



NORDcanopy HR Grease Canopies

Laser welded structure

Efficient HFK cyclone filters protected as a utility model

Energy efficient LED lights

Registered design no. 007972823-0001

HACCP certified (no. I-PE-106-ETS-R4-01)

www.nordcooking.com

 **ETS NORD**

General

The NORDcanopy product portfolio consists of canopies and related air treatment products for use in commercial and industrial kitchen ventilation to create a comfortable and hygienic work environment.

Our products combine stylish design with highly effective grease, heat and odor removal performance for your project. Thanks to our highly efficient HFK centrifugal filters, 95% of cooking greases can be eliminated from the kitchen exhaust airstream.

We at ETS Nord know that no projects are exactly alike. We have designed our canopies to be modular, so we can custom design and manufacture a NORDcanopy solution to meet your each and every project requirement or technical need.

NORDcanopy products are manufactured from stainless steel according to standards EN 10088- 2:2014, EN 1.4301 or AISI 304 (AISI 304, surface 2K).

HACCP International certifies the equipment listed above as food-safe and suitable for use in food facilities that operate in accordance with a HACCP based Food Safety Programme.



HR Grease Canopies

HR-C
Grease canopy - standard

5

aSAP



HR-C is our standard HR canopy and satisfies the needs of most commercial kitchens.

HR-V
Grease canopy - island

11

aSAP



Island installations should be symmetrical in form. Our HR-V canopy includes all the features available in our other canopies, in an effective and attractive package.

HR-G
Grease canopy HIGH CAPACITY

16

aSAP



The HR-G high-capacity grill canopy makes it easy to exhaust the high volumes of cooking gases and smoke often found above grills and broilers. It can support up to an amazing 520 l/s per linear meter!

HR-E
Grease canopy - dual exhaust

22

aSAP

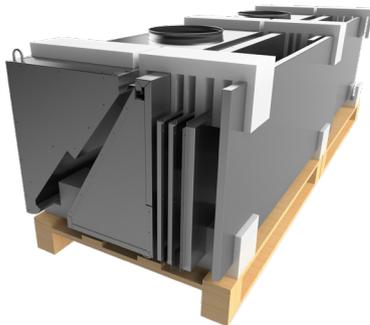


When high volumes of exhaust air are needed, and supply air will be provided by other devices, the HR-E dual-exhaust canopy is the perfect solution.

HR Options & Accessories

aSAP Solution

30



When access to the job site or kitchen space is limited, an ETS NORD aSAP Self-Assembly Package can be the perfect solution. Narrow passageways and complex floor plans are no longer a problem with our aSAP-packaged canopy sections, which are easily assembled at the job site.

FET "Helping hand" Grease filter removal tool

30



With the ETS NORD "Helping Hand" filter tool, professional kitchen operators can safely and easily service their grease filters. Helping Hand allows grease filters to be removed and replaced without the cumbersome need to climb on or reach over kitchen equipment.

Cover plates

30



Mounted in the area between canopy and ceiling, when conduits and other components are to be concealed.

HFK Grease filter

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HFK is a high efficiency grease filter designed for use in ventilation canopies of commercial kitchens or other food production facilities. The ETS NORD HFK grease filter is protected by utility patent no. 01310.

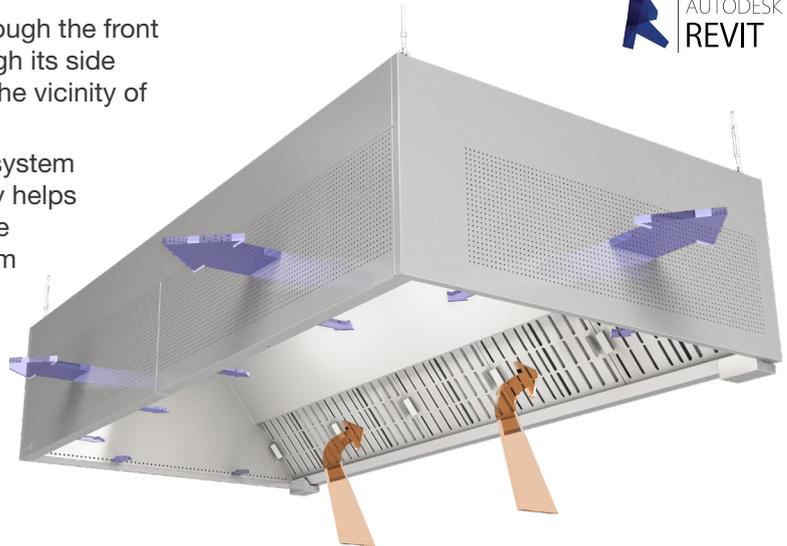
HR-C Grease Canopy - standard

HR-C kitchen canopy ensures a clean, hygienic and comfortable work environment by removing pollutants, excessive heat and grease from your commercial kitchen operation. The same unit supplies fresh replacement air into the room to provide ultimate worker comfort.



Operation

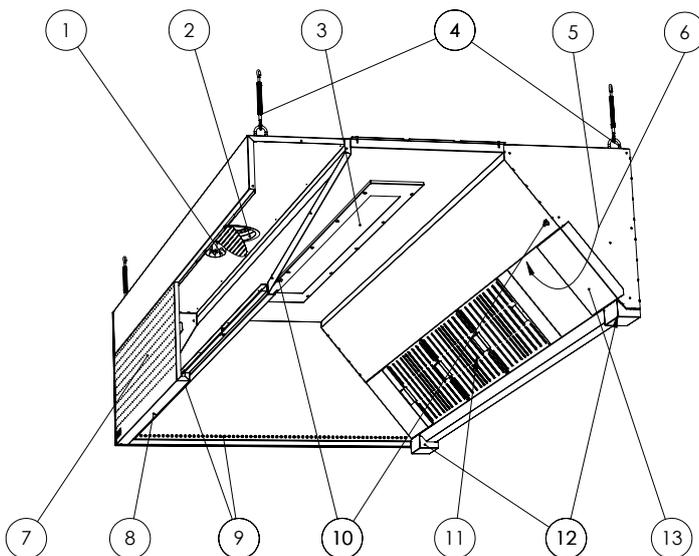
- Supply air is supplied into the room through the front panel of the kitchen canopy (also through its side panels if desired) providing fresh air in the vicinity of the kitchen staff.
- Air supplied by the "AirGrip" air intake system along the lower perimeter of the canopy helps route the kitchen effluent into the grease filters. The grease then drains down from the filters into the collection channel leading to its collection container.



Recommended Data

Section length L	Extraction airflow l/s (Δp_{tot} 14-48 Pa)	Supply airflow (with "AirGrip" air nozzle system) per linear meter of panel, l/s			
		SPx1	SPx2	SPx3	Side panel
1000	140-260				
1500	210-390	10-61 Pa	10-40 Pa	10-28 Pa	10-40 Pa
2000	280-520	71-175 l/s	110-220 l/s	165-275 l/s	22-40 l/s
2500	350-650				

Construction



- 1 - Supply air adjustment plate
- 2 - Supply air connection
- 3 - Lighting
- 4 - Suspension points
- 5 - Exhaust air connection
- 6 - Exhaust air regulating plate
- 7 - Front panel
- 8 - Front panel lock
- 9 - "AirGrip" air nozzle system
- 10 - Airflow measuring nipples
- 11 - HFK grease filters
- 12 - Grease collection container
- 13 - Blind panel for grease filter rail

- The canopy is made from stainless steel (AISI 304, surface 2K).
- Duct connections are equipped with rubber gaskets.
- Supply air chambers are heat insulated to prevent condensation of steam on the inner surface of the canopy.
- The laser welded end walls of the exhaust chamber prevent the possible spillage of grease from the inside of the chamber, thereby reducing the possibility of bacteria forming in the joints of the parts.
- The side walls of the canopy are a closed structure and air tight allowing for routing supply air and the use of the "AirGrip" air capture on the sides, contributing thereby to more efficient removal of pollution.
- Easy-to-clean surfaces.
- Access to the chamber and the possibility to clean the supply pipes is ensured through the easy-to-remove front panel of the canopy. Exhaust pipes can be connected and insulated via the removable ceiling panel.
- A sectioned canopy is supplied without partition walls.
- Adjustable suspension hooks are included.



Lighting

Professional kitchens require functional lighting to ensure that employees have a safe and effective work environment. ETS NORD professional kitchen canopies use the next generation of energy-efficient recessed LED fluorescent lamps and LED-Spot luminaires, which can save as much as 50% more energy compared to old technologies.

Grease removal canopies include light fixtures integrated into their ceilings, protected by an aluminum and glass casing. The size and number of light fixtures are determined by the size of the canopy, to ensure there is enough light output for the entire workspace.



Luminaries (standard), IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
1000 ≤ L < 1600	LED770	769	17	840	4000	80	2250
1600 ≤ L < 1900	LED1370	1350	41	840	4000	80	4900
L ≥ 1900	LED1670	1669	54	840	4000	80	6800

DALI LED luminaries, IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
900 ≤ L < 1500	DALI750	750	14	840	4000	80	2000
1500 ≤ L < 1800	DALI1350	1350	35	840	4000	80	5200
L ≥ 1800	DALI1650	1650	48	840	4000	80	7150

Spot LED lighting fixtures

Light colour (designation) - Cool White

Light colour - 4000 K

Housing material - Aluminium

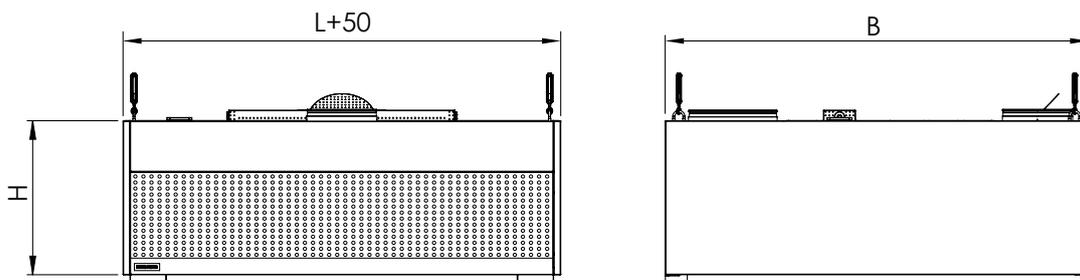
Colour separation index - > 80 (Ra)



Canopy section length (mm)	Spot LED Quantity	Energy use (W)	Flux (lm)	Radiation angle
1000 ≤ L < 1500	2	16	1340	36°
1500 ≤ L < 2000	3	24	2010	36°
L ≥ 2000	4	32	2680	36°

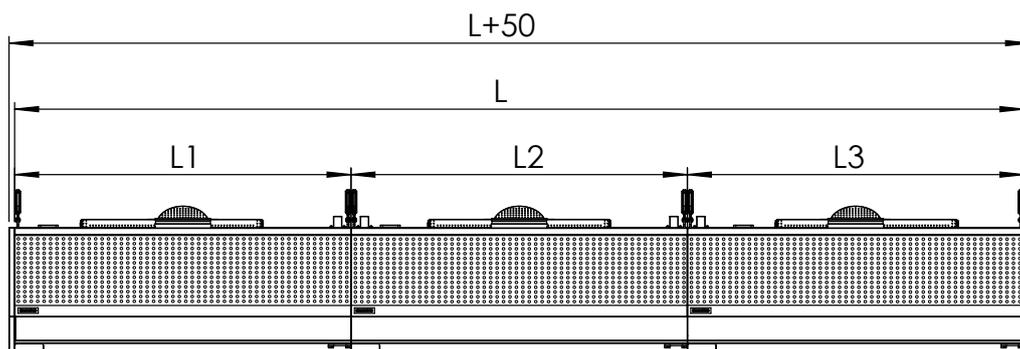
Section dimensions

Dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	900 (available with Spot LED) 1000, 1100, ..., 1900, 2000
H Height	400, 550, 400/550

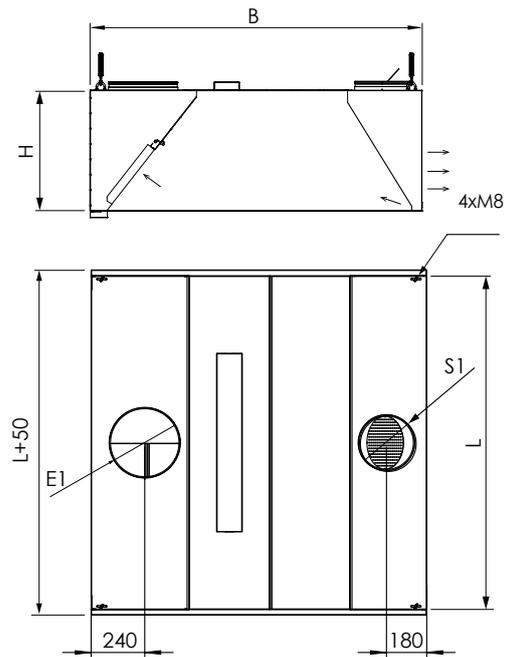


Canopy lengthening with modular sections

- Canopy consisting of several sections are made without a partition wall.
- The maximum size of one e is 2500x2000 mm.
- Preferred length dimensions are 1000, 1500, 2000 mm.
- For connecting the sections see the installation manual.



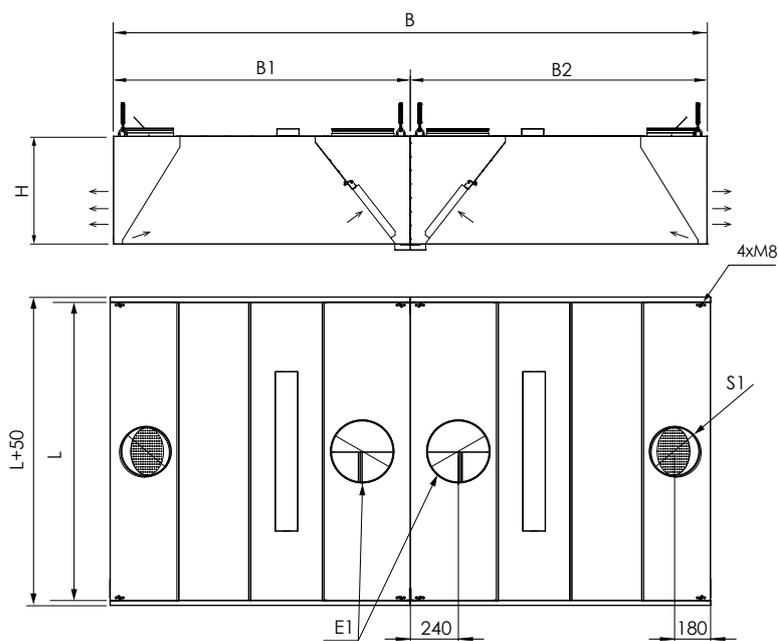
HR-C Wall installation, 1-part, E1 - one exhaust air chamber



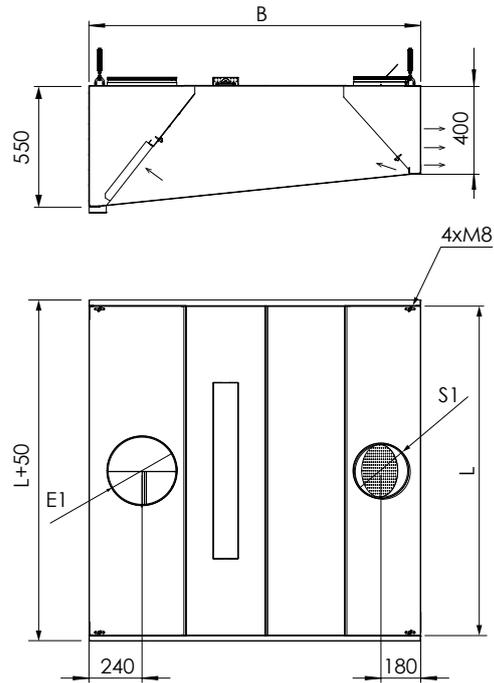
dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	900 (available with Spot LED) 1000, 1100, ..., 1900, 2000
H Height	400, 550
S1	160, 200, 250
E1	200, 250, 315

HR-C-2 island installation, 2-part, E1 - one exhaust air chamber

dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	1800 (available with Spot LED) 2000, 2200, ..., 3800, 4000
B1/B2 Width	900 (No lighting) 1000, 1100, ..., 1800
H Height	400, 550
S1	160, 200, 250
E1	200, 250, 315



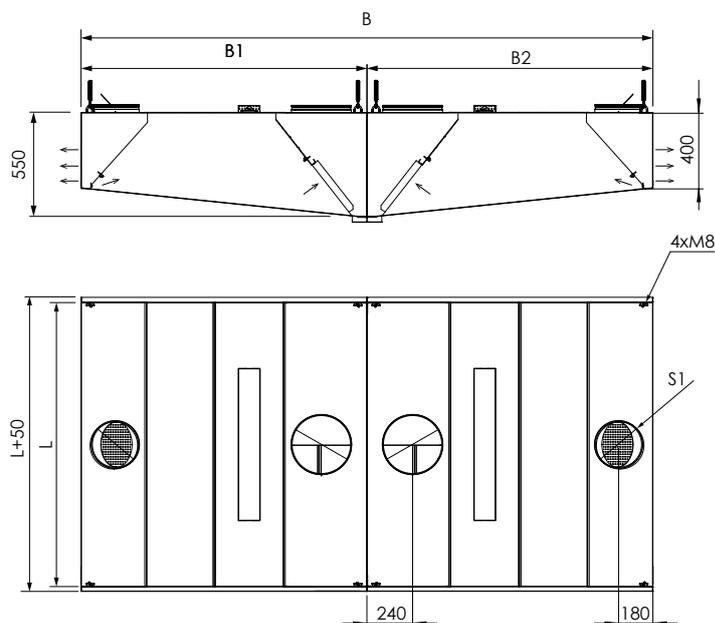
HR-C Trapezoid canopy wall installation, 1-part, E1 - one exhaust air chamber



Dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	900 (available with Spot LED) 1000, 1100, ..., 1900, 2000
H Height	400/550
S1	160, 200, 250
E1	200, 250, 315

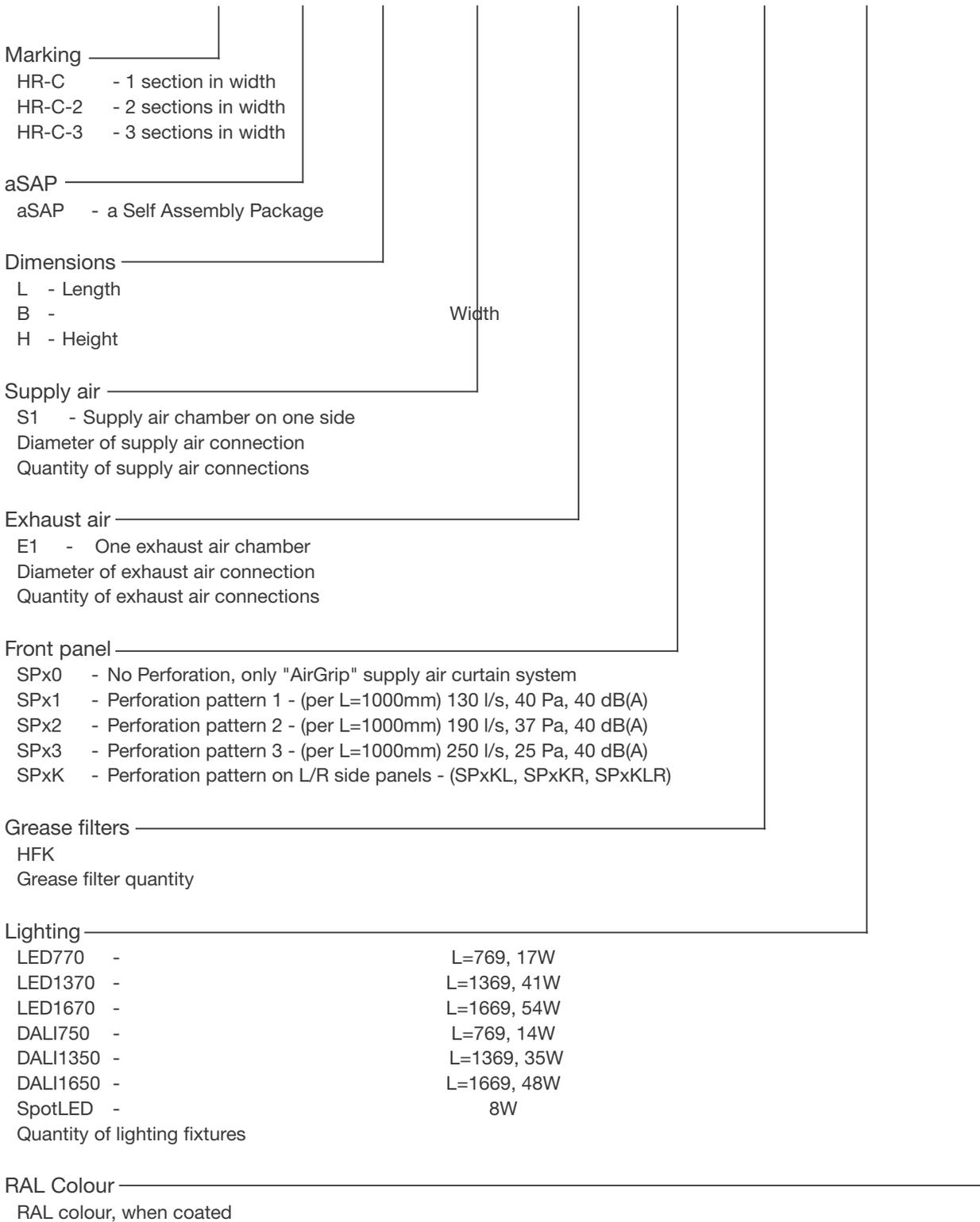
HR-C-2 Trapezoid canopy island installation, 2-parts, E1 - one exhaust air chamber

dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	1800 (available with Spot LED) 2000, 2200, ..., 3800, 4000
B1/B2 Width	900 (No lighting) 1000, 1100, ..., 1800
H Height	400/550
S1	160, 200, 250
E1	200, 250, 315



Product marking

HR-C - aSAP - LxBxH - S1=dxn - E4=dxn - SPx0 - HFKxn - LED770xn - RAL 9005



Example: HR-C 4000x1500x550 - S1=250x4 - E1=315x2 - SPx2 - HFKx6 - LED1670x2

HR-C-aSAP 4000x1500x550 - S1=250x4 - E1=315x2 - SPx2 - HFKx6 - LED1670x2 - RAL9005

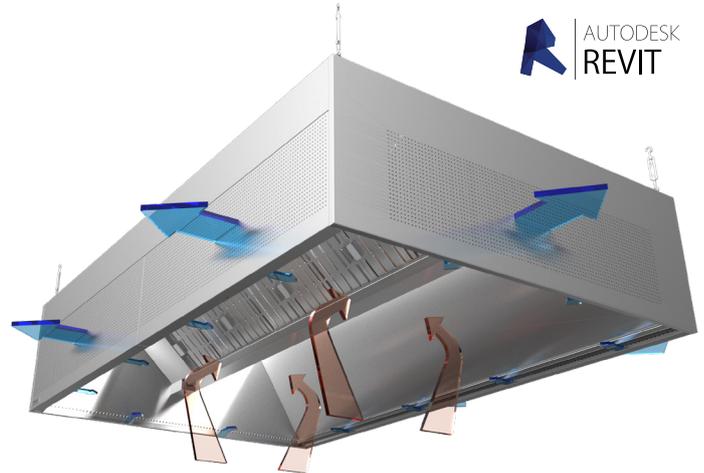
HR-V Grease canopy - island

HR-V kitchen canopy ensures a clean, hygienic and comfortable work environment by removing pollutants, excessive heat and grease from your commercial kitchen operation. The same unit supplies fresh replacement air into the room to provide ultimate worker comfort.



Operation

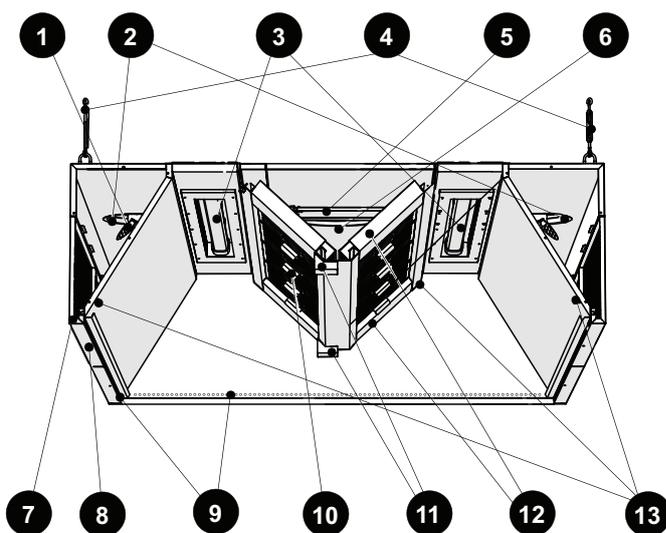
- Supply air is supplied into the room through the front panel of the kitchen canopy (also through its side panels if desired) providing fresh air in the vicinity of the kitchen staff.
- Air supplied by the "AirGrip" air intake system along the lower perimeter of the canopy helps route the kitchen effluent into the grease filters. The grease then drains down from the filters into the collection channel leading to its collection container.



Recommended Data

Section length L	Extraction airflow l/s (Δp_{tot} 14-48 Pa)	Supply airflow (with "AirGrip" air nozzle system) per linear meter of panel, l/s			
		SPx1	SPx2	SPx3	Side panel
1000	280-520				
1500	420-780	10-61 Pa	10-40 Pa	10-28 Pa	10-40 Pa
2000	560-1040	71-175 l/s	110-220 l/s	165-275 l/s	22-40 l/s
2500	700-1300				

Construction



- 1 - Supply air adjustment plate
- 2 - Supply air connection
- 3 - Lighting
- 4 - Suspension points
- 5 - Exhaust air connection
- 6 - Exhaust air regulating plate
- 7 - Front panel
- 8 - Front panel lock
- 9 - "AirGrip" air nozzle system
- 10 - HFK grease filters
- 11 - Grease collection container
- 12 - Blind panel for grease filter rail
- 13 - Airflow measuring nipples

- The canopy is made from stainless steel (AISI 304, surface 2K).
- Duct connections are equipped with rubber gaskets.
- Supply air chambers are heat insulated to prevent condensation of steam on the inner surface of the canopy.
- The laser welded end walls of the exhaust chamber prevent the possible spillage of grease from the inside of the chamber, thereby reducing the possibility of bacteria forming in the joints of the parts.
- The side walls of the canopy are a closed structure and air tight allowing for routing supply air and the use of the "AirGrip" air capture on the sides, contributing thereby to more efficient removal of pollution.
- Easy-to-clean surfaces.
- Access to the chamber and the possibility to clean the supply pipes is ensured through the easy-to-remove front panel of the canopy. Exhaust pipes can be connected and insulated via the removable ceiling panel.
- A sectional canopy is supplied without partition walls.
- Adjustable suspension hooks are included.



Lighting

Professional kitchens require functional lighting to ensure that employees have a safe and effective work environment. ETS NORD professional kitchen canopies use the next generation of energy-efficient recessed LED fluorescent lamps and LED-Spot luminaires, which can save as much as 50% more energy compared to old technologies.

Grease removal canopies include light fixtures integrated into their ceilings, protected by an aluminum and glass casing. The size and number of light fixtures are determined by the size of the canopy, to ensure there is enough light output for the entire workspace.



Luminaries (standard), IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
1000 ≤ L < 1600	LED770	769	17	840	4000	80	2250
1600 ≤ L < 1900	LED1370	1350	41	840	4000	80	4900
L ≥ 1900	LED1670	1669	54	840	4000	80	6800

DALI LED luminaries, IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
900 ≤ L < 1500	DALI750	750	14	840	4000	80	2000
1500 ≤ L < 1800	DALI1350	1350	35	840	4000	80	5200
L ≥ 1800	DALI1650	1650	48	840	4000	80	7150

Spot LED lighting fixtures

Light colour (designation) - Cool White

Light colour - 4000 K

Housing material - Aluminium

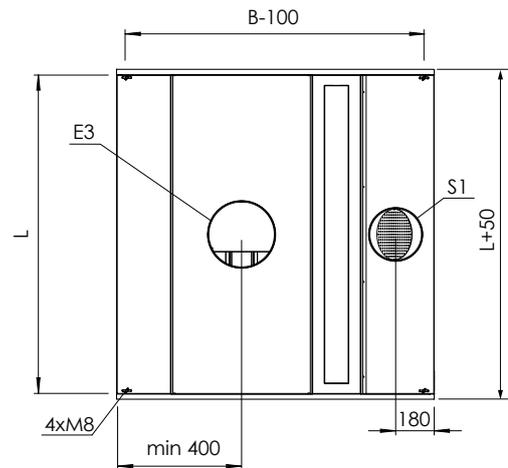
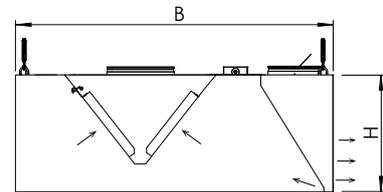
Colour separation index - > 80 (Ra)



Canopy section length (mm)	Spot LED Quantity	Energy use (W)	Flux (lm)	Radiation angle
1000 ≤ L <1500	2	16	1340	36°
1500 ≤ L <2000	3	24	2010	36°
L ≥2000	4	32	2680	36°

Section dimensions

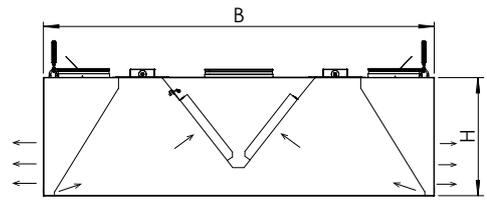
HR-V Wall installation, 1-part , S1 - supply air, E3 - with HCI exhaust air module



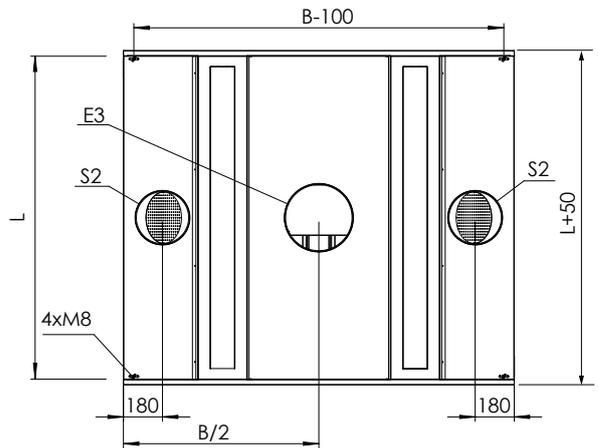
Section dimensions

L Length	1000, 1100, ..., 2400, 2500
B Width	1100 (No lighting) 1200 (available with Spot LED) 1300, 1400, ..., 1900, 2000
H Height	400, 550
S1	160, 200, 250
E3	200, 250, 315

HR-V Island installation, 1-part , S2 - supply air, E3 - with HCl exhaust air module

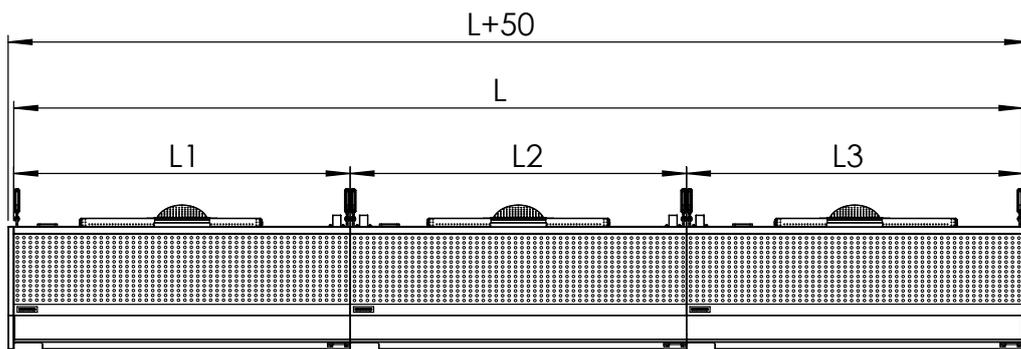
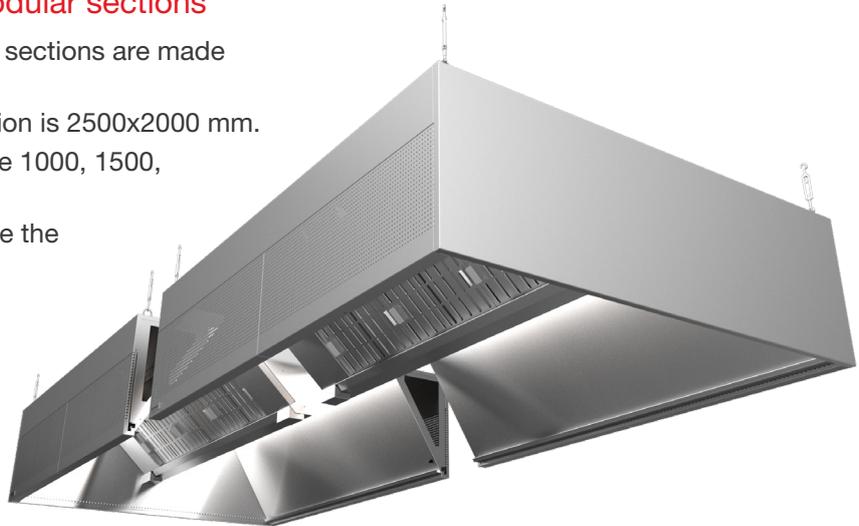


Section dimensions	
L Length	1000, 1100, ..., 2400, 2500
B Width	1500 (No lighting) 1600, 1700 (1 row lightings) B/2*=670 mm 1800, 1900, 2000 (2 row lightings)
H Height	400, 550
S2	160, 200, 250
E3	200, 250, 315



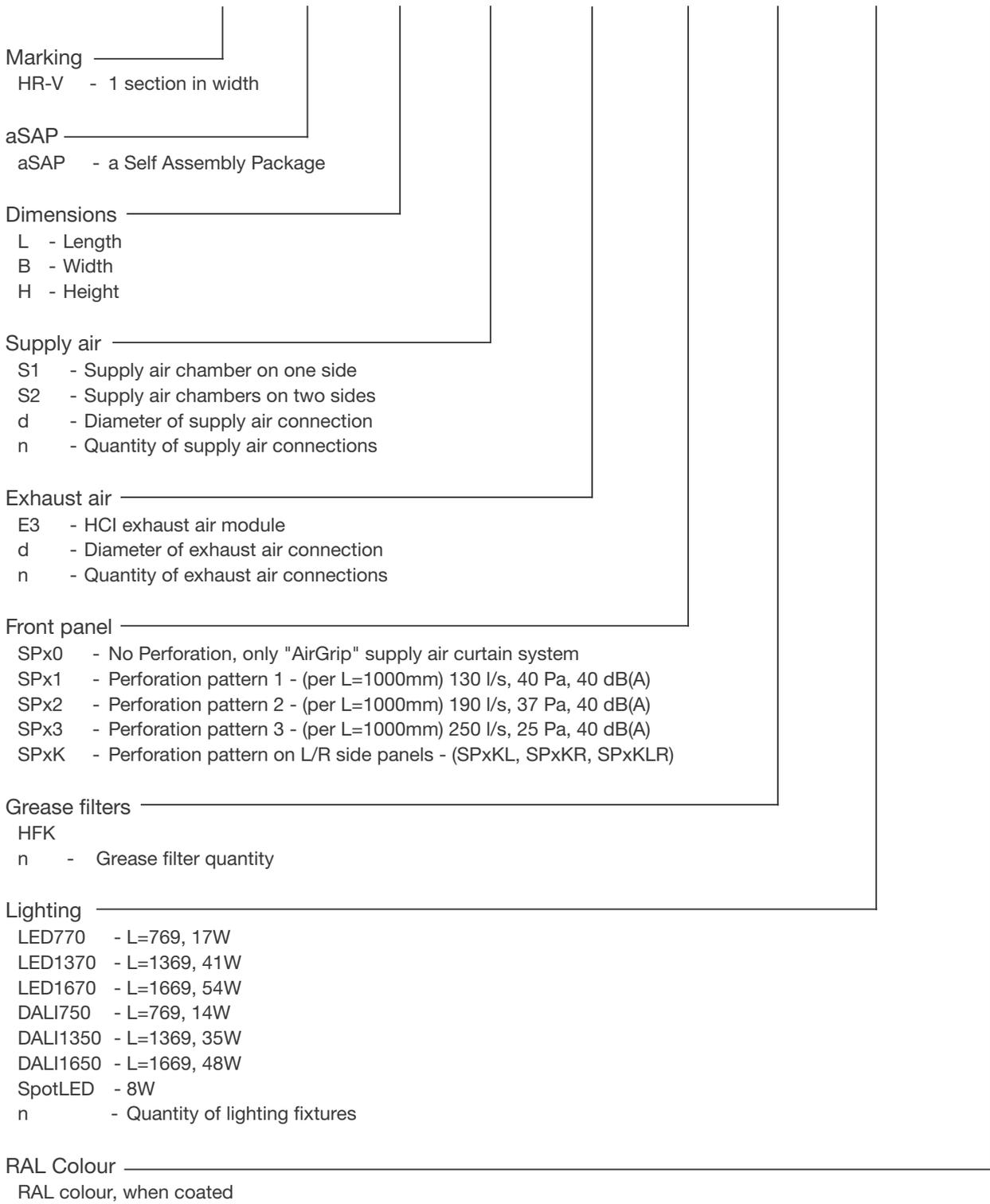
Canopy lengthening with modular sections

- Canopies consisting of several sections are made without a partition wall.
- The maximum size of one section is 2500x2000 mm.
- Preferred length dimensions are 1000, 1500, 2000 mm.
- For connecting the sections see the installation manual.



Product marking

HR-V - aSAP - LxBxH - S1=dxn - E4=dxn - SPx0 - HFKxn - LED770xn - RAL 9005



Example:

HR-V 3000x1800x550 - S2=250x8 - E3=400x2 - SPx2 - HFKx12 - LED770x4

HR-V-aSAP 3000x1500x550 - S1=250x4 - E3=400x2 - SPx2 - HFKx12 - LED770x2 - RAL9005

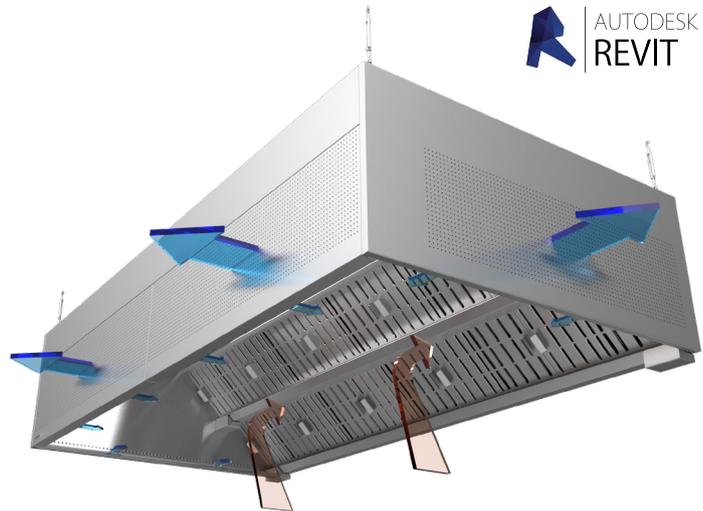
HR-G Grease canopy - HIGH CAPACITY

HR-G kitchen canopy ensures a clean, hygienic and comfortable work environment by removing pollutants, excessive heat and grease from your commercial kitchen operation. The same unit supplies fresh replacement air into the room to provide ultimate worker comfort.



Operation

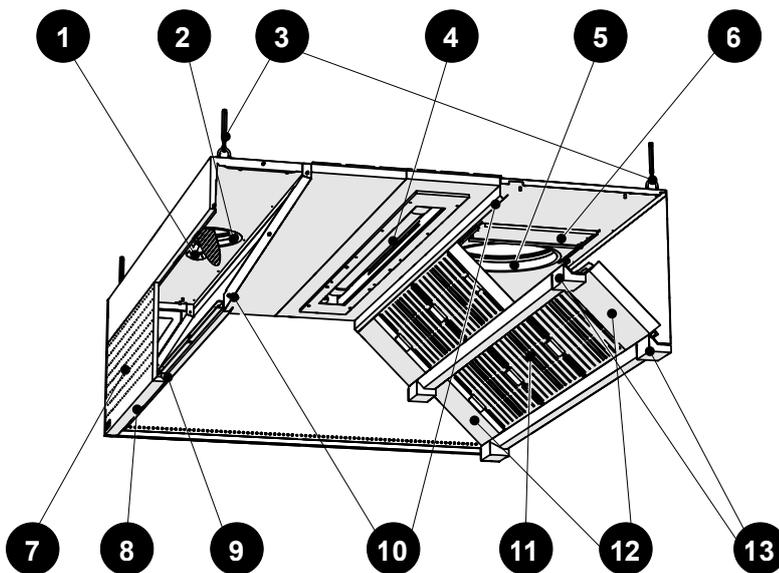
- Supply air is supplied into the room through the front panel of the kitchen canopy (also through its side panels if desired) providing fresh air in the vicinity of the kitchen staff.
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1000	280-520				
1500	420-780	10-61 Pa	10-40 Pa	10-28 Pa	10-40 Pa
2000	560-1040	71-175 l/s	110-220 l/s	165-275 l/s	22-40 l/s
2500	700-1300				

Construction



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- 2 - Supply air connection
- 3 - Suspension points
- 4 - Lighting
- 5 - Exhaust air connection
- 6 - Exhaust air regulating plate
- 7 - Front panel
- 8 - Front panel lock
- 9 - "AirGrip" air nozzle system
- 10 - Airflow measuring nipples
- 11 - HFK grease filters
- 12 - Blind panel for grease filter rail
- 13 - Grease collection container

- The canopy is made from stainless steel (AISI 304, surface 2K).
- Duct connections are equipped with rubber gaskets.
- Supply air chambers are heat insulated to prevent condensation of steam on the inner surface of the canopy.
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Luminaries (standard), IP66

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1600 ≤ L < 1900	LED1370	1350	41	840	4000	80	4900
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DALI LED luminaries, IP66

Canopy length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
900 ≤ L < 1500	DALI750	750	14	840	4000	80	2000
1500 ≤ L < 1800	DALI1350	1350	35	840	4000	80	5200
L ≥ 1800	DALI1650	1650	48	840	4000	80	7150

Spot LED lighting fixtures

Light colour (designation) - Cool White

Light colour - 4000 K

Housing material - Aluminium

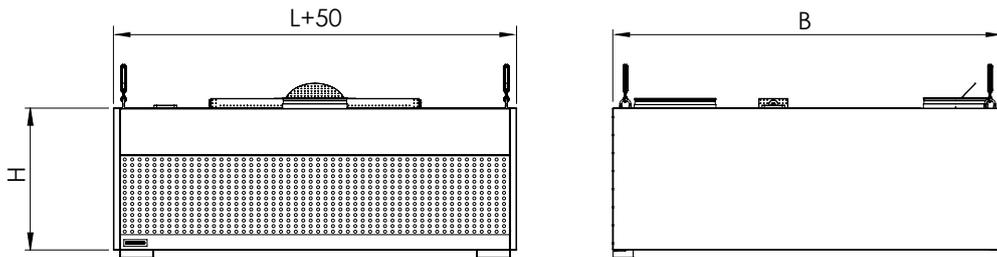
Colour separation index - > 80 (Ra)



Canopy section length (mm)	Spot LED Quantity	Energy use (W)	Flux (lm)	Radiation angle
1000 ≤ L <1500	2	16	1340	36°
1500 ≤ L <2000	3	24	2010	36°
L ≥2000	4	32	2680	36°

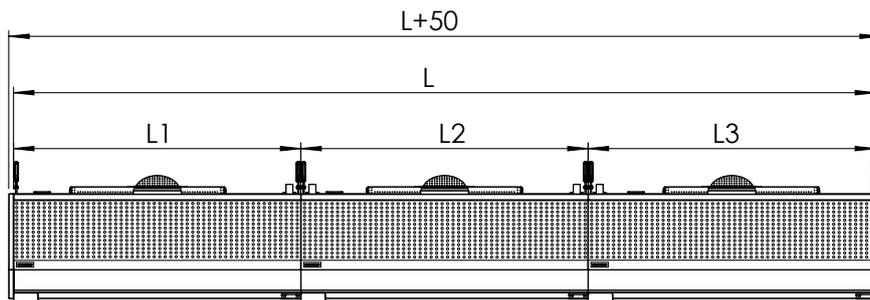
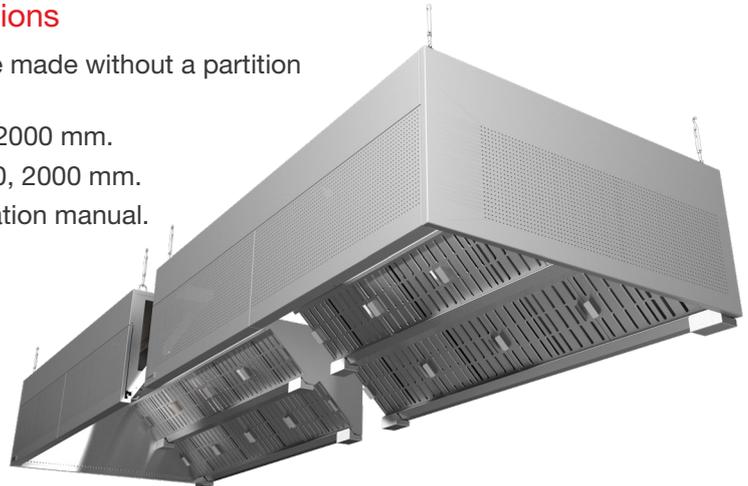
Section dimensions

Dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	1100 (available with Spot LED) 1200, 1300, ..., 1900, 2000
H Height	400, 550, 400/550

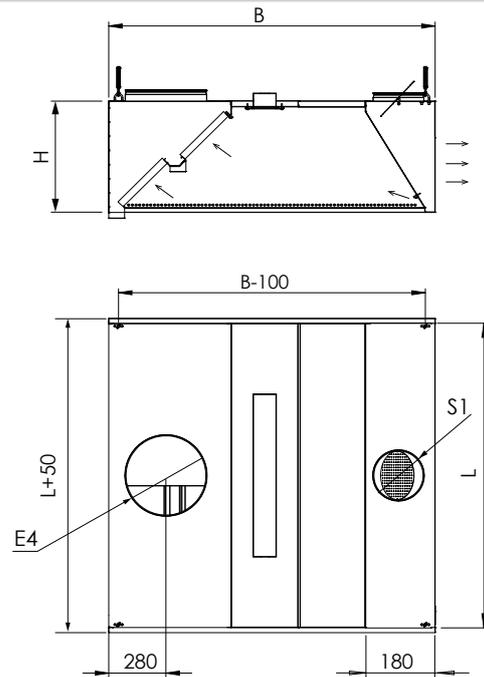


Canopy lengthening with modular sections

- Canopies consisting of several sections are made without a partition wall.
- The maximum size of one section is 2500x2000 mm.
- Preferred length dimensions are 1000, 1500, 2000 mm.
- For connecting the sections see the installation manual.



HR-G Wall installation, 1-part, E4 - one exhaust air chamber, HFK filters in dual row



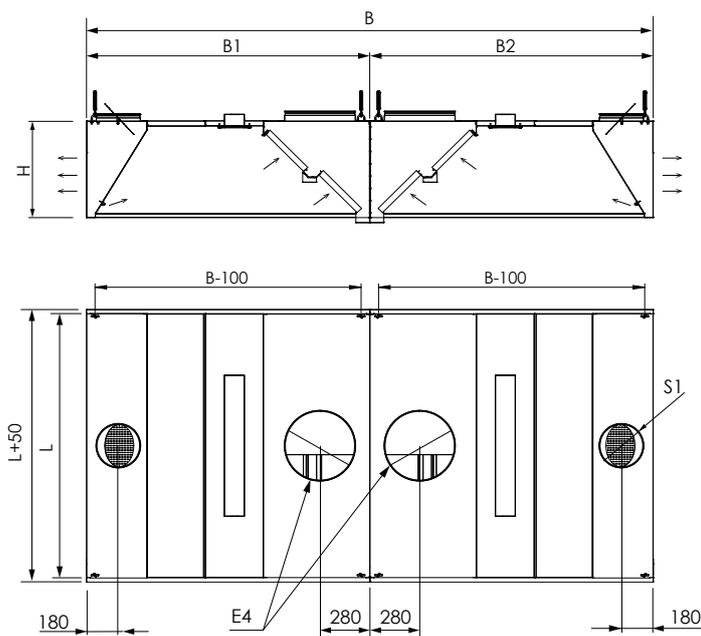
Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	1100 (available with Spot LED) 1200, 1300, ..., 1900, 2000
H Height	550
S1	160, 200, 250
E4	200, 250, 315, 400

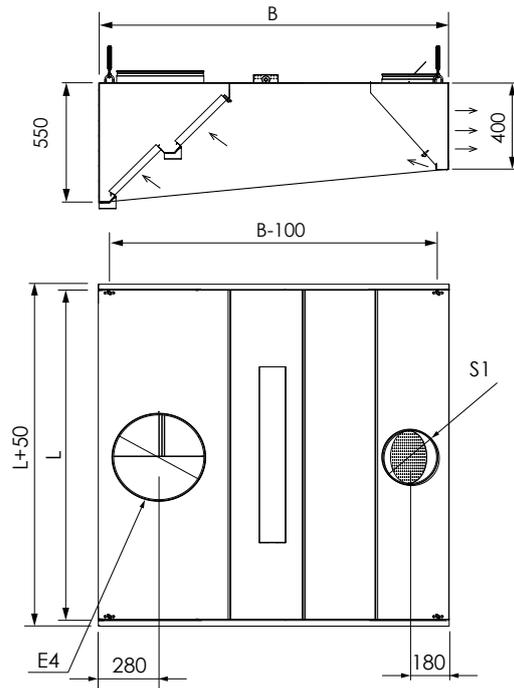
HR-G-2 island installation, 2-part, E4 - one exhaust air chamber, HFK filters in dual row

Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	2200 (available with Spot LED) 2400, 2600, ..., 3800, 4000
B1/B2 Width	1100 (available with Spot LED) 1200, 1300, ..., 1900, 2000
H Height	550
S1	160, 200, 250
E4	200, 250, 315, 400



HR-G Trapezoid canopy wall installation, 1-part, E4 - one exhaust air chamber, HFK filters in dual row



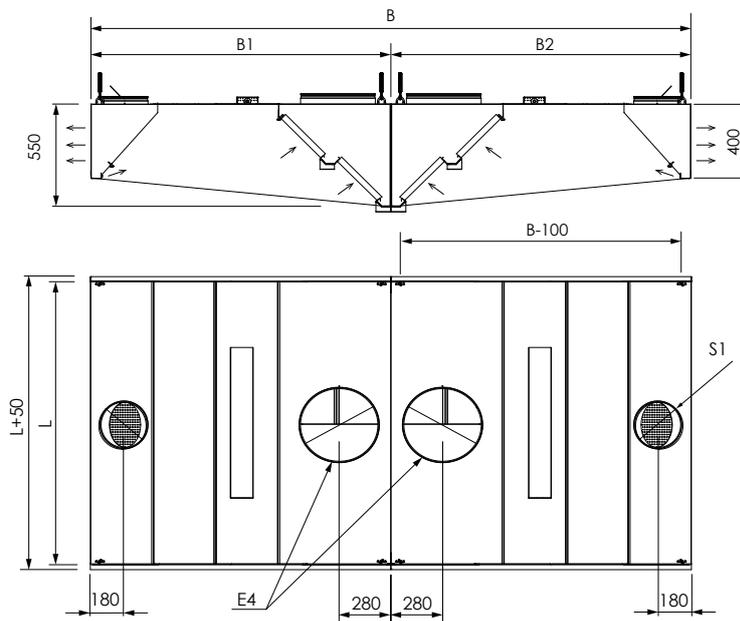
Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	1100 (available with Spot LED) 1200, 1300, ..., 1900, 2000
H Height	400/550
S1	160, 200, 250
E4	200, 250, 315, 400

HR-G-2 Trapezoid canopy island installation, 2-parts, E4 - one exhaust air chamber, HFK filters in dual row.

Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	2200 (available with Spot LED) 2400, 2600, ..., 3800, 4000
B1/B2 Width	1100 (available with Spot LED) 1200, 1300, ..., 1900, 2000
H Height	400/550
S1	160, 200, 250
E4	200, 250, 315, 400



Product marking

HR-G - aSAP - LxBxH - S1=dxn - E4=dxn - SPx0 - HFKxn - LED770xn - RAL 9005

Marking

- HR-G - 1 section in width
- HR-G-2 - 2 sections in width

aSAP

- aSAP - a Self Assembly Package

Dimensions

- L - Length
- B - Width
- H - Height

Supply air

- S1 - Supply air chamber on one side
- d - Diameter of supply air connection
- n - Quantity of supply air connections

Exhaust air

- E4 - HFK filters in dual row
- d - Diameter of exhaust air connection
- n - Quantity of exhaust air connections

Front panel

- SPx0 - No Perforation, only "AirGrip" supply air curtain system
- SPx1 - Perforation pattern 1 - (per L=1000mm) 130 l/s, 40 Pa, 40 dB(A)
- SPx2 - Perforation pattern 2 - (per L=1000mm) 190 l/s, 37 Pa, 40 dB(A)
- SPx3 - Perforation pattern 3 - (per L=1000mm) 250 l/s, 25 Pa, 40 dB(A)
- SPxK - Perforation pattern on L/R side panels - (SPxKL, SPxKR, SPxKLR)

Grease filters

- HFK
- n - Grease filter quantity

Lighting

- LED770 - L=769, 17W
- LED1370 - L=1369, 41W
- LED1670 - L=1669, 54W
- DALI750 - L=769, 14W
- DALI1350 - L=1369, 35W
- DALI1650 - L=1669, 48W
- SpotLED - 8W
- n - Quantity of lighting fixtures

RAL Colour

- RAL colour, when coated

Example:

HR-G 4000x3000x550 - S1=250x12 - E4=400x4 - SPx3 - HFKx24 - LED1670x4

HR-G-aSAP 4000x3000x550 - S1=250x12 - E4=400x4 - SPx3 - HFKx24 - LED1670x4 - RAL9005

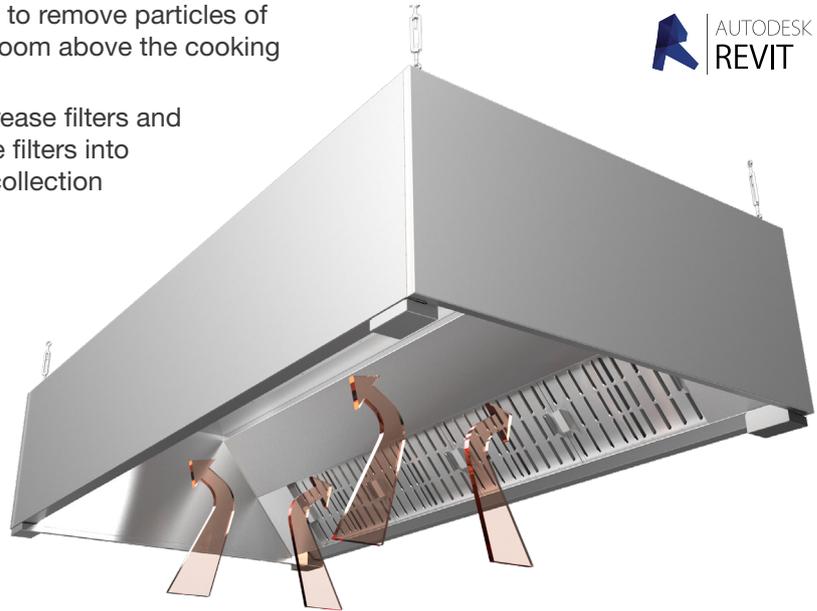
HR-E Grease canopy - dual exhaust

The kitchen canopy ensures a clean, hygienic and comfortable work environment by removing pollutants, excessive heat and grease from your commercial kitchen operation.



Operation

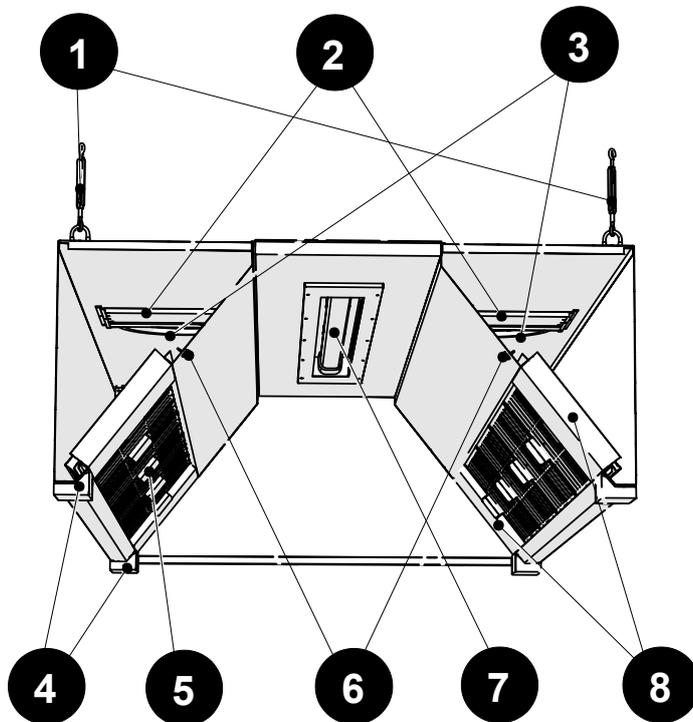
- The function of the kitchen canopy is to remove particles of heat, grease and other dirt from the room above the cooking appliances.
- Contaminated air is drawn into the grease filters and the grease drains then down from the filters into the collection channel leading to its collection container.



Recommended Data

Length L	Extraction airflow l/s (Δp_{tot} 14-48 Pa)
1000	280-520
1500	420-780
2000	560-1040
2500	700-1300

Construction



- 1 - Suspension points
- 2 - Exhaust air connection
- 3 - Exhaust air regulating plate
- 4 - Grease collection container
- 5 - HFK grease filters
- 6 - Airflow measuring nipples
- 7 - Lighting
- 8 - Blind panel for grease filter rail

- The canopy is made from stainless steel (AISI 304, surface 2K).
- Duct connections are equipped with rubber gaskets.
- The laser welded end walls of the exhaust chamber prevent the possible spillage of grease from the inside of the chamber, thereby reducing the possibility of bacteria forming in the joints of the parts.
- The side walls of the canopy are a closed structure and air tight.
- Easy-to-clean surfaces.
- Exhaust pipes can be connected and insulated via the removable ceiling panel.
- A sectional canopy is supplied without partition walls.
- Adjustable suspension hooks are included.



Lighting

Professional kitchens require functional lighting to ensure that employees have a safe and effective work environment. ETS NORD professional kitchen canopies use the next generation of energy-efficient recessed LED fluorescent lamps and LED-Spot luminaires, which can save as much as 50% more energy compared to old technologies.

Grease removal canopies include light fixtures integrated into their ceilings, protected by an aluminum and glass casing. The size and number of light fixtures are determined by the size of the canopy, to ensure there is enough light output for the entire workspace.



Luminaries (standard), IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
1000 ≤ L <1600	LED770	769	17	840	4000	80	2250
1600 ≤ L <1900	LED1370	1350	41	840	4000	80	4900
L ≥1900	LED1670	1669	54	840	4000	80	6800

DALI LED luminaries, IP66

Canopy section length (mm)	Luminaries	Lighting length (mm)	Energy use (W)	Light color	Color temperature (K)	Color rendering index (Ra)	Flux (lm)
900 ≤ L <1500	DALI750	750	14	840	4000	80	2000
1500 ≤ L <1800	DALI1350	1350	35	840	4000	80	5200
L ≥1800	DALI1650	1650	48	840	4000	80	7150

Spot LED lighting fixtures

Light colour (designation) - Cool White

Light colour - 4000 K

Housing material - Aluminium

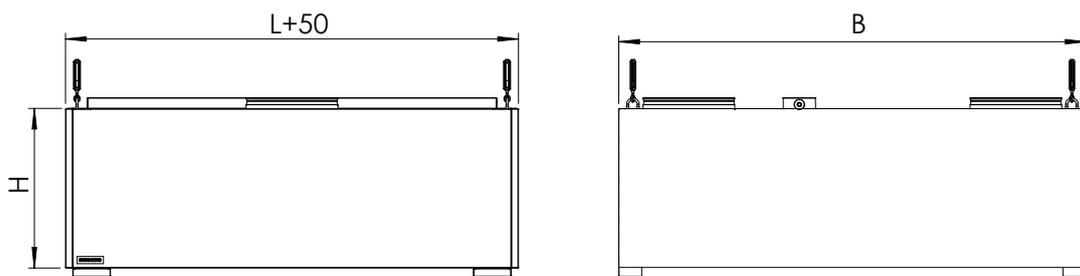
Colour separation index - > 80 (Ra)



Canopy section length (mm)	Spot LED Quantity	Energy use (W)	Flux (lm)	Radiation angle
$1000 \leq L < 1500$	2	16	1340	36°
$1500 \leq L < 2000$	3	24	2010	36°
$L \geq 2000$	4	32	2680	36°

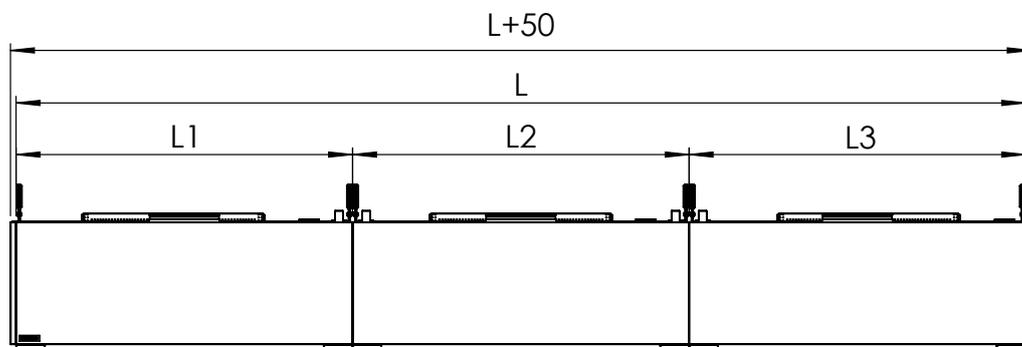
Section dimensions

Dimensions, mm	
L Length	1000, 1100, ..., 2400, 2500
B Width	1000 (available with Spot LED) 1100, 1200, ..., 1900, 2000
H Height	400, 550

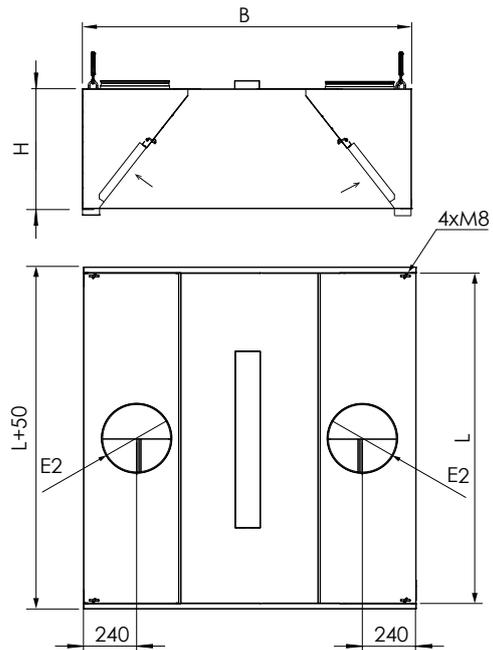


Canopy lengthening with modular sections

- Canopies consisting of several sections are made without a partition wall.
- The maximum size of one section is 2500x2000 mm.
- Preferred length dimensions are 1000, 1500, 2000 mm.
- For connecting the sections see the installation manual.



HR-E-E2 Wall installation, 1-part, E2 - two exhaust air chambers



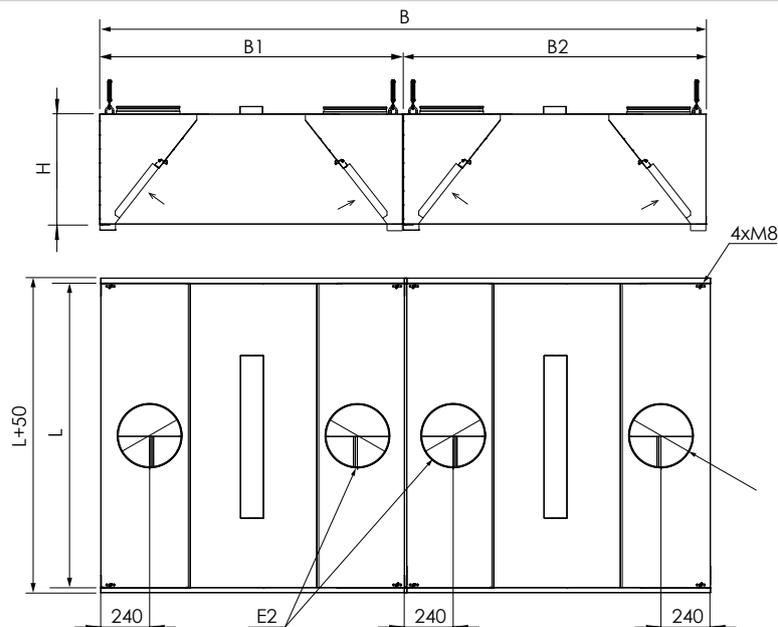
Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	1000 (available with Spot LED) 1100, 1200 ..., 1900, 2000
H Height	400, 550
E2	200, 250, 315

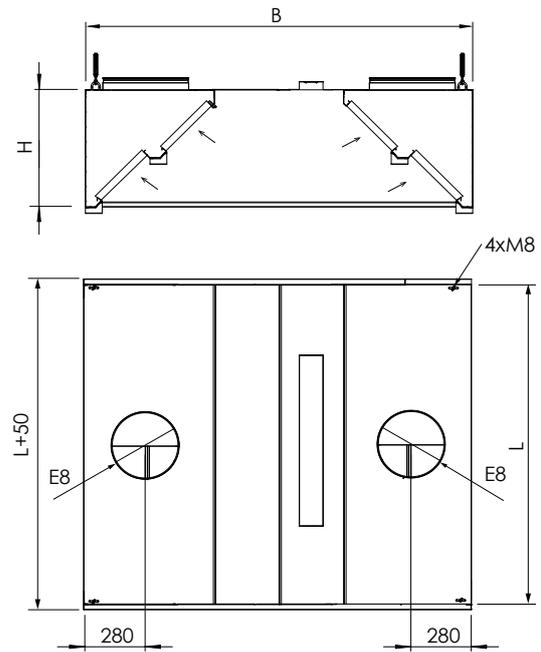
HR-E-2-E2 island installation, 2-part, E2 - two exhaust air chambers

Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	2000 (available with Spot LED) 2200, 2200, ..., 3800, 4000
B1/B2 Width	1000 (available with Spot LED) 1100, 1200, ..., 2000
H Height	400, 550
E2	200, 250, 315



HR-E-E8 Wall installation, 1-part, E8 - two exhaust air chambers, filters in dual row



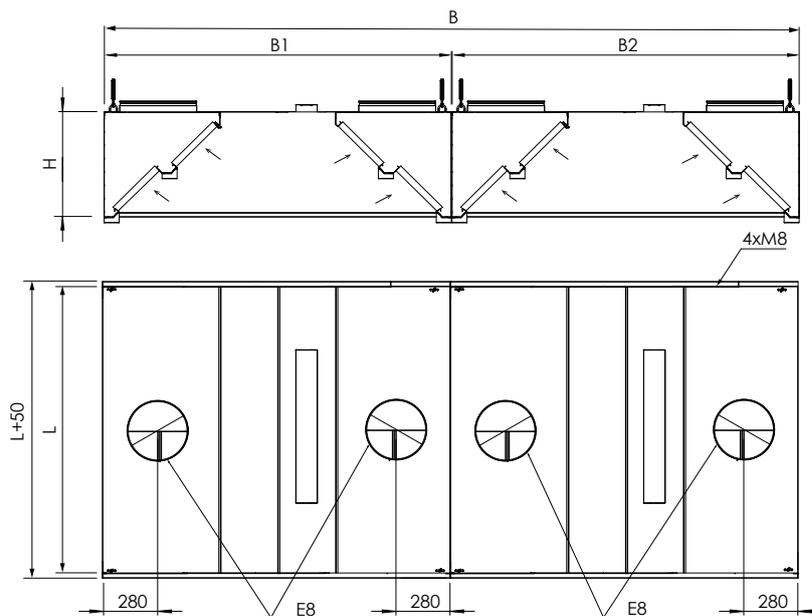
Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	1300 (available with Spot LED) 1400, 1500 ..., 1900, 2000
H Height	550
E8	200, 250, 315, 400

HR-E-2-E8 island installation, 2-part, E8 - two exhaust air chambers, filters in dual row

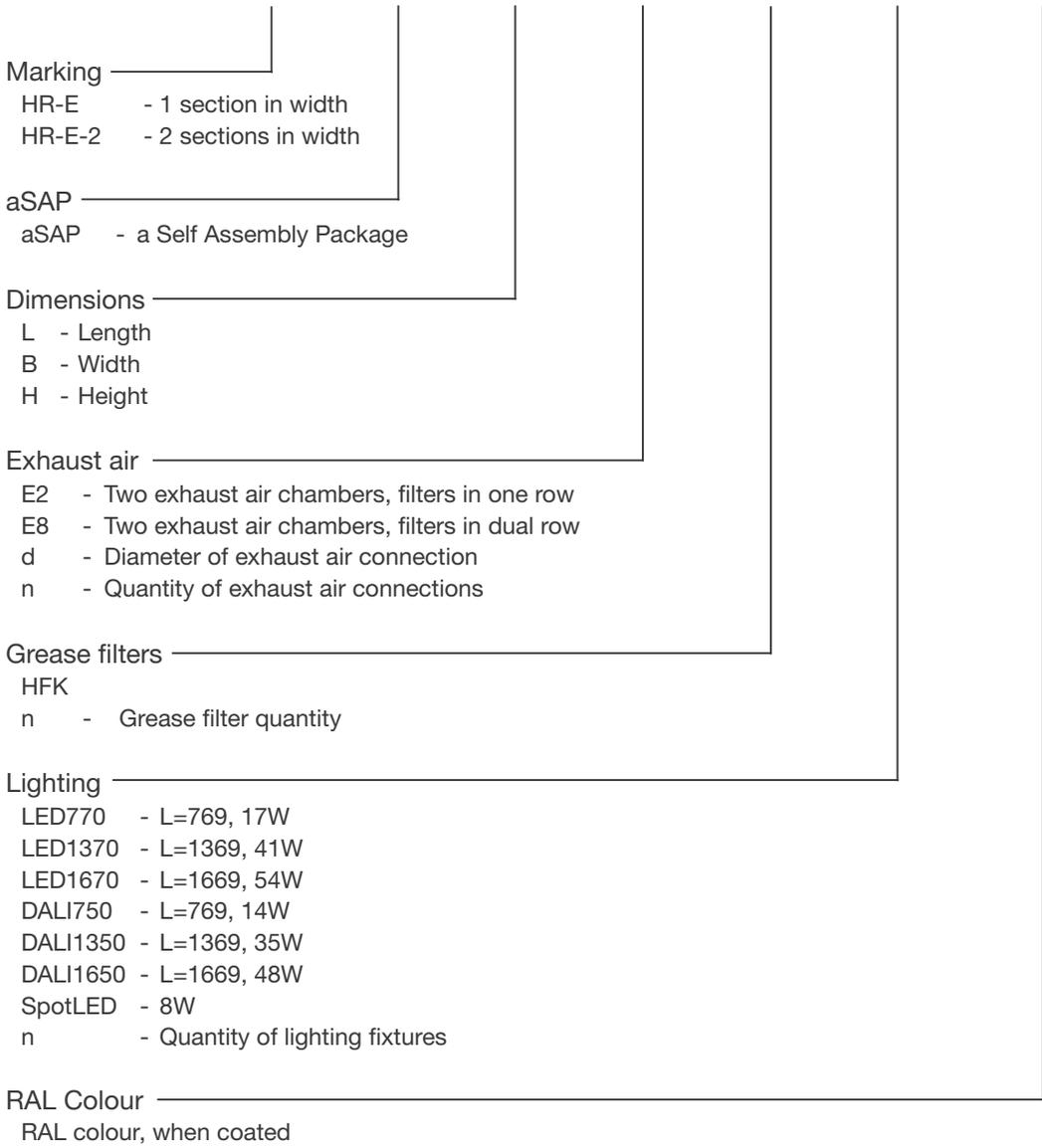
Section dimensions, mm

L Length	1000, 1100, ..., 2400, 2500
B Width	2600 (available with Spot LED) 2800, 3000, ..., 3800, 4000
B1/B2 Width	1300 (available with Spot LED) 1400, 1500, ..., 2000
H Height	550
E8	200, 250, 315, 400



Product marking

HR-E - aSAP - LxBxH - E4=dxn - HFKxn - LED770xn - RAL 9005



Example:

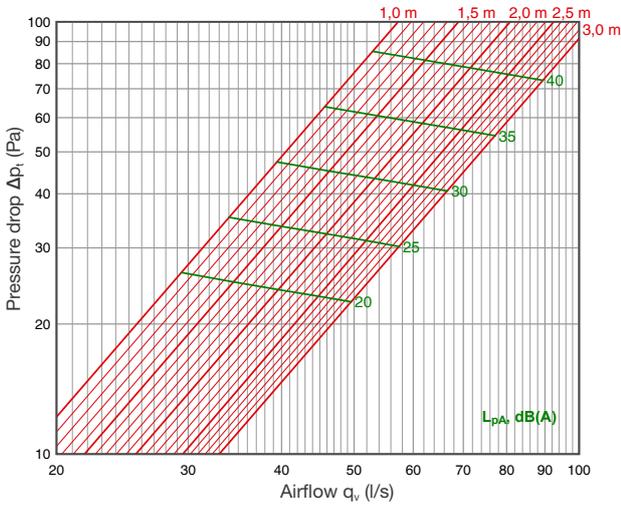
HR-E 3000x1500x550 - E2=315x4 - HFKx12 - LED770x2

HR-E-aSAP 3000x1500x550 - E2=315x4 - HFKx12 - LED770x2 - RAL9005

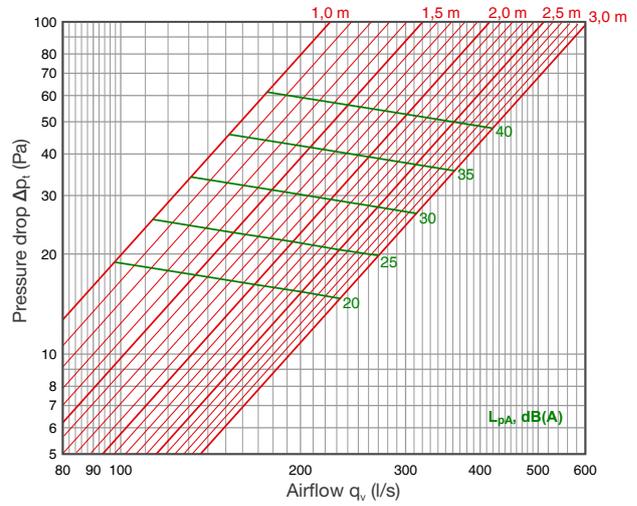
HR Canopy Technical Data

The supply panels always contain the "AirGrip" air capture system.

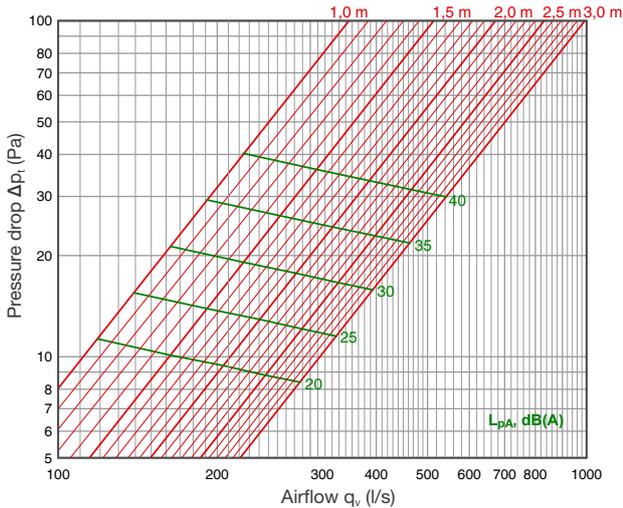
Supply air: "AirGrip"



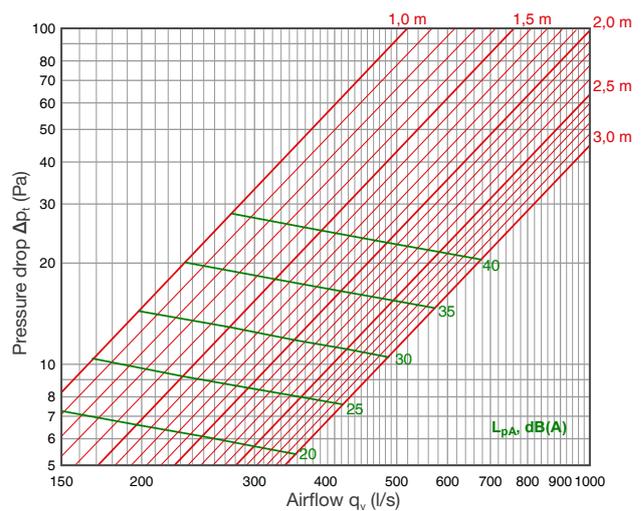
Supply air: SPx1



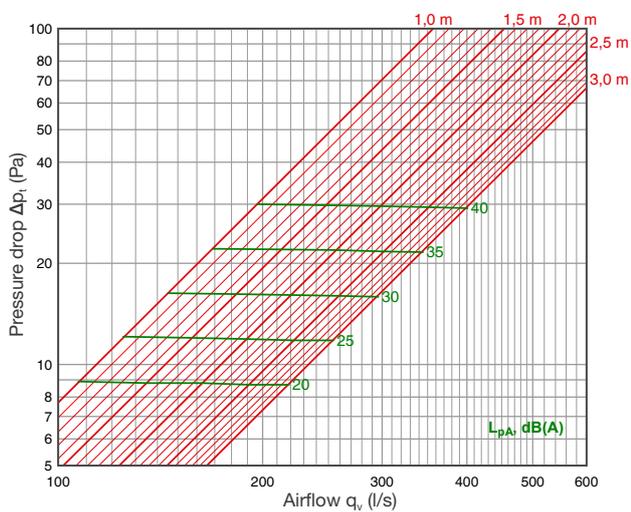
Supply air: SPx2



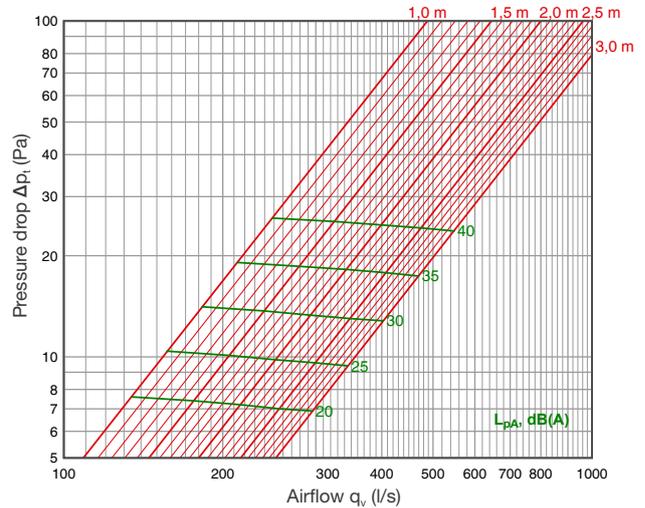
Supply air: SPx3



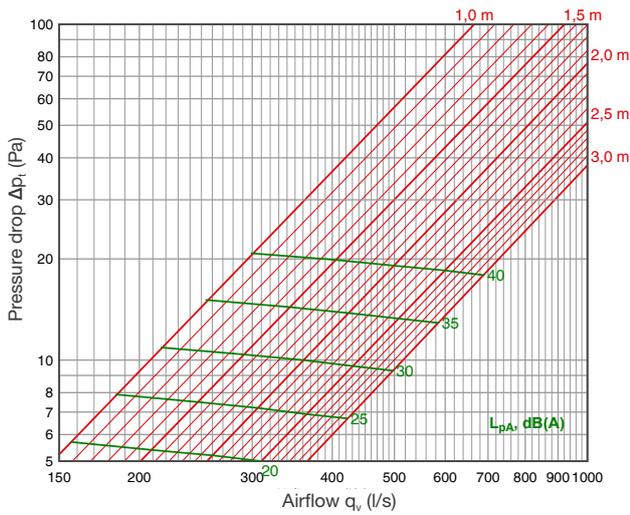
Supply air: SPx1+side panels



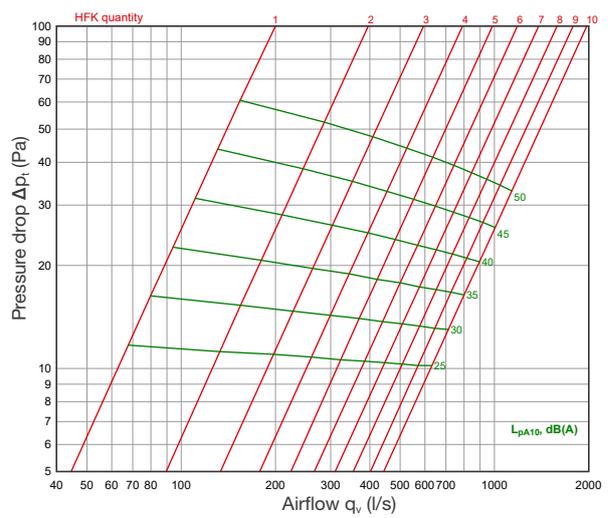
Supply air: SPx2+side panels



Supply air: SPx3+side panels



HFK - grease filter



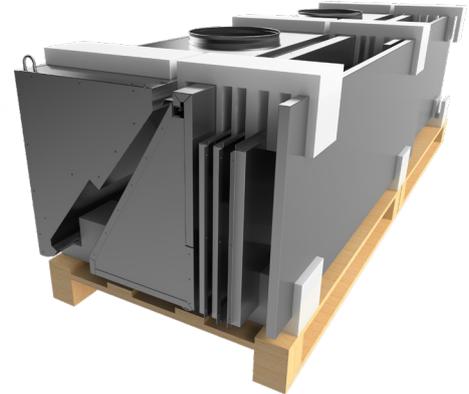
Acoustic data

Supply air	Correction of sound level K_{okt} [dB]							
	(Hz)							
	63	125	250	500	1000	2000	4000	8000
"AirGrip"	-6	-8	-5	-3	0	-1	-7	-20
SPx1	-1	0	3	2	-1	-3	-11	-23
SPx2	0	1	5	4	-1	-8	-20	-27
SPx3	7	5	6	4	-2	-13	-21	-30
SPx1+side panels	-1	-1	2	2	0	-5	-15	-28
SPx2+side panels	3	1	5	4	-1	-9	-21	-27
SPx3+side panels	8	5	6	4	-3	-13	-22	-30
	± 4 dB	± 4 dB	± 4 dB	± 2 dB				

HR Options & Accessories

aSAP solution – a Self Assembly Package

- When access to the job site or kitchen space is limited, an ETS NORD aSAP self-assembly package can be the perfect solution.
- Narrow passageways and complex floor plans no longer get in the way!
- This is a compact, easy to ship, 5-step assembly version of our canopies to be put together at the job site.
- The canopy is delivered as ready-made sections with installation instructions.



CP Cover plates

Cover plates are made of stainless steel (AISI 304, surface 2K).

Cover plates are mounted in the area between the canopy and ceiling, when conduits and other components are to be concealed.

- CP-F – Front plate
- CP-B – Back plate
- CP-L – Left plate
- CP-R – Right plate



FET "Helping Hand" filter removal tool

- With the ETS NORD "Helping Hand" filter tool, professional kitchen operators can safely and easily service their grease filters.
- Helping Hand allows grease filters to be removed and replaced without the cumbersome need to climb on or reach over kitchen equipment.
- The daily filter washing process is significantly simplified, thus ensuring its completion by the responsible staff.
- The tool's length is fully adjustable, thereby enhancing ergonomic comfort.



HFK Grease Filter

HFK is a high efficiency grease filter designed for use in ventilation canopies of commercial kitchens or other food production facilities. They are positioned in the canopy exhaust plenum above cooking appliances (stoves, grills, etc.) and separate grease and other particles out from the exhaust air stream.

The ETS NORD HFK grease filter is protected by utility patent no. 01310.



- High efficiency captures 97% of 10 micron particles
- Functions well even with variable air volume systems
- Low pressure drop provides energy-efficient operation
- Flame resistance class A according to DIN 18869-5
- Easy to maintain

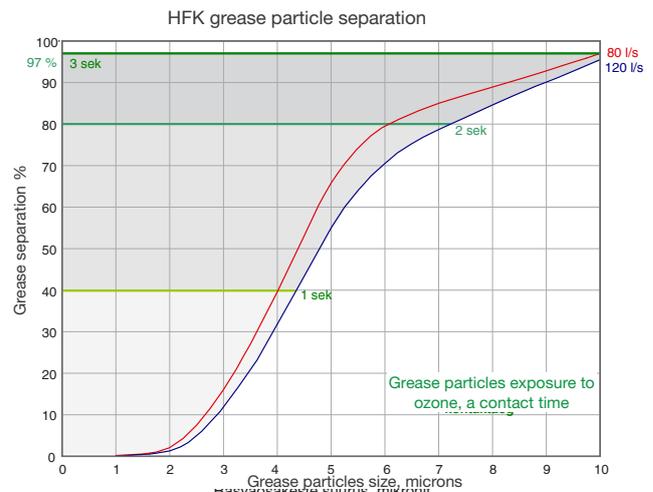
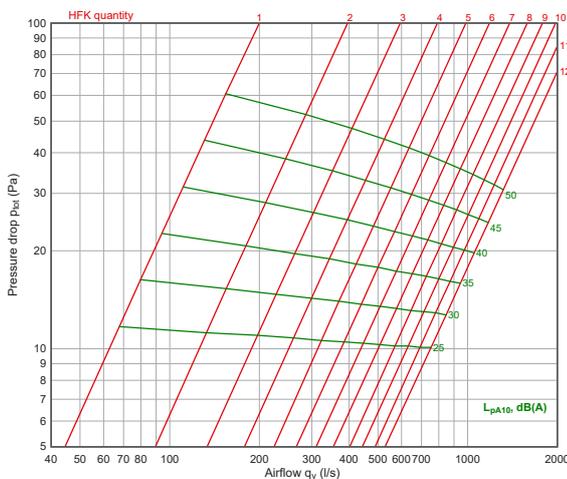
Material and Design

HFK filters are manufactured from AISI 304 stainless steel. They are assembled with rivets to ensure their durability through many years of use in challenging kitchen environments.

Operation

The greasy effluent from cooking appliances is pulled through the openings in the front panel of the filter. Our patented double-triangular cross-section within the chamber causes a high speed centrifugal swirling of the air. The rapid change of trajectory of the grease particles causes them to collide with the filter surfaces, resulting in their effective separation from the air stream. The grease then drains from the filter down and into the grease collection channel of the canopy. The filtered air continues on into the kitchen exhaust system through the top and bottom orifices of the filter.

The optimal operating conditions of the HFK Grease Filter are under a pressure drop from 12-48 Pa with an airflow through each filter from 70-130 l/s, ensuring an energy efficient operation.





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Let's move the air together!