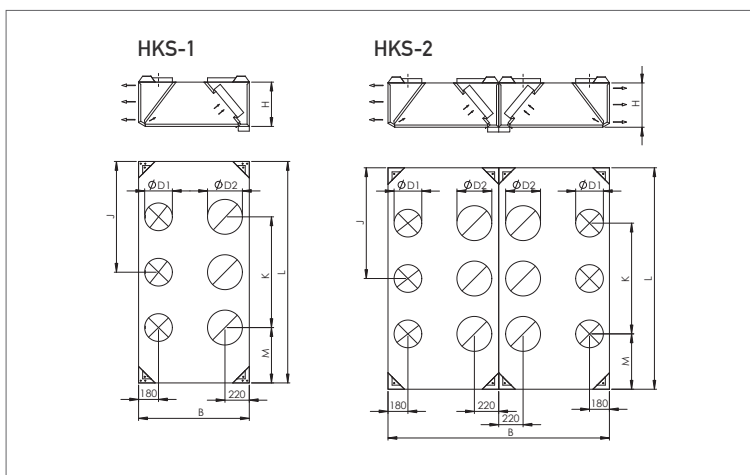
## DUCT CONNECTIONS' POSITIONS

L	M	Exhaust air		Air intake		
		1x315	2x315	2x250	3x250	
		J	K	K	J	K
1500	375	L/2	750	750	L/2	750
2000	500	L/2	1000	1000	L/2	1000
2500	500	L/2	1500	1500	L/2	1500
3000	500	L/2	2000	2000	L/2	2000

## DIMENSIONS

HKS-1 Wall-mounted, single	
L Length	1000, 1500, 2000, 2500, 3000
W Width	1000, 1100, ..., 2900
H Height	400, 550
D1	250
D2	315

HKS-2 Room centered location, dual	
L Length	1000, 1100, ..., 3000
W Width	2000, 2100, ..., 5800
H Height	400, 550
D1	250
D2	315



## PRODUCT DESCRIPTION

HKS	1	L	W	H	SPx1
Product	Type	Length	Width	Height	Front panel type
	1 - wall-mounted model, single 2 - Room centered location model, dual				

## DETAILED DESCRIPTION

<b>Front panel:</b>	SPx1 perforated pattern SPx2 perforated pattern SPx3 perforated pattern
<b>Intake air:</b>	D1 = number of intake air connections (250 x 1, 2 or 3)
<b>Exhaust air:</b>	D2 = number of exhaust air connections (315 x 1, 2 or 3)
<b>Filter:</b>	HFK = number of filter
<b>Lightning:</b>	Fluorescent lamps, protected by a plastic casing, class IP65 are used for illumination: VP - surface mounted lighting L=600, L=1200 VP - integrated lighting L=600, L=1200

Kitchen hood dimension L	T5 lamp power, W	Lamp size
L <1400	2x14 W	660x160x106
L ≥1400	2x28 W	1270x160x106

## ACCESSORIES

<b>Cover plates:</b>	Cover plates can replace filters when airflows are low, in order to achieve a sufficient pressure drop and airflow through the remaining active filters.
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### Product description example

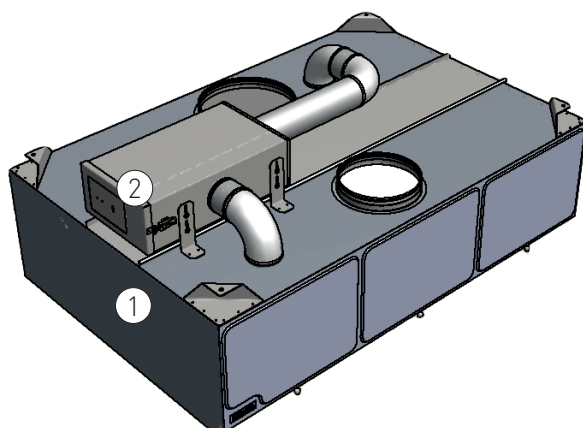
HKS-1 2000x1000x400, SPx1, D1=250x2, D2=315x2, HFK=3, VP=1200

## AIRMAID OZONE MODULE

The integrated ozone module is supplied with the kitchen hood as a separate unit. There is also an optional alarm panel for easy monitoring of the operation and to display an alarm in the event of an operational fault.

## AIRMAID OZONE MODULE AS AN INTEGRATED PART OF THE KITCHEN HOOD

The drawing below shows how the ozone module is fitted on the top of the kitchen hood. Since the ozone module is fitted on the top, only the kitchen hood can be seen in the kitchen, while the ozone module is still easy to access for service and maintenance.



1. Kitchen hood
2. AirMaid® ozone module

## SERVICE AND MAINTENANCE OF THE OZONE MODULE

The ozone module contains no moving parts and only requires an annual inspection, and cleaning if necessary. Otherwise, no maintenance is required by the user.

## TECHNICAL SPECIFICATION FOR AIRMAID OZONE MODULE

Ozone capacity (mg/h)	Power	Under pressure at 30 l/s	Voltage	Weight
2000	100 W	80 Pa	230V/50Hz	11,2 kg

**Materials:** Stainless steel AISI 304

**Temperature range:** -25 to +40°C

**Dimensions WxLxH:** 300 x 400 x 239 mm

The ozone module is fitted with a low pressure switch and overheat protection. The low pressure switch ensures that the module only starts when the correct pressure has been achieved. The overheat protection protects the module against overheating. The main power switch is fitted with a 2 amp circuit breaker.

## CE DECLARATION OF CONFORMITY

This product has been designed, manufactured and supplied in accordance with the safety regulations in CE directives:



- The EMC Directive 2014/30/EU
- The Low Voltage Directive 2006/95/CE

## CLEAN DUCTS

## SAVE MONEY



**LESS  
GREASE**



**REDUCE  
ODOURS**



**LOWER  
COSTS**



**REDUCED  
RISK OF FIRES**



**HEAT  
RECYCLING**



**ANTI-  
BACTERIAL**

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**AirMaid Hood® COMES WITH A 3 YEAR WARRANTY**

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