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Introduction

The hoods are compatible with kitchen fans mounted on ducts (motorized duct fans outside the air stream) or at the duct end (rooftop fans).
The hoods are normally made of stainless steel sheet 1.4301 (X5CrNi18-10) acc. to PN-EN 10088. Please provide a detailed specification of the conditions in which the hood is to operate, as it may be required to use another material being more resistant to particular conditions.

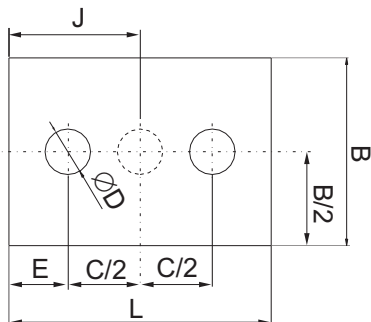
If the equipment should be made of the 1.4301 material, do not provide its marking in the purchase order (default material); if another material should be used, please provide its marking as per PN-EN 10088. If the location of the connectors should be different than standard, please provide an additional description of their arrangement.

During planning the amount of exhaust air, we use the values of 0.2 m/s for low loaded kitchen and 0.4 m/s for medium loaded kitchen, measured at the hood plane.

Depending on the hood equipment variant, we attach a grease filter or lighting fixture (2x18 W; IP65), respectively.

NOTES:

- 1) As standard, the hoods are delivered without fixing elements.
- 2) The hoods are not equipped with fans. The fans should form components of the system connected to the hood.
- 3) The number of lighting fixtures depends on the hood length.
 $L \leq 1500$ [mm] => 1 lighting fixture
 $1500 < L \leq 2500$ [mm] => 2 lighting fixtures
 $L > 2500$ [mm] => 3 lighting fixtures



Arrangement of connectors.

L [mm]	2xØ315		1xØ315
	E [mm]	C [mm]	J
1000	-	-	L/2
1500	375	750	L/2
2000	500	1000	L/2
2500	500	1500	L/2

MARKING: OWCS - L x B x H / F / O / mat.

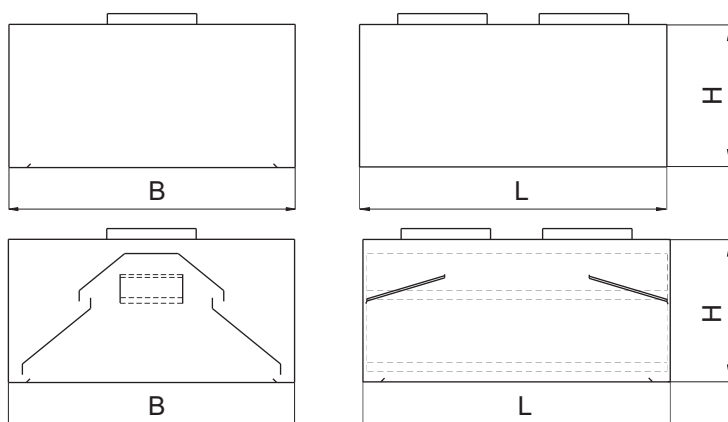
Type _____
Hood (SNACK type)
Length L [mm] _____
Width B [mm] _____
Height H [mm] _____
Grease filter _____
Without filter - no marking
Lighting _____
Without lighting - no marking
Material _____
Stainless steel 1.4301 (PN-EN 10088)

Examples:

OWCS - 2000 x 600 x 500 / O - Hood (SNACK type), length 2000 mm, width 600 mm, height 500 mm, with lighting, without grease filter, made of stainless steel sheet 1.4301 (PN-EN 10088).

OIOC - 1000 x 800 x 400 / F / 1.4306 - Induction hood OIOC, length 1000 mm, width 800 mm, height 400 mm, with grease filters, without lighting, made of stainless steel sheet 1.4306 (PN-EN 10088).

Hood OWPW



DESCRIPTION:

Steam exhaust hood OWPW, located above kitchen appliances, designed to catch, condensate and remove steam where grease filtration is not required. A system of compartments (1) and (4), together with special crevices (6), prevents steam condensation and water dropping onto the kitchen appliances located under the hood.

MARKING: OWPW - L x B x H / O / mat.

Type _____
 Length [mm] _____
 Width [mm] _____
 Height [mm] _____
 Lighting - O _____
 Without lighting no marking
 Material _____
 Stainless steel 1.4301 (wg PN-EN 10088)

Table 1. Dimensions.

Dimensions [mm]
L = 800 - 2500, 5000
B = 800 - 2000
H = 400 - 550
D = Ø315
Typical dimensions [mm]*
L = 1000, 1500, 2000, 2500, 3000
B = 800, 1000, 1500, 2000
H = 450

Table 2. Recommended amounts of air examples for hood width B = 1000 mm.

L [mm]	B [mm]	\dot{V} [l/s]	\dot{V} [m ³ /h]
1000	1000	305	1100
1500	1000	445	1600
2000	1000	610	2200
2500	1000	805	2900

* The dimensions given above only refer to the modular version. Larger hoods consist of several separate modules.

Hood OWPW

Fig. 1. Arrangement of connectors (1 or 2).

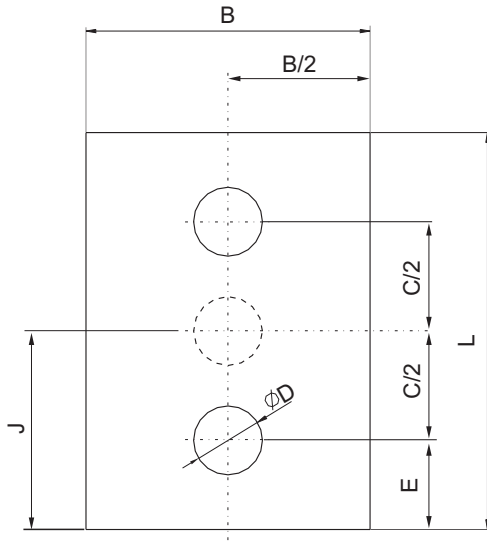
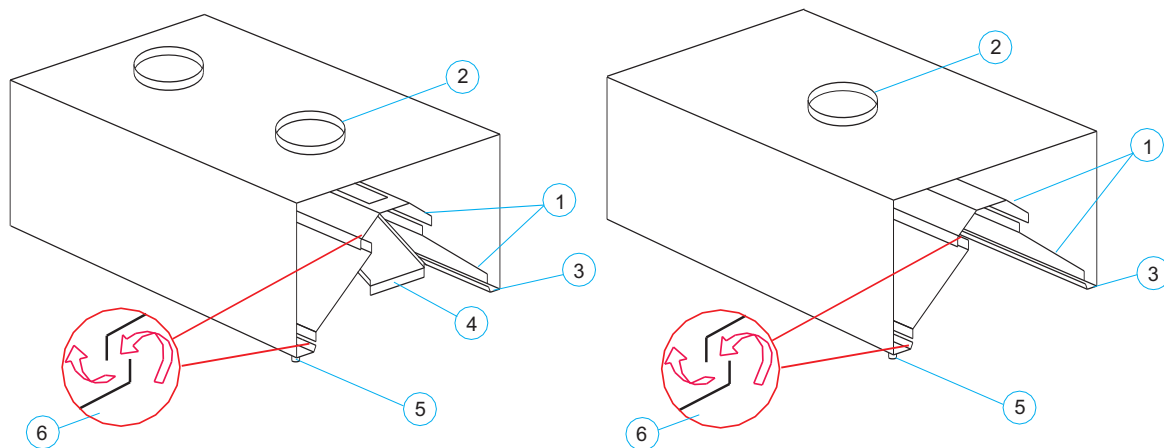


Table 3. Arrangement of connectors.

L [mm]	2xØ315		1xØ315
	E [mm]	C [mm]	J
1000	-	-	L/2
1500	375	750	L/2
2000	500	1000	L/2
2500	500	1500	L/2

Fig. 2. Design of hood OWPW.



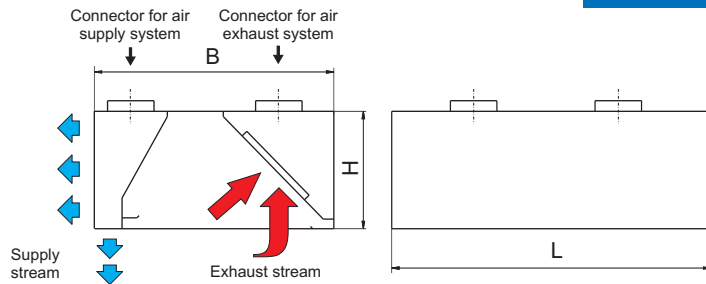
1. Top and bottom compartments.
2. Connector.
3. Trough.
4. Side compartments.
5. Drain pipe.
6. Crevices.

DESIGN DESCRIPTION:

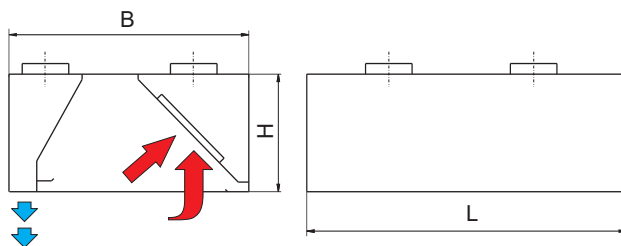
The housing, troughs (3) and the other hood components, e.g. connectors (2), are made of stainless steel. The device is waterproof and user friendly. Condensate is removed by the drain pipe (5). Compartments may be dismantled, which allows easy cleaning of the interior.

The device may be additionally equipped with connectors with untypical dimensions.

Induction hood OIOC



OIOC2 - with streams of supplied and isolating air.



OIOC1 - only with isolating stream.



DESCRIPTION:

The OIOC (supply and exhaust) hood, located above kitchen appliances, catches contaminated air and directs it to FTC filters, which catch the particles of grease and contaminants. Then, the air is removed through the exhaust system.

Apart from its exhaust function, the hood also supplies fresh air to the room. The fresh air is fed from the supply system connected to the stub pipes located in the upper part of the hood. Its air supply function is important due to:

- supplementation of air in the room
- reduction of contaminated air spread in the room
- limiting the penetration of heat generated by kitchen appliances into the room

It is available in two models: OIOC1 with the supply of isolating air. OIOC2 with the supply of isolating and fresh air.

Accessories:

- 20/40 W lamps

MARKING: OIOC - L x B x H / F / O / mat.

Type
OIOC1, OIOC2
 Length L [mm]
 Width B [mm]
 Height H [mm]
 Filters
Without filters - no marking
 Lighting
Without lighting - no marking
 Material
Stainless steel 1.4301 (PN-EN 10088)

Table 4. Dimensions.

Dimension range [mm]
L = 800 - 3000
B = 800 - 2000
H = 400, 450, 500, 550
Typical dimensions [mm]*
L = 1000, 1500, 2000, 2500, 3000
B = 800, 1000, 1500, 2000
H = 450
D = Ø 315

* The dimensions given above refer only to the modular version. Larger hoods consist of several separate modules.

Induction hood OIOC

Fig. 3. Arrangement of connectors (2 or 4).

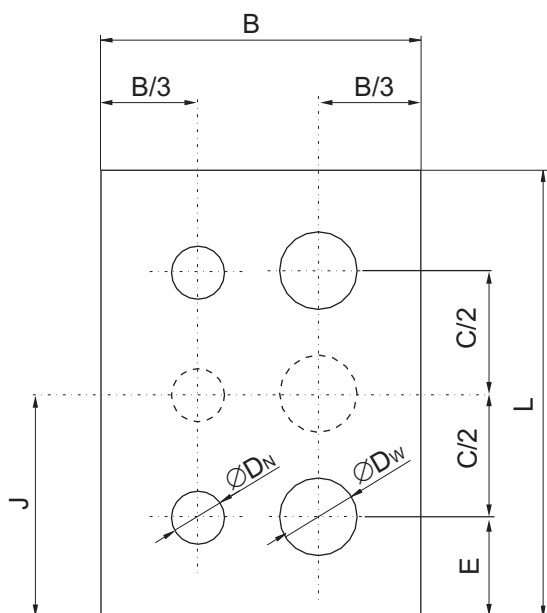


Table. 5. Arrangement of connectors.

L [mm]	2xØ315		1xØ315
	E [mm]	C [mm]	J
1000	-	-	L/2
1500	375	750	L/2
2000	500	1000	L/2
2500	500	1500	L/2

Table. 6. Air streams - examples.

L [mm]	Recommended amounts of exhaust air \dot{V}^*		Recommended amounts of supply air \dot{V}^*		
	[l/s]	[m ³ /h]	H = 550 mm	H = 450 mm	H = 400 mm
1500	230 - 450	850 - 1600	100-200 l/s	85-175 l/s	80-150 l/s
2000	310 - 580	1100 - 2100	lub	lub	lub
2500	420 - 770	1500 - 2800	360-720 m ³ /h	310-630 m ³ /h	290-540 m ³ /h
3000	460 - 860	1600 - 3100	per meter of length	per meter of length	per meter of length

* The amounts of exhaust air assume a filter pressure loss from 35 to 120 Pa.

OPERATION:

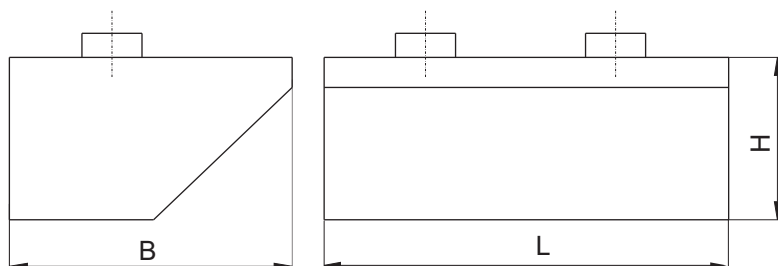
Grease and contaminants precipitated from the air stream settle in the labyrinth structure of the filter.

After some time, it is required to remove the accumulated grease from the filter troughs by a bath in a degreasing fluid.

The hood has a circumferential trough to which stem condensate from the hood inner surfaces is discharged.

The trough has a drain valve used to evacuate the accumulated water.

Wall hood OWCS



OPIS:

Okap OWCS (SNACK) instalowany jest nad piecami przemysłowymi, wannami oraz w obiektach gastronomicznych. Montowany przy ścianie nad źródłem emitującym zanieczyszczenia. Dla wymiaru L przekraczającego 2500 mm istnieje możliwość wykonania okapu modułowego. Wyposażenie dodatkowe: - lampy oświetleniowe 20 / 40 W

MARKING: OWCS - L x B x H / F / O / mat.

Type _____
 Length L [mm] _____
 Width B [mm] _____
 Height H [mm] _____
 Filters _____
 Without filters - no marking
 Lighting _____
 Without lighting - no marking
 Material _____
 Stainless steel 1.4301 (wg PN-EN 10088)

Table 7. Dimensions.

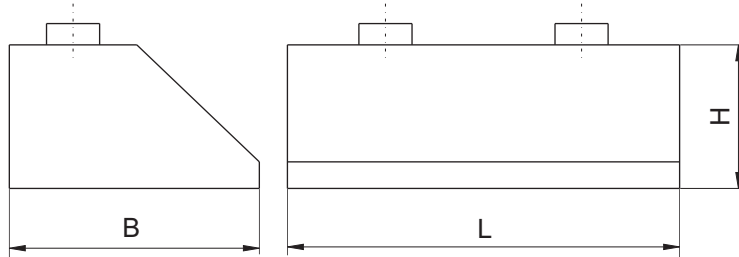
Dimension range [mm]
L = 800 - 2500
B = 600 - 1500
H = 400, 450, 500, 550
Typical dimensions [mm]*
L = 1000, 1500, 2000, 2500
B = 600, 800, 1000
H = 450
D = Ø 315

Table 8. Air volumes - examples.

L [mm]	\dot{V} [l/s]	\dot{V} [m ³ /h]
1000	170 - 300	600 - 1000
1500	250 - 500	900 - 1800

* The dimensions given above refer only to the modular version. Larger hoods consist of several separate modules.

Wall hood OWCP



DESCRIPTION:

The wall ventilation hood is installed above industrial furnaces, bathtubs and in catering facilities. It is mounted by the wall over the contamination emitter.

Accessories:

- 20 / 40 W lamps
- grease filters FTC

For dimension L exceeding 2500 mm, it is possible to produce a modular hood.

MARKING: OWCP - L x B x H / F / O / mat.

Type _____
 Length [mm] _____
 Width [mm] _____
 Height [mm] _____
 Filters _____
 Without filters - no marking
 Lighting _____
 Without lighting - no marking
 Material _____
 Stainless steel 1.4301 (PN-EN 10088)

Table 9. Dimensions.

Dimensions [mm]
L = 800 - 2500, 5000
B = 800 - 2000
H = 400, 450, 500, 550
Typical dimensions [mm]*
L = 1000, 1500, 2000, 2500
B = 800, 1000, 1500, 2000
H = 450
D = Ø 315

* The dimensions given above refer only to the modular version. Larger hoods consist of several separate modules.

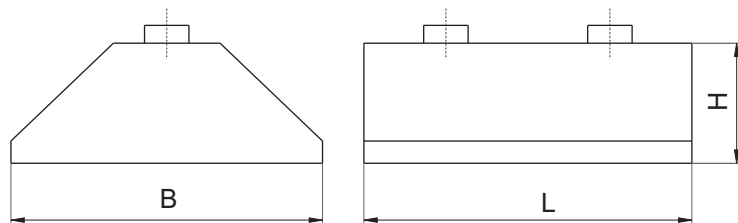
Tabela 10. Arrangement of connectors.

L [mm]	2xØ315		1xØ315
	E [mm]	C [mm]	J
1000	-	-	L/2
1500	375	750	L/2
2000	500	1000	L/2
2500	500	1500	L/2

Table 11. Air volumes - examples.

L [mm]	\dot{V} [l/s]	\dot{V} [m ³ /h]
1000	170 - 300	600 - 1000
1500	250 - 500	900 - 1800

Central hood OWCC



DESCRIPTION:

The OWCC hood is installed above industrial furnaces, bathtubs and in catering facilities.

It is mounted over the contamination emitter.

For dimension L exceeding 2500 mm, it is possible to produce a modular hood.

Accessories:

- 20 / 40 W lamps
- grease filters FTC

MARKING: OWCC - L x B x H / F / O / mat.

Type _____
 Length L [mm] _____
 Width B [mm] _____
 Height H [mm] _____
 Grease filters _____
Without filters - no marking
 Lighting _____
Without lighting - no marking
 Material _____
Stainless steel 1.4301 (PN-EN 10088)

Table 12. Dimensions.

Dimension range
L = 1000 - 2500/8000
B = 1000 - 2000
H = 400, 450, 500, 550
Typical dimensions [mm]*
L = 1000, 1500, 2000, 2500
B = 1000, 1200, 1500, 2000
H = 450
D = Ø 315

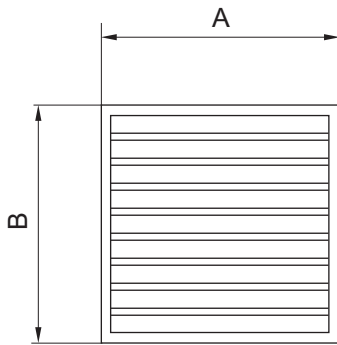
Table 13. Air streams - examples.

L [mm]	Recommended amounts of exhaust air \dot{V}^*	
	[l/s]	[m ³ /h]
1500	230 - 450	850 - 1600
2000	310 - 580	1100 - 2100
2500	420 - 770	1500 - 2800

* The dimensions given above refer only to the modular version.
 Larger hoods consist of several separate modules.

During planning the amount of exhaust air, we use the values of 0.2 m/s for low loaded kitchen and 0.4 m/s for medium loaded kitchen, measured at the hood plane.

Grease filter FTC



DESCRIPTION:

Grease filters FTC are designed for installation in ventilation hoods. The purpose of the grease filter is to arrest the grease and dust particles derived from contaminated air. The filter is only available together with the hood!

MARKING: FTC - A x B / mat.

Type _____
 Dimension A [mm] _____
 Dimension B [mm] _____
 Material _____
 (Stainless steel 1.4301) PN-EN 10088)

Table 13. Flow resistance for a single metal grease filter of 500x500 mm.

\dot{V} [m ³ /h]	ΔP [Pa]
250	20
500	40
750	90
1000	160
1250	170
1500	390

Table 14. Typical dimensions of grease filter [mm].

A	B
500	500
500	400