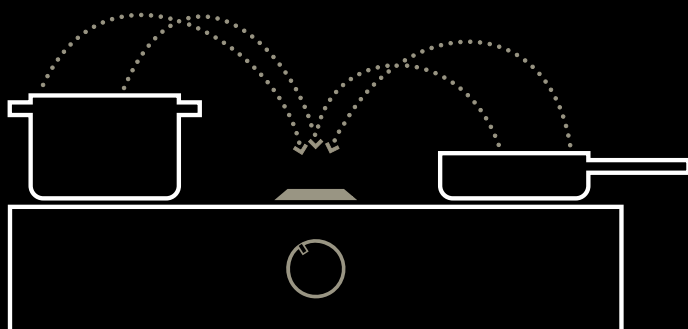


Ventilation handbook



Innovation not imitation.

I have worked in the kitchen industry for over 20 years and have never been happy with suspended extractor hoods. At first, this was for aesthetic reasons. Later, it was also due to how noisy and hard to clean they are as well as the unpleasant cooking vapours. To meet my customers' wishes, I devised the idea of the cooktop extractor. By constantly tinkering and experimenting, we created an innovative system that extracts cooking vapours downwards – and more effectively than conventional extractor hoods.

BORA cooktop extractors and cooktops have now impressed many demanding customers – and not just due to their superior technology and attractive design. It is also the system concept itself, whereby the cooktops and extractor are optimally coordinated, that meets ambitious amateur chefs' desires for an appealing kitchen design.

We created this ventilation handbook to meet the high demands of both your and our customers. It is aimed at all designers and installers of high-end kitchen solutions who offer their customers uncompromising quality and exceptional aesthetics. The pages that follow answer all kinds of questions in relation to our products and their perfect installation. Should you have any further questions or suggestions, please contact us directly.

Willi Bruckbauer

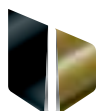
For the latest product information and more model plans, please visit <https://partner.bora.com>



reddot award 2017
best of the best



reddot design award
winner 2012



**german
brand
award
'16**
winner



**Deutschland
Land der Ideen**

Our products and company have received many prestigious awards, including the 'Deutscher Gründerpreis' (German Entrepreneurs' Award), the innovation initiative '365 Orte im Land der Ideen' (365 Places in the Land of Ideas), the 'red dot award' 2017 and 2012 and the 'Plus X Award' 2017 and 2015/2016.

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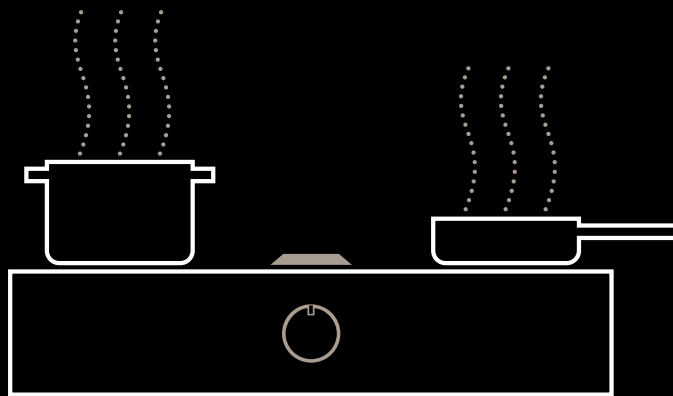
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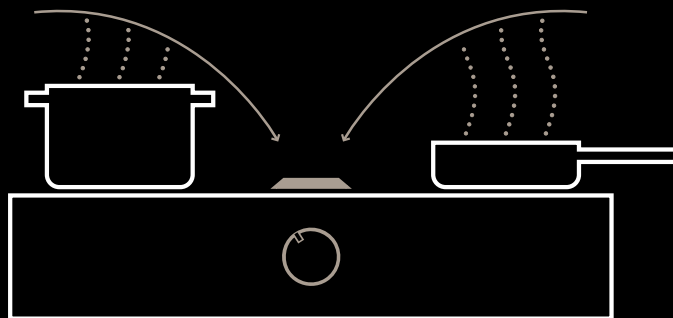
The BORA principle: or, physics can be so ingenious.

Instead of letting cooking vapours and odours rise in the first place, we extract them where they are created, directly drawing them away at the cooktop and from the pot, roaster or pan. We don't do this by magic, but by applying the basic principles of fluid mechanics. We simply use a cross flow which is greater than the speed at which the cooking vapours rise.

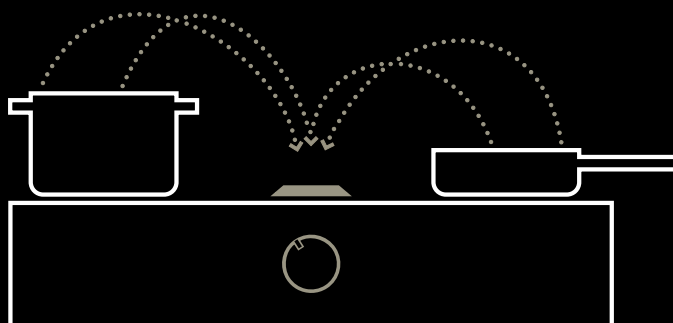
As a result, people can now enjoy kitchens in a whole new light: without annoying extractor hoods or loud noises right by their ears – and with a whole new level of freedom for kitchen design.



Kitchen vapours rise at a maximum speed of one metre per second.



The BORA cooktop extractor extracts downward at approx. four metres per second.



The higher cross flow suction captures away cooking vapours and odours effectively and immediately at the cooktop.

The BORA advantages



Fresh air:

Cooking with BORA is like cooking in the fresh air.



Quiet operation:

BORA is significantly quieter than conventional extractor hoods.



Simple cleaning:

BORA is easy to wipe down with a cloth and dishwasher safe.



Effectiveness:

BORA extracts effectively, prevents odours from being created and boasts an impressive cleanrate.



Best materials:

BORA offers impressive functionality and a long service life.



Design freedom:

BORA sets the standard for modern kitchen design.



Clear view:

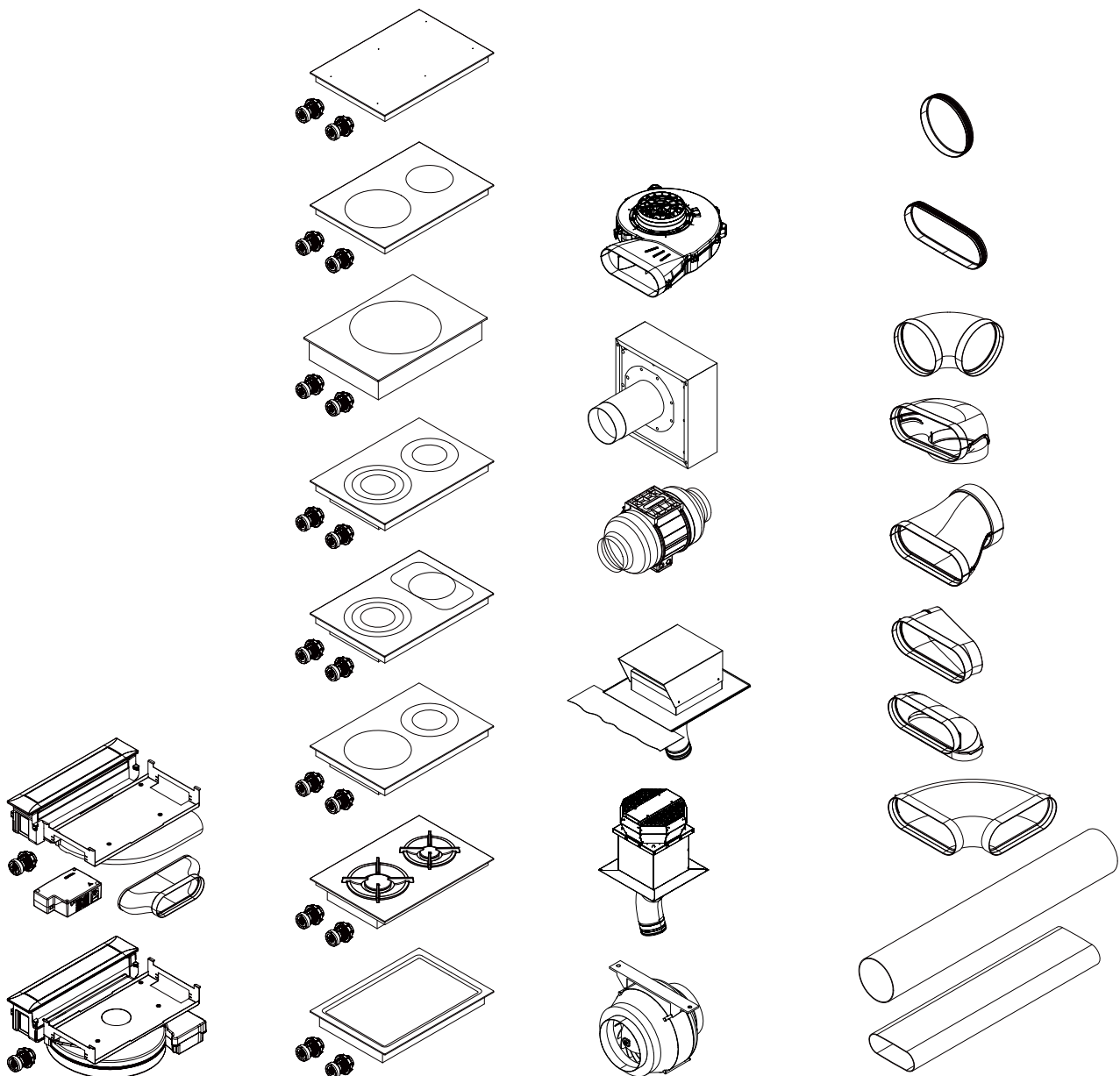
BORA works at the cooktop and does not get in the way at head height.



BORA Professional:

A professional system solution for all situations.

BORA cooktops and cooktop extractors are perfectly tailored to each other. Whether as exhaust air or recirculation models, you can rest assured that you have made the best choice for your ambitious kitchen design thanks to our premium-quality materials, best workmanship, streamlined design and, of course, particularly effective vapour extraction technology. Below is an overview of the simple and well-designed way in which all of the BORA components, from the cooktop to the external wall, fit together.



BORA cooktop extractors
Highly effective, extremely quiet and particularly attractive – BORA Professional cooktop extractors are perfectly aligned with BORA cooktops and offer an array of advantages.

From page 12

BORA cooktops
Whether induction, HiLight or gas – ambitious amateur chefs can choose from seven cooktops and one Tepan stainless steel grill with excellent performance data.

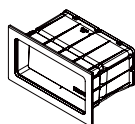
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BORA fan modules
High-performance technology for the plinth, wall and ceiling, optimally tailored to the conditions at hand.

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BORA Ecotube
Duct elements optimally tailored to the BORA cooktop extractors.

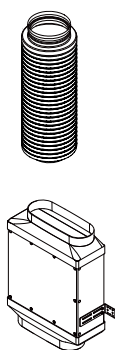
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Exhaust air

BORA 3box

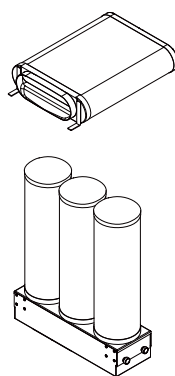
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BORA silencers

Effective sound insulation makes kitchens quieter and more relaxing than ever.

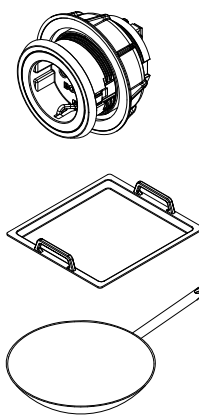
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BORA filter

Professional performance in recirculation mode for flexible use in individual kitchen designs.

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BORA universal articles

We offer professional quality down to the smallest detail.

From page 115

Recirculation

BORA Professional:

Product overview – cooktop extractors and cooktops

Advantages:

- Electrically controlled cover flap opens and closes automatically
- Compact unit with an integrated fan and an installation height of just 199 mm enables kitchens to be designed with floating worktops for the first time
- Simple cleaning thanks to the wide extraction opening and easily removable, dishwasher-safe filter and tray
- Intelligent control knob with integrated function programmes and digital display
- Cooktop and cooktop extractor communicate with one another and enable the extraction performance to be automatically controlled
- Powerful cooktops with an impressive depth of 54 cm and 20% more net cooking surface area than conventional cooktops
- Newly developed gas cooktop with deeper-set burners for optimum extraction and cooking performance

PKA
Cooktop extractor



PKAS
Cooktop extractor system



PKFI11

Surface induction glass ceramic cooktop



PKC32

HiLight glass ceramic cooktop: 3-ring/2-ring



PKI11

Induction glass ceramic cooktop



PKC3B

HiLight glass ceramic cooktop: 3-ring/roaster



PKG11

Gas glass ceramic cooktop



PKIW1

Induction glass ceramic wok cooktop



PKCH2

Hyper glass ceramic cooktop: 1-ring/2-ring

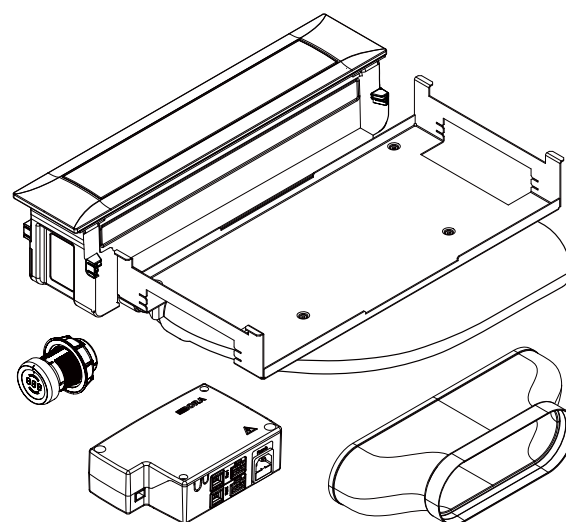
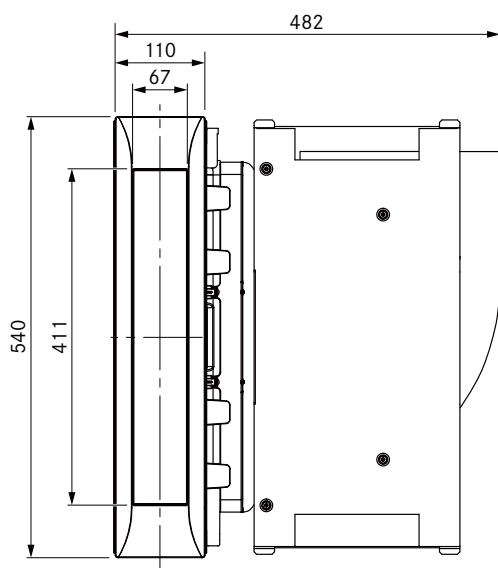
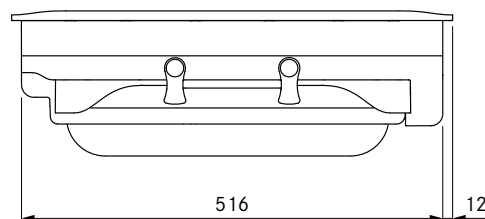
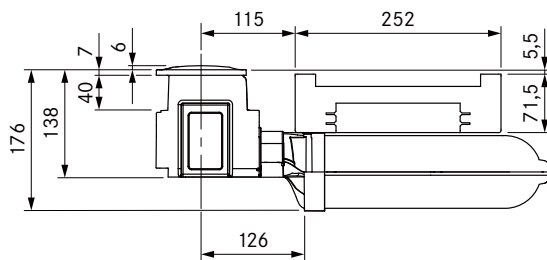


PKT11

Tepan stainless steel grill



BORA cooktop extractor with curved duct element



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	700 W
Power supply cable	2 m
Dimensions (WxDxH)	482 x 540 x 176 mm
Weight (incl. accessories/package)	9.25 kg
Power levels	1 - 9, P
Connection on the exhaust side	BORA Ecotube

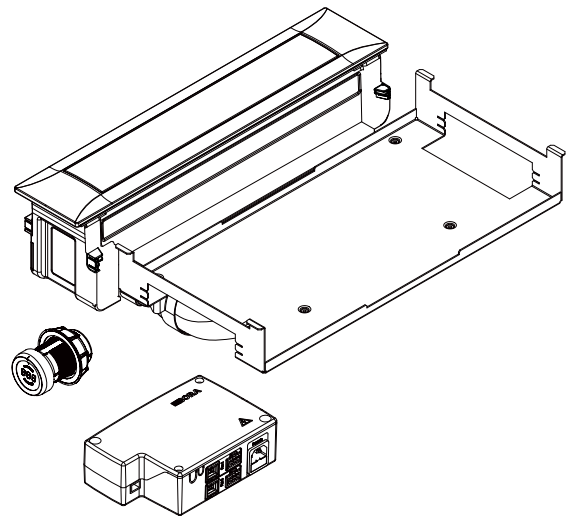
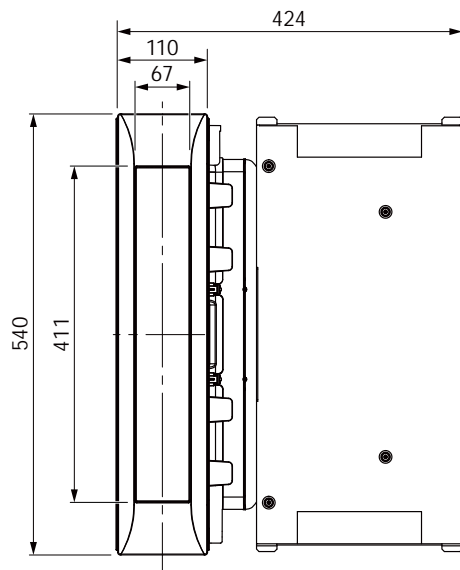
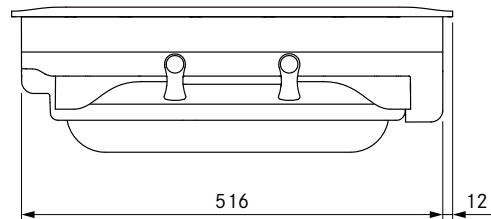
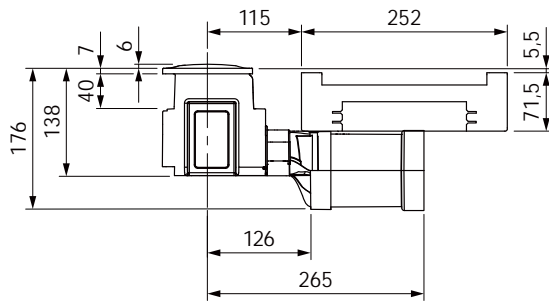
Product description

- Control knob for power control
- Power display
- Electrical cover flap
- Cover flap sensor
- Stainless steel grease filter
- Grease filter sensor
- Automatic cooktop extractor function
- Automatic after-run
- Filter service display
- Interface for external devices
- Safety shut-down
- Ability to connect two BORA Universal fan modules

Scope of delivery

- PKA cooktop extractor with integrated 90° bend
- Straight duct element
- Control knob
- Cover flap
- Stainless steel grease filter
- Filter tray
- Maintenance tray
- CAT 5 communication cable
- Universal control unit
- Interface (connection) cable between control knob and extractor
- Operating and installation instructions
- Height adjustment plate set
- Mounting clamps
- Power supply cable with type E + F plugs

Installation option: BORA cooktop extractor with straight duct element



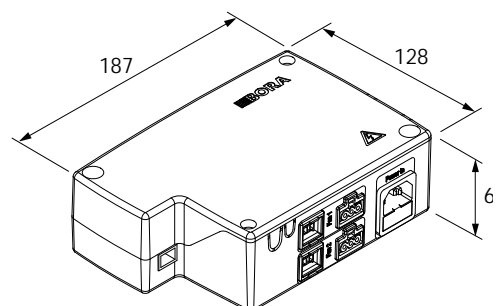
Planning instructions

- Suitable for use as a recirculation or exhaust system
- Can be combined with all BORA Professional cooktops and BORA Universal fan modules
- In the event of an exhaust channel of more than 6 m in length or significant pressure losses, an additional Universal fan module must be used
- The worktop height can be adjusted as necessary
- Worktop depth: ≥ 700 mm (in conjunction with the straight duct element ≥ 650 mm)
- Airflow possible to the right or left
- Fan can be positioned in the plinth area as a result of the low installation height (100 mm) (when using the ULS plinth fan only)
- Installation type: flush or surface-mounted
- Universal control unit as central connection point can be simply and compactly positioned in the plinth area
- The extractor and Universal control unit are connected by a CAT 5 communication cable
- The drawers and/or shelves in the floor unit must be removable for maintenance and cleaning purposes
- The BORA Ecotube duct system is optimally tailored to the BORA cooktop extractors and guarantees 100% functionality and optimum performance
- When using the straight duct element, a BORA Ecotube EFD shallow seal is additionally required
- Professional cooktop extractor system can be combined with USTF, USTE, USTJ, USTG and USTL sockets

Accessories

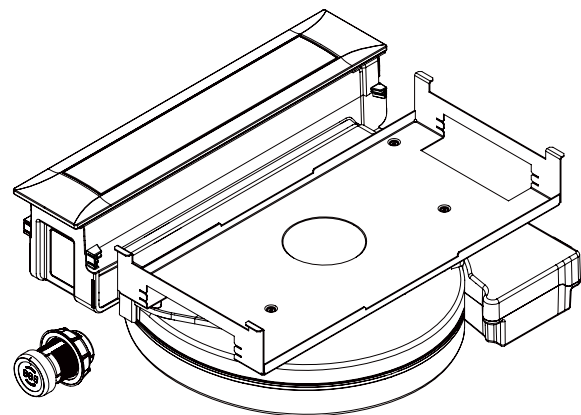
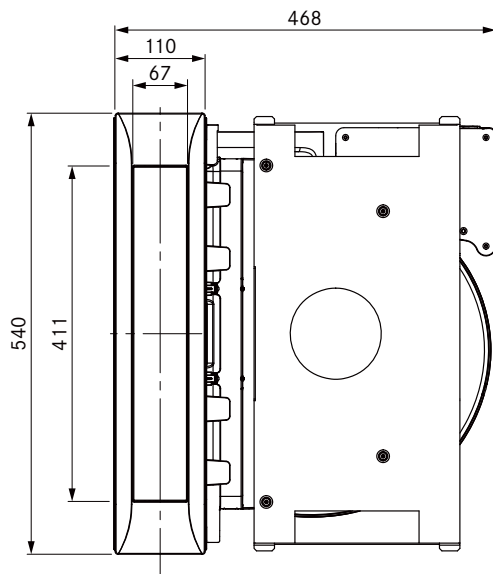
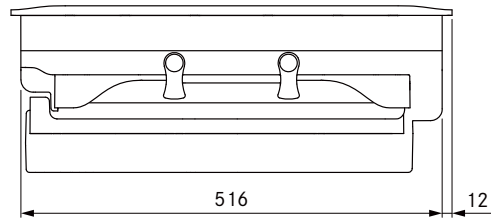
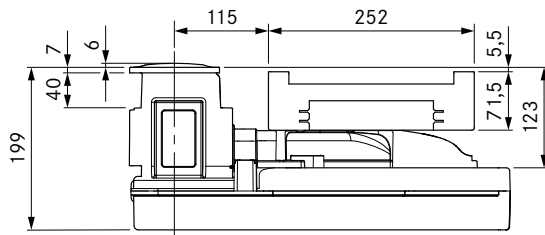
- PKA1FF stainless steel grease filter
- PKA1VK cover flap
- PKA1FW filter tray
- UNLI type I power supply cable (AUS)
- UNLJ type J power supply cable (CH)
- UNLG type G power supply cable (GB-IE)

Device dimensions for the Universal control unit:



PKAS

BORA cooktop extractor system



Technical data	
Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	700 W
Power supply cable	2 m
Dimensions (WxDxH)	468 x 540 x 199 mm
Weight (incl. accessories/packaging)	12.5 kg
Power levels	1 – 9, P
Connection on the exhaust side	BORA Ecotube

Product description

- Control knob for power control
- Power display
- Electrical cover flap
- Cover flap sensor
- Stainless steel grease filter
- Grease filter sensor
- Automatic cooktop extractor function
- Automatic after-run
- Filter service display
- Interface for external devices
- Safety shut-down
- Ability to connect an additional BORA Universal fan module

Scope of delivery

- Cooktop extractor PKAS with integrated fan
- Control knob
- Stainless steel grease filter
- Filter tray
- Maintenance tray
- Cover flap
- Interface (connection) cable between control knob and extractor
- Operating and installation instructions
- Height adjustment plate set
- Mounting clamps
- Power supply cable with type E + F plugs

Planning instructions

- Suitable for use as a recirculation or exhaust system
- Can be combined with all BORA Professional cooktops and BORA Universal fan modules
- In the event of an exhaust channel of more than 6 m in length or significant pressure losses, an additional Universal fan module must be used
- The worktop height can be adjusted as necessary
- Worktop depth: ≥ 700 mm
- Installation type: flush or surface-mounted
- The drawers and/or shelves in the floor unit must be removable for maintenance and cleaning purposes
- The BORA Ecotube duct system is optimally tailored to the BORA cooktop extractors and guarantees 100% functionality and optimum performance
- Professional cooktop extractor system can be combined with USTF, USTE, USTJ, USTG and USTL sockets

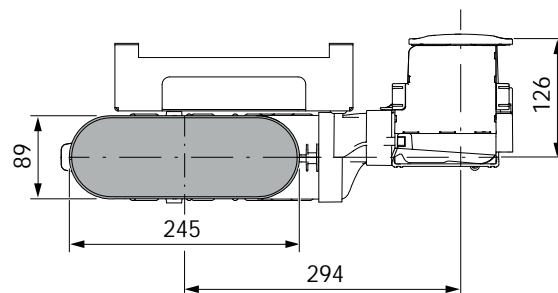
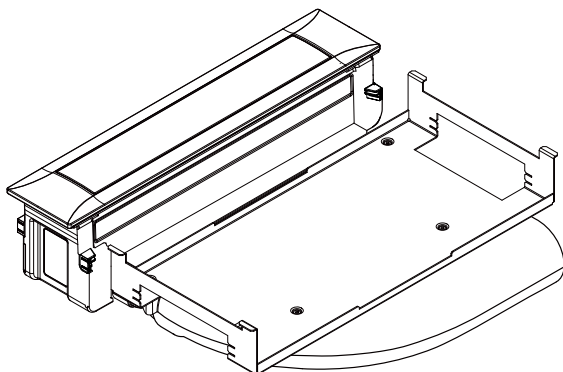
Accessories

- PKA1FF stainless steel grease filter
- PKA1VK cover flap
- PKA1FW filter tray
- UNLI type I power supply cable (AUS)
- UNLJ type J power supply cable (CH)
- UNLG type G power supply cable (GB-IE)

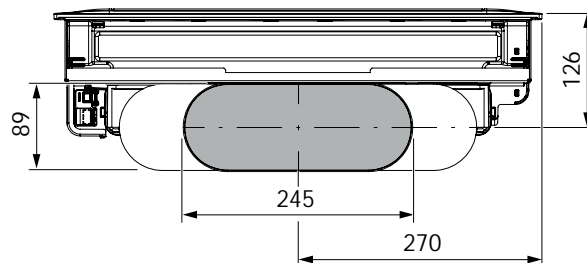
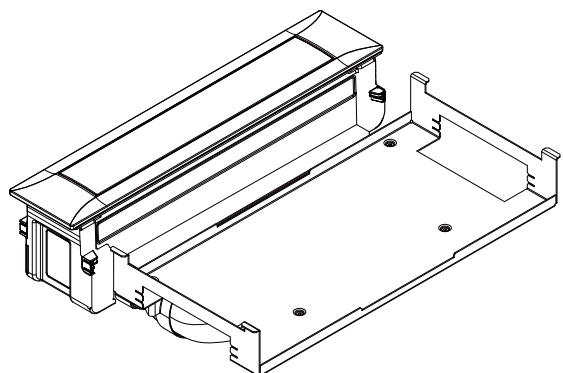
Duct connection dimensions

Professional cooktop extractors

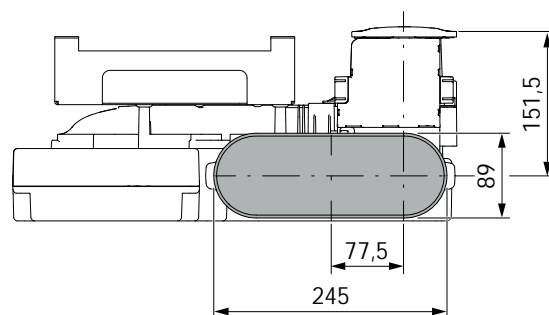
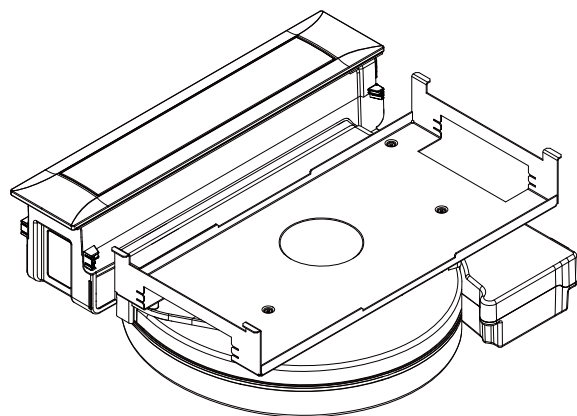
PKA cooktop extractor with curved duct element



Installation option: PKA cooktop extractor with straight duct element



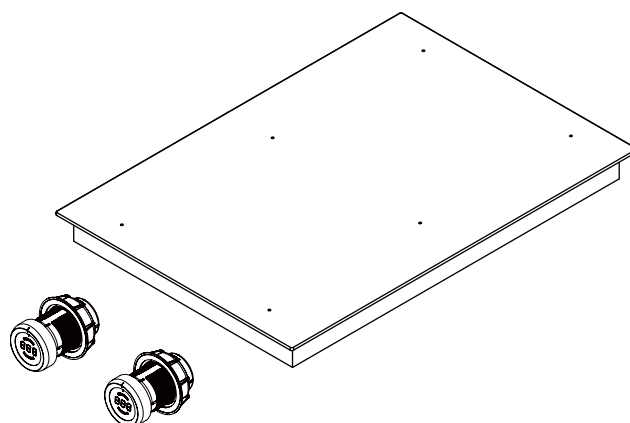
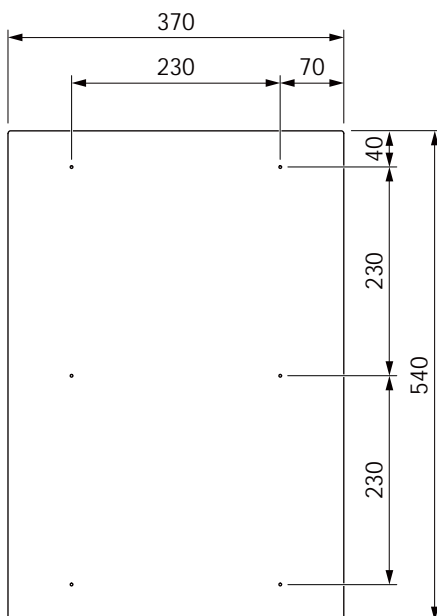
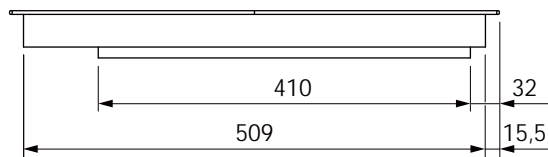
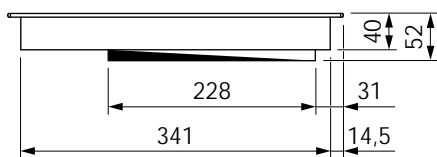
PKAS cooktop extractor system



PKFI11



BORA surface induction glass ceramic cooktop with 2 cooking zones



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.7 kW
Maximum power rating	3.7 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/package)	8.1 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	370 x 540 x 52 mm
Front cooking zone size	230 x 230 mm
Front cooking zone power	2100 W
Front cooking zone power setting	3700 W
Rear cooking zone size	230 x 230 mm
Rear cooking zone power	2100 W
Rear cooking zone power setting	3700 W

Product description

- Heat retention function
- Power setting
- Bridging function
- Residual heat display
- Pause function
- Timer function
- Configuration menu
- Rotation by 180° possible during installation
- Cooking zone indicator on the control knob
- Demo mode
- Pan size recognition
- Automatic heat-up function
- Digital power display on the control knob
- Childproofing feature
- Safety shut-down

- Please note that induction-compatible cookware must be used on induction cooktops
- Make sure that the area below the induction cooktop is sufficiently ventilated

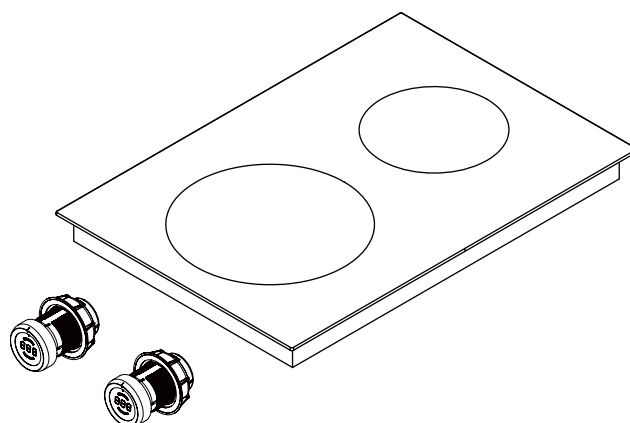
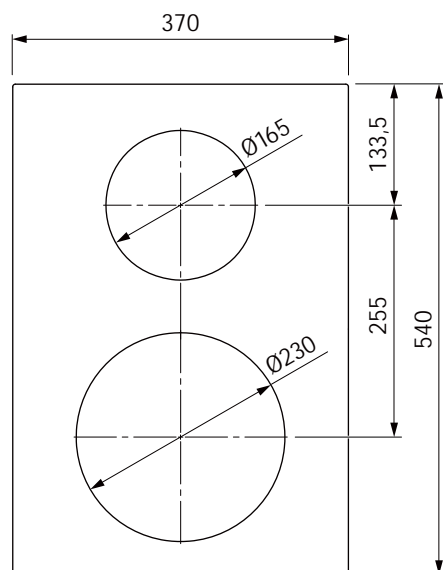
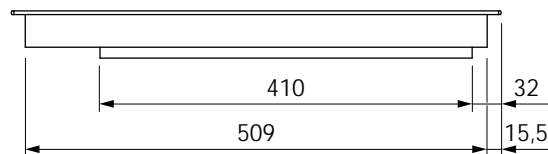
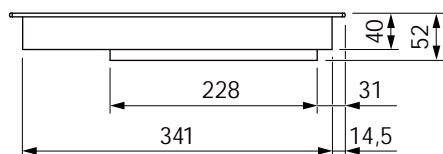
Scope of delivery

- PKFI11 surface induction glass ceramic cooktop
- 2 x control knobs
- 2 x connection cables for the control knobs
- Connection cable to the extractor
- Operating and installation instructions
- Mounting straps
- Glass ceramic scraper
- Height adjustment plate set

Accessories

- UGPI1 grill pan

BORA induction glass ceramic cooktop with 2 cooking zones



Technical data	
Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.7 kW
Maximum power rating	3.7 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/package)	8.0 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	370 x 540 x 52 mm
Front cooking zone size	Ø 230 mm
Front cooking zone power	2300 W
Front cooking zone power setting	3700 W
Rear cooking zone size	Ø 165 mm
Rear cooking zone power	1400 W
Rear cooking zone power setting	2200 W

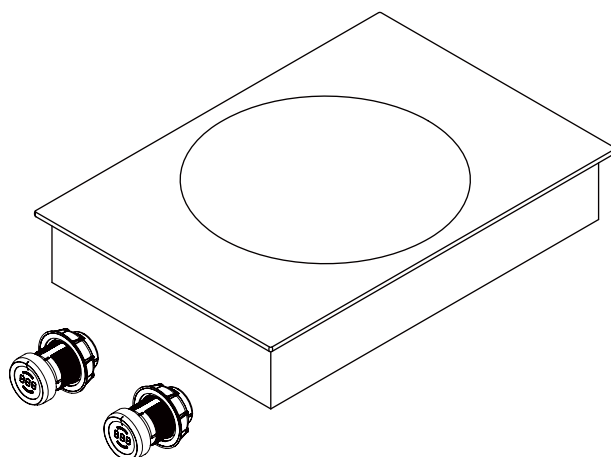
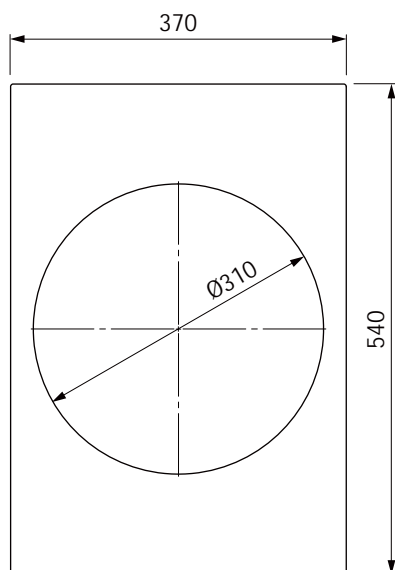
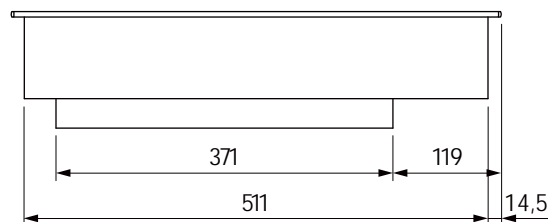
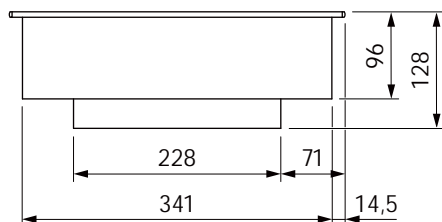
Product description
<ul style="list-style-type: none"> ■ Heat retention function ■ Power setting ■ Residual heat display ■ Pause function ■ Timer function ■ Configuration menu ■ Rotation by 180° possible during installation ■ Cooking zone indicator on the control knob ■ Demo mode ■ Pan size recognition ■ Automatic heat-up function ■ Digital power display on the control knob ■ Childproofing feature ■ Safety shut-down
<ul style="list-style-type: none"> ■ Please note that induction-compatible cookware must be used on induction cooktops ■ Make sure that the area below the induction cooktop is sufficiently ventilated

Scope of delivery
<ul style="list-style-type: none"> ■ PKI11 induction glass ceramic cooktop ■ 2 x control knobs ■ 2 x connection cables for the control knobs ■ Connection cable to the extractor ■ Operating and installation instructions ■ Mounting straps ■ Glass ceramic scraper ■ Drilling template ■ Height adjustment plate set

PKIW1



BORA induction glass ceramic wok cooktop



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.0 kW
Maximum power rating	3.0 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/package)	9.5 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	370 x 540 x 128 mm
Cooking zone size	Ø 310 mm
Cooking zone power	2400 W
Cooking zone power setting	3000 W

Product description

- Power setting
- Residual heat display
- Pause function
- Timer function
- Configuration menu
- Cooking zone indicator on the control knob
- Demo mode
- Pan size recognition
- Automatic heat-up function
- Digital power display on the control knob
- Childproofing feature
- Safety shut-down

Scope of delivery

- PKIW1 induction glass ceramic wok cooktop
- 2 x control knobs
- 2 x connection cables for the control knobs
- Connection cable to the extractor
- Operating and installation instructions
- Height adjustment plate set
- Mounting straps
- Glass ceramic scraper

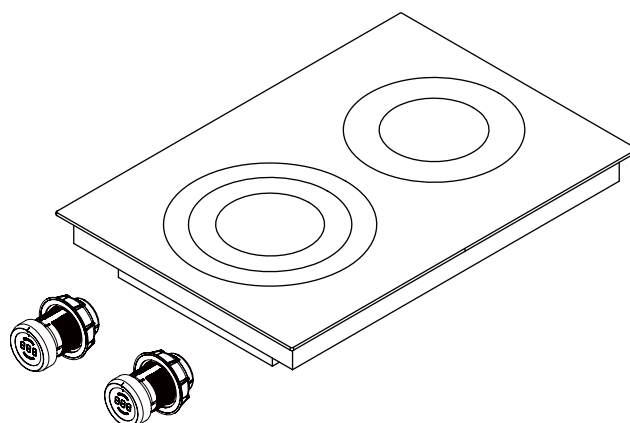
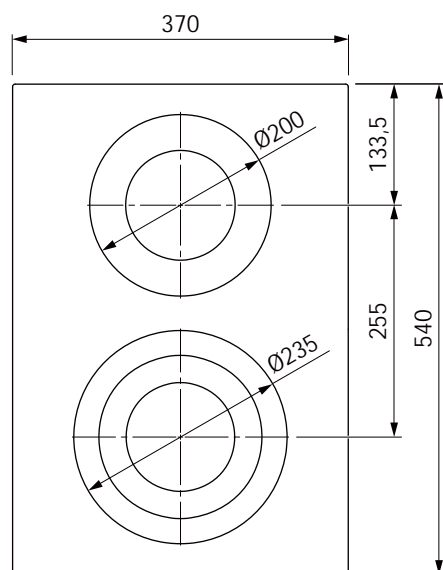
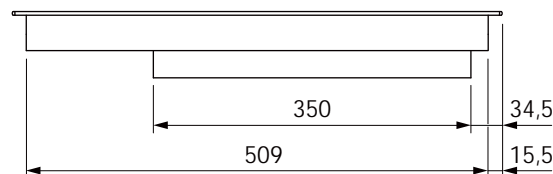
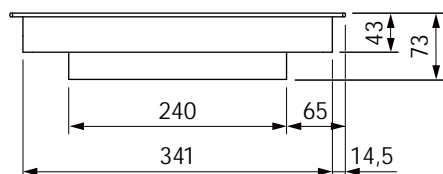
Planning instructions

- The installation height of 128 mm means that the device cannot be installed over the exhaust ducting
- Make sure that the area below the induction cooktop is sufficiently ventilated
- Wok recess diameter 310 mm
- Use a wok that loses its magnetic properties when the temperature rises (overheating protection). We recommend using the BORA induction wok.

Accessories

- HIW1 induction wok, Controlinduc®, stainless steel, Ø 360 mm

BORA HiLight glass ceramic cooktop with 2 cooking zones: 3-ring/2-ring



Technical data	
Supply voltage	380 – 415 V 2N
Frequency	50/60 Hz
Maximum power consumption	4.4 kW
Maximum power rating	4.4 kW
Fuse protection	2 x 16 A
Power levels	1 – 9, (switching of 2/3 rings)
Weight (incl. accessories/package)	8.7 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L1, L2, N, PE)
Dimensions (WxDxH)	370 x 540 x 73 mm
Front cooking zone size	Ø 120 / 180 / 235 mm
Front cooking zone power	800 / 1600 / 2500 W
Number of front cooking zone rings	3
Rear cooking zone size	Ø 120 / 200 mm
Rear cooking zone power	800 / 1900 W
Number of rear cooking zone rings	2

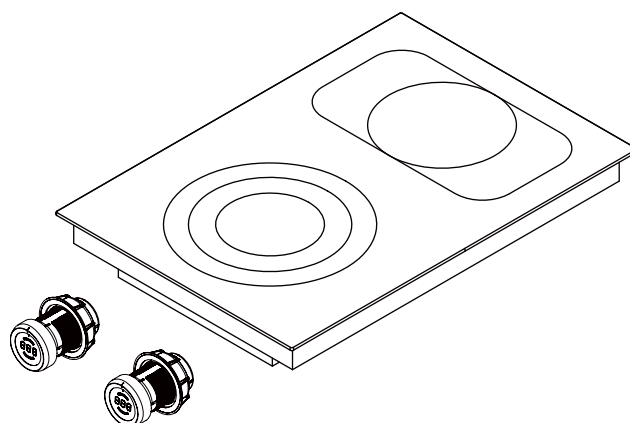
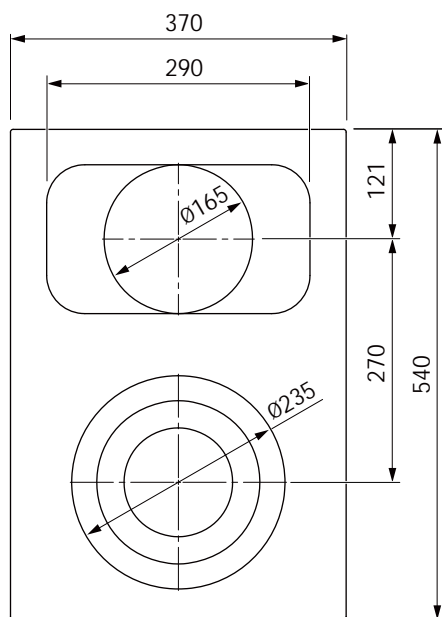
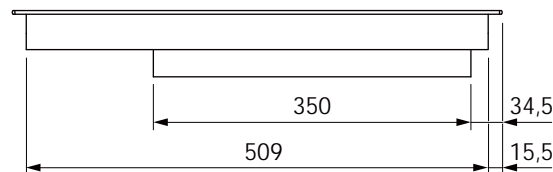
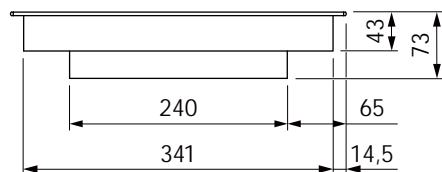
Product description
■ HiLight glass ceramic cooktop with 3-ring/2-ring switching
■ Residual heat display
■ Childproofing feature
■ Demo mode
■ Rotation by 180° possible during installation
■ Configuration menu
■ Timer function
■ Safety shut-down
■ Automatic heat-up function
■ Digital power display on the control knob
■ Pause function
■ Heat retention function

Scope of delivery
■ PKC32 HiLight glass ceramic cooktop
■ 2 x control knobs
■ 2 x connection cables for the control knobs
■ Connection cable to the extractor
■ Operating and installation instructions
■ Mounting straps
■ Glass ceramic scraper
■ Height adjustment plate set

PKC3B



BORA HiLight glass ceramic cooktop with 2 cooking zones: 3-ring/roaster

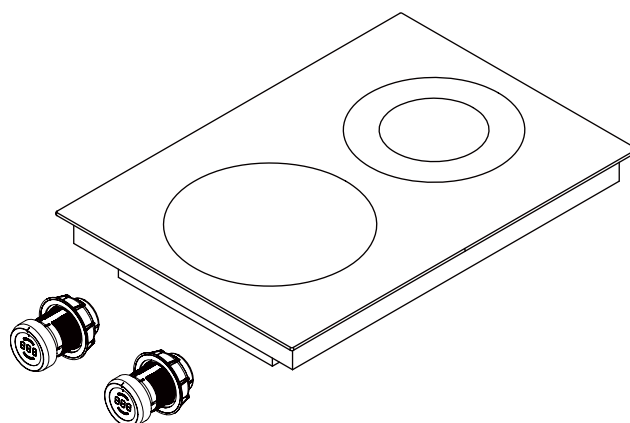
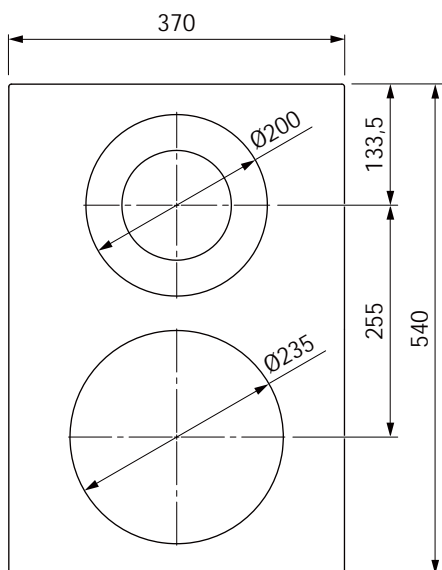
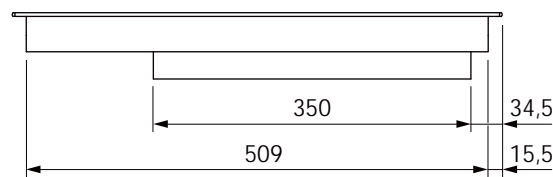
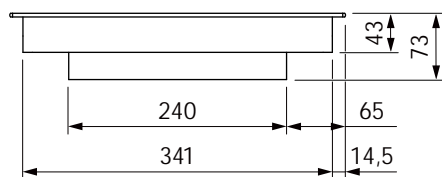


Technical data	
Supply voltage	380 – 415 V 2N
Frequency	50/60 Hz
Maximum power consumption	5.1 kW
Maximum power rating	5.1 kW
Fuse protection	2 x 16 A
Power levels	1 – 9, (switching of 2/3 rings/roaster)
Weight (incl. accessories/package)	8.9 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L1, L2, N, PE)
Dimensions (WxDxH)	370 x 540 x 73 mm
Front cooking zone size	Ø 120 / 180 / 235 mm
Front cooking zone power	800 / 1600 / 2500 W
Number of front cooking zone rings	3
Rear cooking zone size	Ø 165 mm / 290 x 165 mm
Rear cooking zone power	1500 W / 2600 W

Product description
■ HiLight glass ceramic cooktop with 3-ring/roaster switching
■ Residual heat display
■ Childproofing feature
■ Demo mode
■ Rotation by 180° possible during installation
■ Configuration menu
■ Timer function
■ Safety shut-down
■ Automatic heat-up function
■ Digital power display on the control knob
■ Pause function
■ Heat retention function

Scope of delivery
■ PKC3B HiLight glass ceramic cooktop
■ 2 x control knobs
■ 2 x connection cables for the control knobs
■ Connection cable to the extractor
■ Operating and installation instructions
■ Mounting straps
■ Glass ceramic scraper
■ Height adjustment plate set

BORA Hyper glass ceramic cooktop with 2 cooking zones: 1-ring/2-ring



Technical data	
Supply voltage	380 – 415 V 2 N
Frequency	50/60 Hz
Maximum power consumption	5.1 kW
Maximum power rating	5.1 kW
Fuse protection	2 x 16 A
Power levels	1 - 9, (switching of 2-ring/hyper)
Weight (incl. accessories/packageing)	8.7 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L1, L2, N, PE)
Dimensions (WxDxH)	370 x 540 x 73 mm
Front cooking zone size	Ø 235 mm
Front cooking zone power	2100 W
Front cooking zone power setting	3200 W
Number of front cooking zone rings	1
Rear cooking zone size	Ø 120 / 200 mm
Rear cooking zone power	800 / 1900 W
Number of rear cooking zone rings	2

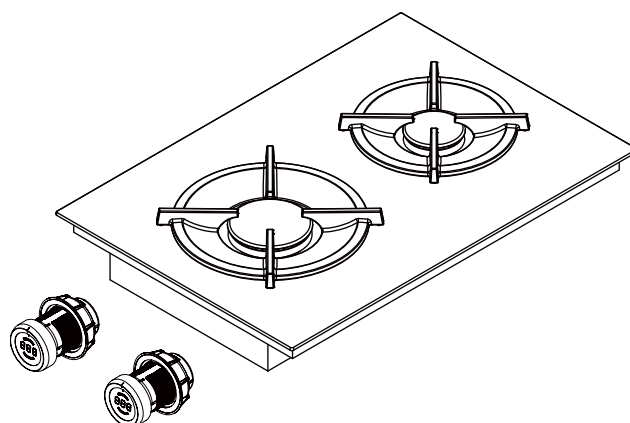
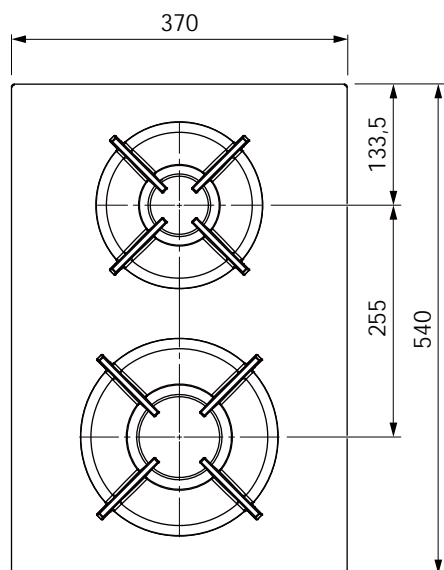
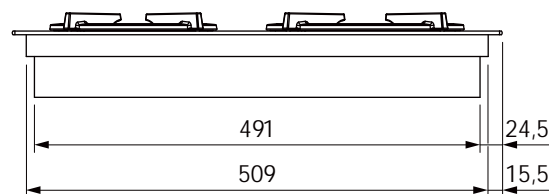
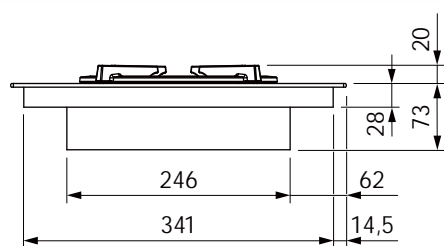
Product description
<ul style="list-style-type: none"> ■ Hyper glass ceramic cooktop with hyper/2-ring ■ Save time with shorter heating times on the front cooking zone ■ Residual heat display ■ Childproofing feature ■ Demo mode ■ Rotation by 180° possible during installation ■ Configuration menu ■ Timer function ■ Safety shut-down ■ Automatic heat-up function ■ Digital power display on the control knob ■ Pause function ■ Heat retention function

Scope of delivery
<ul style="list-style-type: none"> ■ PKCH2 Hyper glass ceramic cooktop ■ 2 x control knobs ■ 2 x connection cables for the control knobs ■ Connection cable to the extractor ■ Operating and installation instructions ■ Mounting straps ■ Glass ceramic scraper ■ Height adjustment plate set

PKG11

BORA

BORA gas glass ceramic cooktop with 2 cooking zones



Technical data	
Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum gas cooktop power	4.75 kW
Maximum power rating	20 W
Fuse protection	1 x 0.5 A
Power levels	1 – 9
Weight (incl. accessories/package)	11.1 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	370 x 540 x 73 mm
High-power burner	700 – 3000 W
Normal burner	450 – 1750 W
Front cooking zone size	250 x 250 x 20/30 mm
Rear cooking zone size	210 x 210 x 20/30 mm

Product description

- 2-flame gas glass ceramic cooktop with high-power and normal burners
- Removable, dishwasher-safe pan support
- Nozzles for liquid gas 30 mbar/50 mbar must be ordered separately
- Automatic re-ignition
- Heat retention function
- Power setting
- Residual heat display
- Pause function
- Timer function
- Configuration menu
- Rotation by 180° possible during installation
- Cooking zone indicator on the control knob
- Demo mode
- Automatic heat-up function
- Digital power display on the control knob
- Childproofing feature
- Safety shut-down

Scope of delivery

- PKG11 gas glass ceramic cooktop
- 2 x control knobs
- 2 x cast iron pan supports
- PGD2020 nozzle set G20/20 mbar natural gas

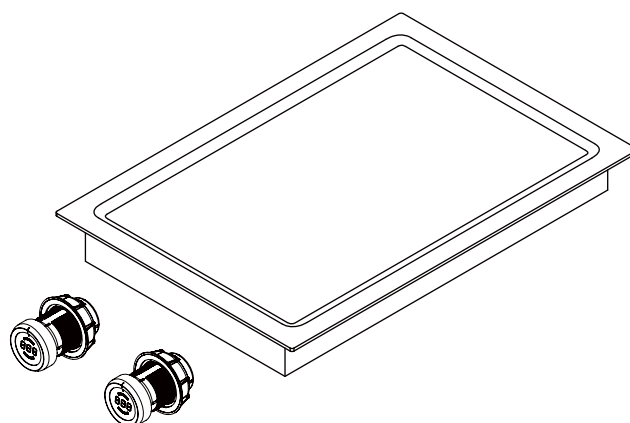
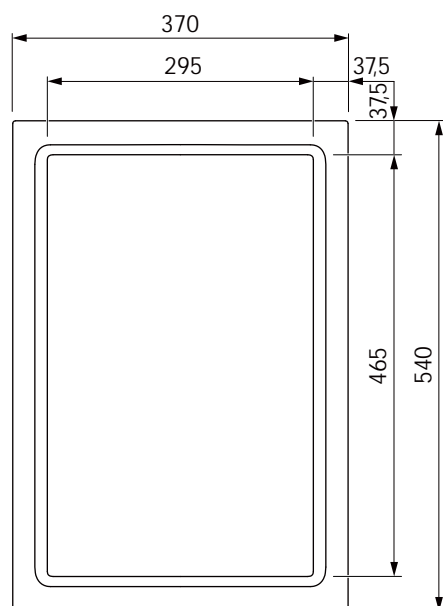
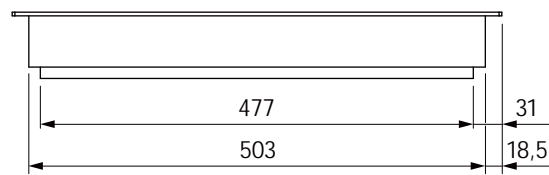
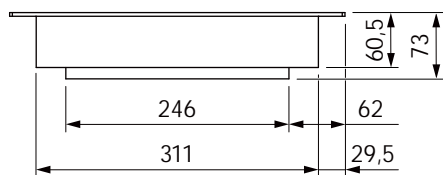
- Flexible gas connection hose for simple installation, length 500 mm, 1/2" outer thread
- 2 x connection cables for the control knobs
- Connection cable to the extractor
- Operating and installation instructions
- Glass ceramic scraper
- Height adjustment plate set
- Mounting straps

Accessories

- PGD2010 nozzle set G20/10 mbar natural gas
- PGD2013 nozzle set G20/13 mbar natural gas
- PGD2025 nozzle set G20/25 mbar natural gas
- PGD2520 nozzle set G25/20 mbar natural gas
- PGD2525 nozzle set G25/25 mbar natural gas
- PGD3028 nozzle set G30/28-30 mbar or 37 mbar liquid gas
- PGD3050 nozzle set G30/50 mbar liquid gas
- PGD3130 nozzle set G31/30 mbar liquid gas

- Please note the local regulations and connection requirements applicable to gas cooktops!

BORA Tepan stainless steel grill with 2 cooking zones



Technical data

Supply voltage	380 – 415 V 2N
Frequency	50/60 Hz
Maximum power consumption	4.8 kW
Maximum power rating	4.8 kW
Fuse protection	2 x 16 A
Temperature control (power levels)	150 – 230°C, 250°C (1 - 9, P)
Temperature control range	70 – 250°C
Weight (incl. accessories/package)	15.8 kg
Surface material	Brushed stainless steel
Power supply cable	1.5 m (L1, L2, N, PE)
Dimensions (WxDxH)	370 x 540 x 73 mm
Front cooking zone size	295 x 230 mm
Front cooking zone power	2400 W
Rear cooking zone size	295 x 230 mm
Rear cooking zone power	2400 W

Product description

- Full-surface Tepan stainless steel grill with two cooking zones
- 4 mm deep-drawn and brushed stainless steel with rounded inner corners for simple cleaning
- Power setting
- Bridging function
- Residual heat display
- Pause function
- Timer function
- Configuration menu
- Cooking zone indicator on the control knob
- Demo mode
- Automatic heat-up function
- Digital power display on the control knob
- Cleaning function
- Childproofing feature
- Safety shut-down

Scope of delivery

- PKT11 Tepan stainless steel grill
- 2 x control knobs
- 2 x connection cables for the control knobs
- Connection cable to the extractor
- Operating and installation instructions
- PTTS1 Tepan scraper
- Height adjustment plate set
- Mounting straps

- Make sure that the area below the Tepan cooktop is sufficiently ventilated.

Energy efficiency



PKA/PKAS BORA Professional cooktop extractors

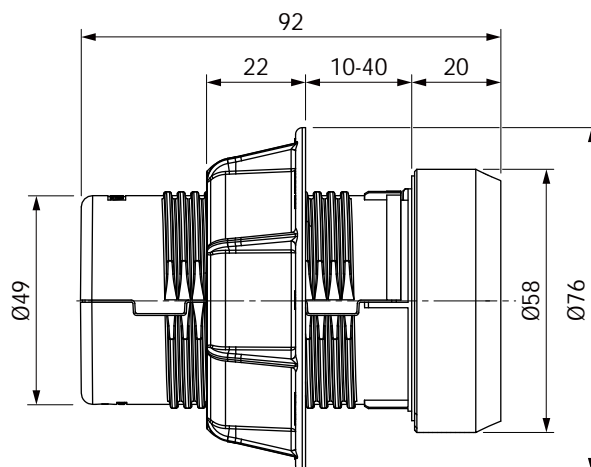
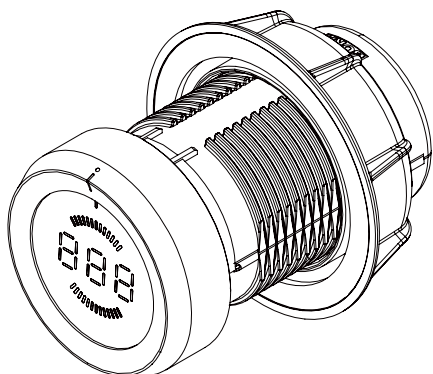
Product description	PKA Professional cooktop extractor	PKAS Professional cooktop extractor system	
Operating mode	Exhaust air	Exhaust air	
Energy consumption	Value	Value	EN standard
Annual energy consumption (AEC_{hood})	23.4 kWh/a	32.5 kWh/a	61591
Energy efficiency class	A++	A+	61591
Energy efficiency index (EEl_{hood})	31.6	42.5	61591
Flow volume			
Fluid dynamic efficiency (FDE_{hood})	38.4	34.5	61591
Fluid dynamic efficiency class	A	A	61591
Minimum air flow	276.9 m ³ /h	251.7 m ³ /h	61591
Maximum air flow	612.7 m ³ /h	618.2 m ³ /h	61591
Air flow power setting (Q_{Max})	612.7 m ³ /h	689.8 m ³ /h	61591
Lighting			
Lighting efficiency (LE_{hood})	* lx/Watt	* lx/Watt	*
Lighting efficiency class	*	*	*
Grease filtering			
Maximum setting (no power setting) (GFE_{hood})	86.8%	91.28%	61591
Class at maximum power level	B	B	61591
Sound power level			
Minimum	42.5 dB(A)	47.6 dB(A)	60704-2-13
Maximum	61.5 dB(A)	68.4 dB(A)	60704-2-13
Power setting	61.8 dB(A)	69.9 dB(A)	60704-2-13
Sound pressure level (additional details)			
Minimum	29.2 dB(A)	34.9 dB(A)	**
Maximum	48.2 dB(A)	55.7 dB(A)	**
Power setting	48.5 dB(A)	57.2 dB(A)	**
Details according to 66/2014			
Time increase factor	0.6	0.8	61591
Electric power input at the best efficiency point (W_{BEP})	106.9 W	111.3 W	61591
Pressure at the best efficiency point (P_{BEP})	518 Pa	418 Pa	61591
Air volume flow at the best efficiency point (Q_{BEP})	288.1 m ³ /h	330.7 m ³ /h	61591
Power consumption in off mode (P_O)	0.4 W	0.43 W	61591

* This specification is not applicable for this product.

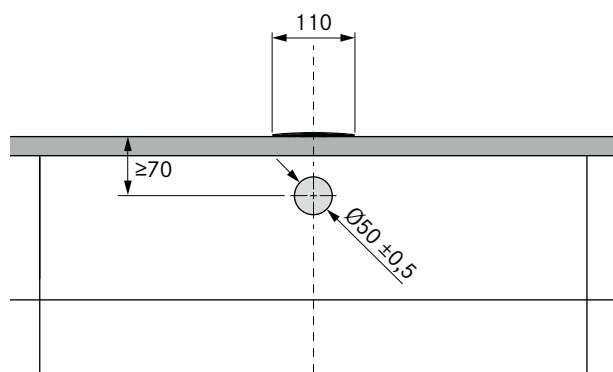
** The sound pressure level has been determined from a distance of 1 m (distance-dependent level recording) on the basis of the sound power level established in EN 60704-2-13.

Control knob

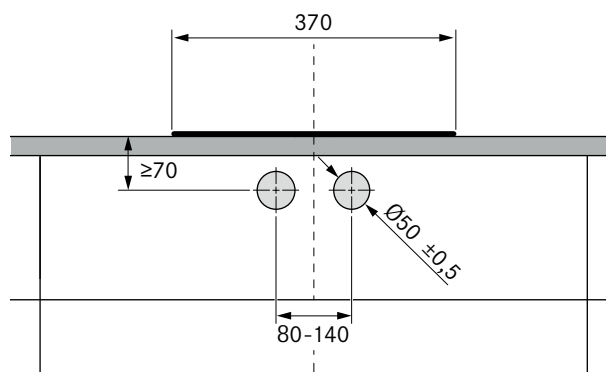
Professional control knob – appliance and installation dimensions



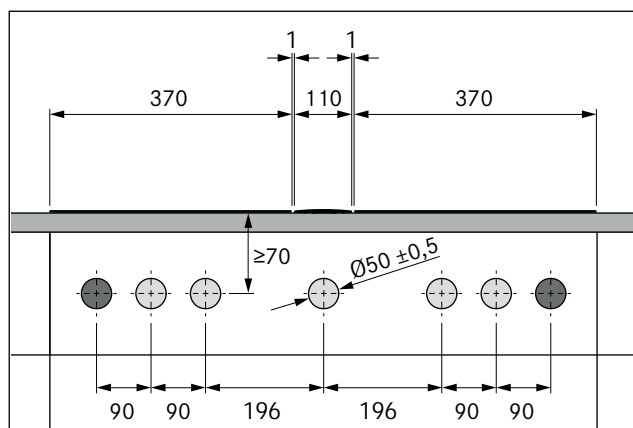
Bore hole for the control knob on the Professional cooktop extractors PKA/PKAS:



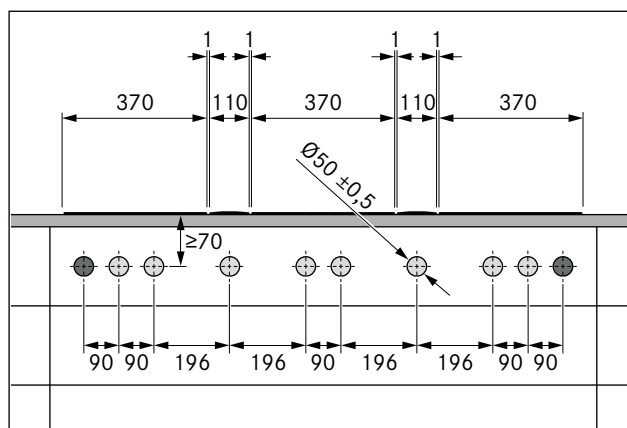
Bore holes for the control knobs on the Professional cooktops:



Bore hole examples:



Double cooktop
Bore holes for installing 2 cooktops,
1 cooktop extractor and 2 sockets



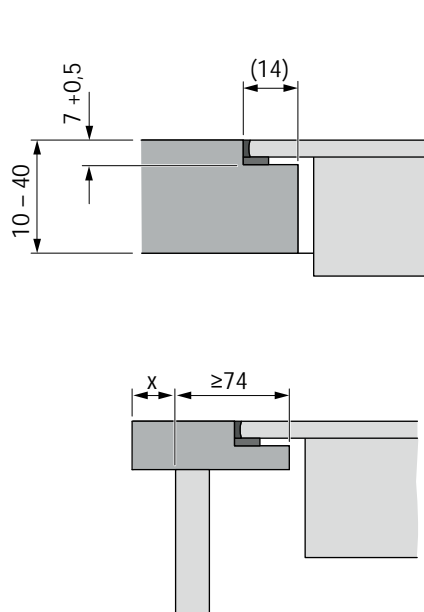
Triple cooktop
Bore holes for installing 3 cooktops,
2 cooktop extractors and 2 sockets

⊕ = Control knob bore holes ⊗ = Socket bore holes

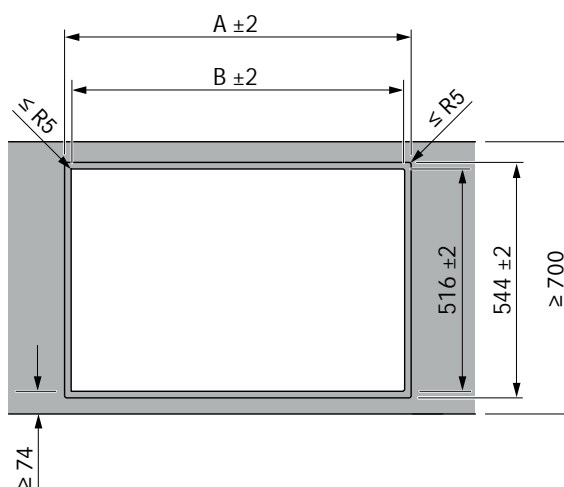
Cut-out dimensions



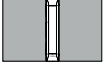
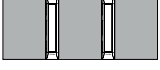



BORA Professional – flush installation for PKA/PKAS



All dimensions from the front edge of the front cover.



Cooktops/cooktop extractor	A in mm	B in mm
	1/0 374	346
	1/1 485	457
	2/1 856	828
	3/2 1338	1310
	4/2 1709	1681

Cut-out dimensions tolerance ± 2 mm.
Clearance of 1 mm should be planned between the built-in appliances.
Clearance of 2 mm should be planned around the built-in appliances.

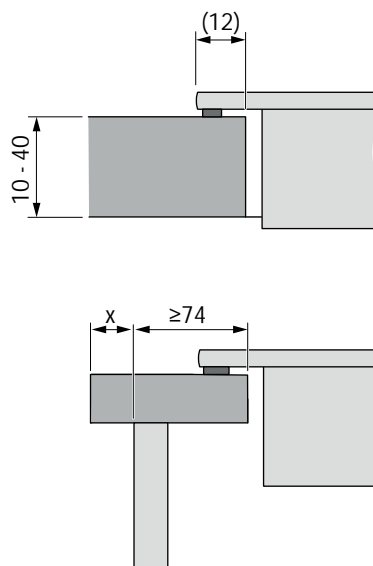
Important planning instructions:

- Please note the worktop manufacturer's instructions with regard to the suitability of the worktop. Worktop cut-outs must be moisture-sealed using suitable means or, where necessary, fitted with a thermal insulator (e.g. in the case of Corian or HiMacs worktops).
- A mounting rail must be installed between adjacent cooktops.
- Clearance of 1 mm should be planned between built-in appliances.

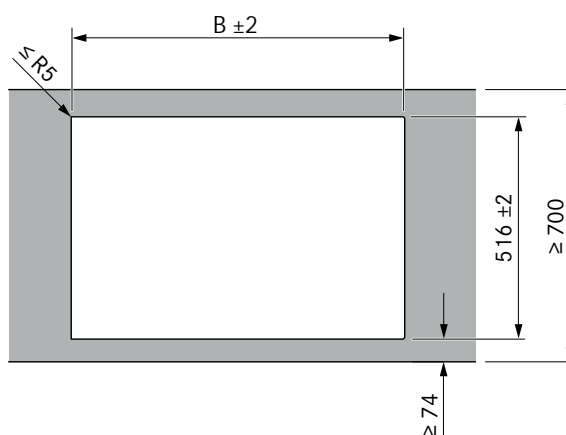
Cut-out dimensions



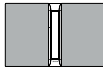
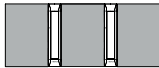



Professional – surface mounting for PKA/PKAS



All dimensions from the front edge of the front cover.



Cooktops/cooktop extractor	B in mm
	1/0 346
	1/1 457
	2/1 828
	3/2 1310
	4/2 1681

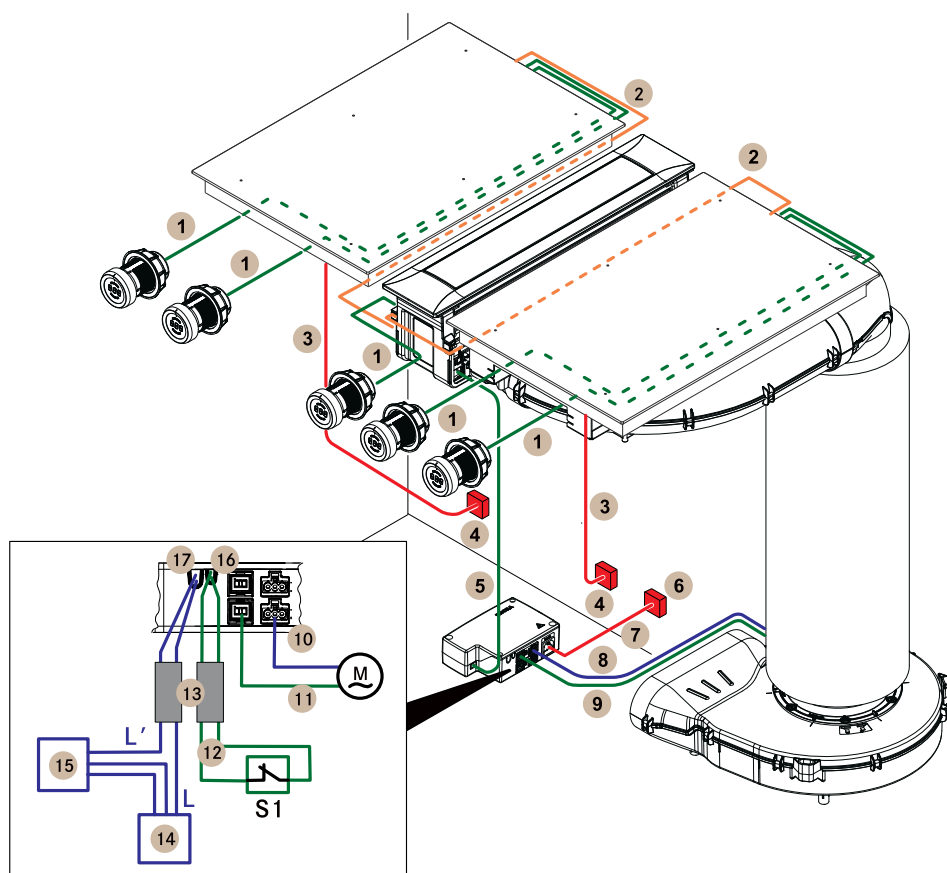
Cut-out dimensions tolerance ± 2 mm.
Clearance of 1 mm should be planned between the built-in appliances.
Clearance of 2 mm should be planned around the built-in appliances.

Important planning instructions:

- Please note the worktop manufacturer's instructions with regard to the suitability of the worktop. Worktop cut-outs must be moisture-sealed using suitable means or, where necessary, fitted with a thermal insulator (e.g. in the case of Corian or HiMacs worktops).
- A mounting rail must be installed between adjacent cooktops.
- Clearance of 1 mm should be planned between built-in appliances.

Connection diagram

Connection diagram for the PKA Professional cooktop extractor

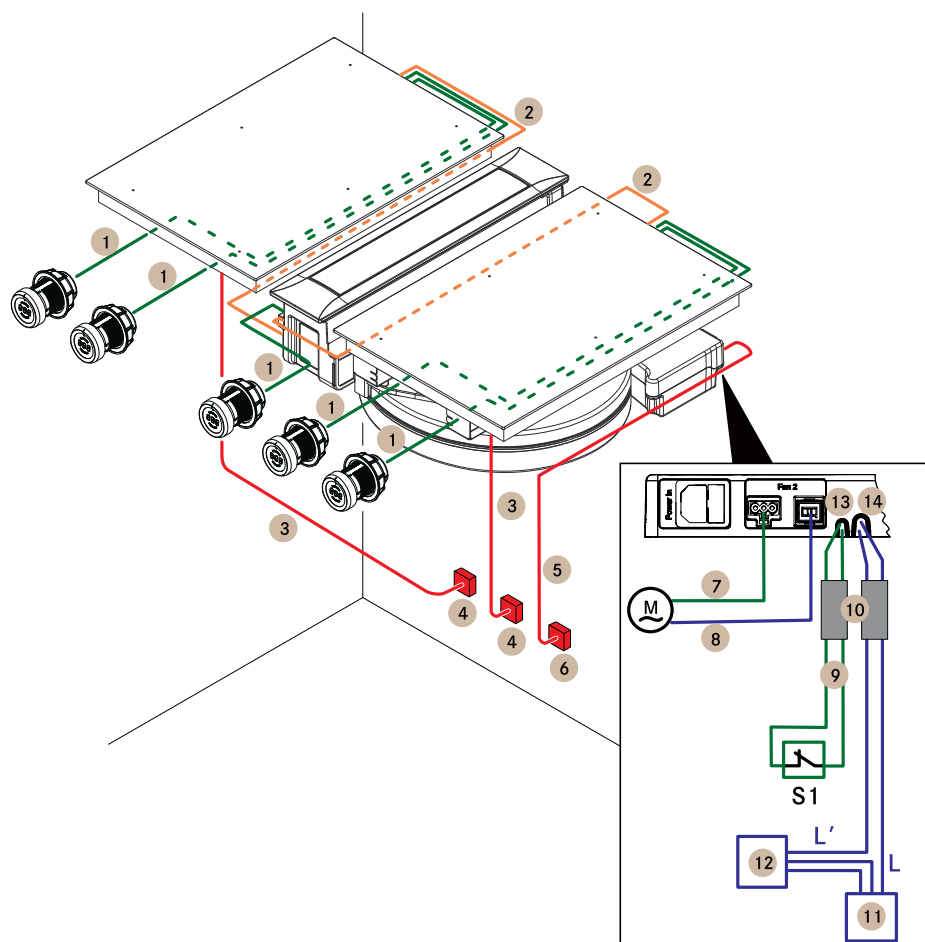


Position	Description	Note
1	Cable control knob – interface	Length 1 m
2	Automatic extraction system cable	Length 1 m
3	Cooktop power supply cable	Min. length 1.5 m
4	Power supply per cooktop: PKT11, PKC32, PKC3B, PKCH2 PKF111, PKI11, PKIW1 PKG11	L1/L2 /N/PE min. fuse protection 2 x 16 A L/N/PE min. fuse protection 1 x 16 A L/N/PE min. fuse protection 1 x 0.5 A
5	CAT 5 communication cable	
6	Control unit power supply	L/N/PE
7	Control unit power supply cable	Length 2 m
8	Plinth fan power supply cable	
9	Plinth fan control line	
10	Additional fan power supply cable	
11	Additional fan control line	
M	Additional fan	
12	Connection cable Home-In	Max. length 10 m
S1	External switch contact	E.g. window contact switch for operating in exhaust mode with flues/fireplaces
13	Ferrite sleeves	Set product no. UFH
14	Power supply for external device	–
15	External device	E.g. electrically operated wall sleeve
16	Home-In connection	24V DC / 100 mA
17	Home-Out connection	Maximum 250 VAC / 30 VDC, 2.5 A

The connection diagram shows the maximum connection options required and is for planning purposes only. The connection itself must be carried out by a qualified specialist based on the operating instructions.

Connection diagram

Connection diagram for the PKAS Professional cooktop extractor system



Position	Description	Note
1	Cable control knob – interface	Length 1 m
2	Automatic extraction system cable	Length 1 m
3	Cooktop power supply cable	Min. length 1.5 m
4	Power supply per cooktop: PKT11, PKC32, PKC3B, PKCH2 PKFI11, PKI11, PKIW1, PKG11	L1/L2 /N/PE min. fuse protection 2 x 16 A L/N/PE min. fuse protection 1 x 16 A
5	Control unit power supply cable	Length 2 m
6	PKAS power supply	–
7	Additional fan power supply cable	
8	Additional fan control line	
M	Additional fan	
9	Connection cable Home-In	Max. length 10 m
S1	External switch contact	e.g. window contact switch for operating in exhaust mode with flues
10	Ferrite sleeves	Set product no. UFH
11	Power supply for external device	–
12	External device	e.g. electrically operated wall sleeve
13	Home-In connection	24V DC / 100 mA
14	Home-Out connection	Maximum 250 VAC / 30 VDC, 2.5A

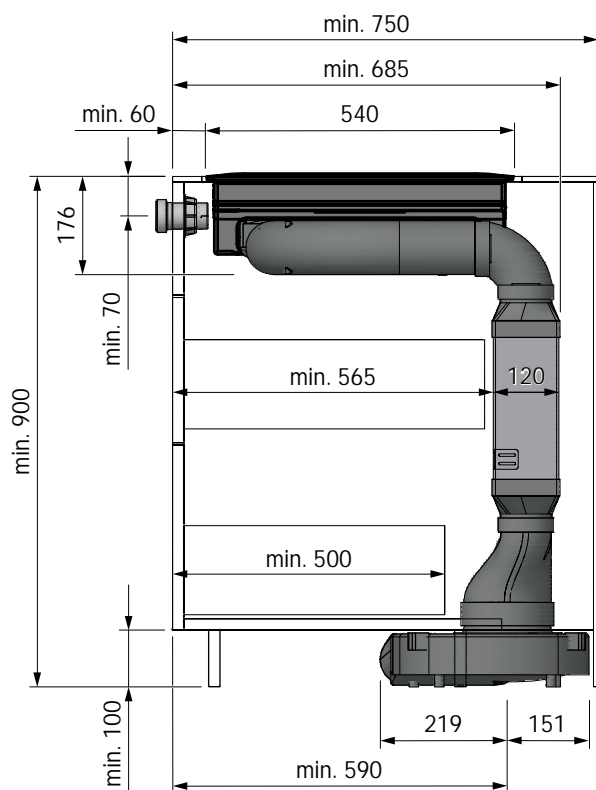
The connection diagram shows the maximum connection options required and is for planning purposes only. The connection itself must be carried out by a qualified specialist based on the operating instructions.

Installation cut-outs



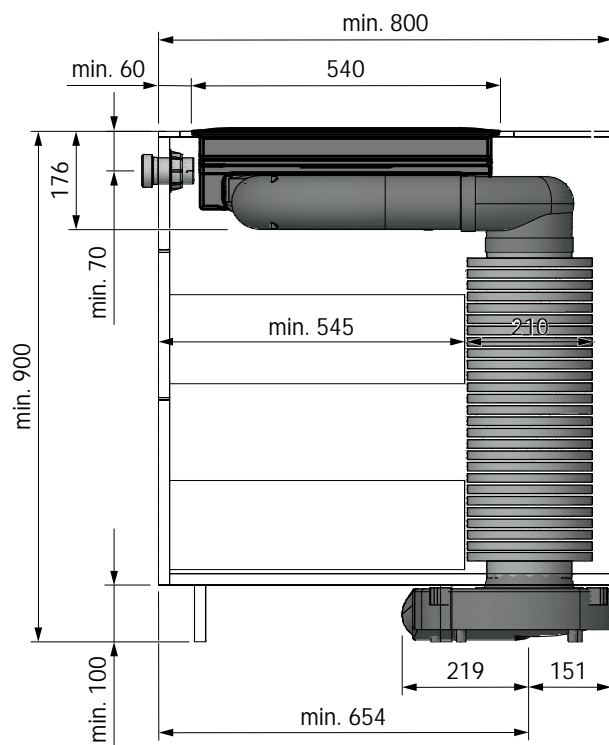
BORA Professional

PKA installation cut-out with USDF shallow silencer:



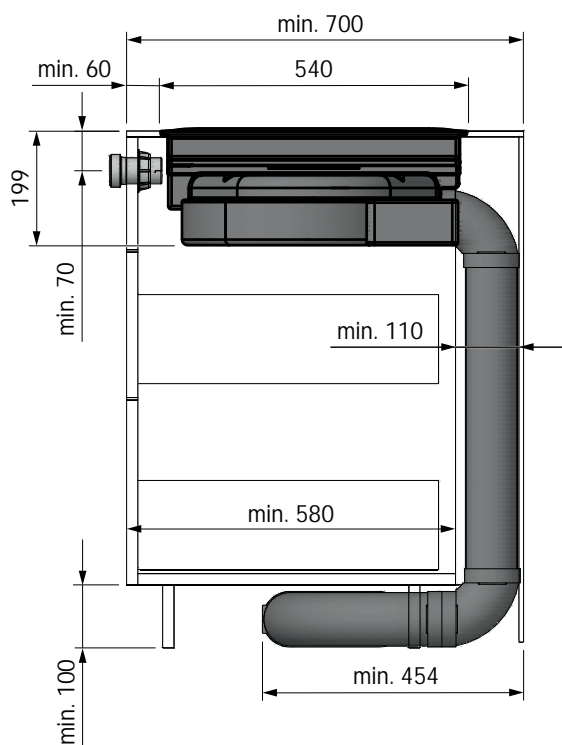
(ULS plinth fan with air release to the left)

PKA installation cut-out with USDR50 round silencer:



(ULS plinth fan with air release to the left)

PKAS installation cut-out with Ecotube shallow duct:

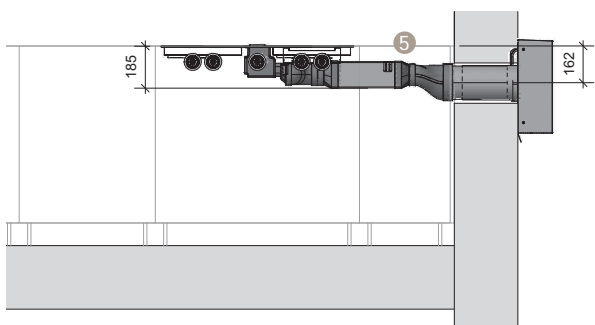
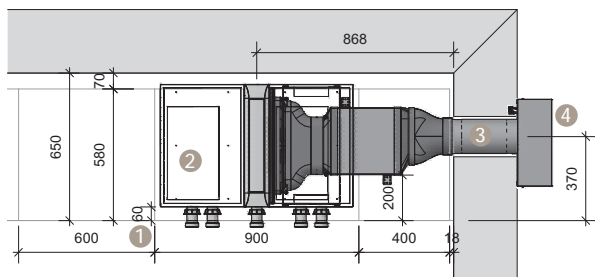


Model plans



PKA – exhaust air model plans

PKA straight – exhaust version for a kitchen counter with a ULA external wall fan, USDF shallow silencer and airflow to the right:



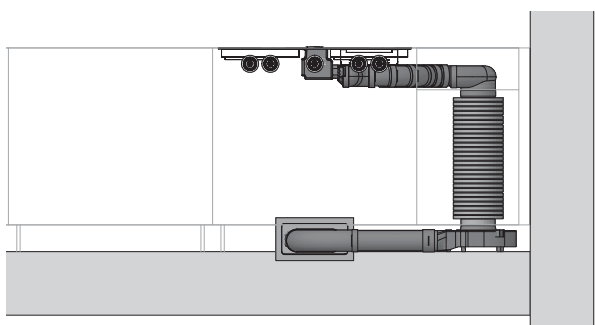
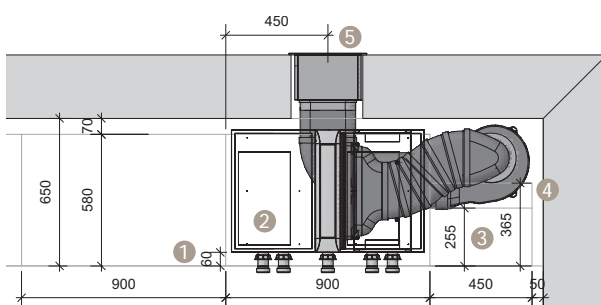
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Core bore hole diameter > 160 mm
- 4 Must be able to expel air downwards freely at least 40 cm
- 5 A dummy cover must be installed on the top drawer

Ecotube duct elements

- 1x EF1000 shallow duct
- 1x EFV shallow duct connection
- 1x EFRG shallow, round, straight transition
- 2x EFD shallow seal
- 1x ERD round seal

PKA straight – exhaust version with a ULS plinth fan, USDR round silencer and backward airflow:



Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 The top drawer must be shortened
- 4 The carcass must be shortened
- 5 Minimum wall gap: 330 x 175 mm

Ecotube duct elements

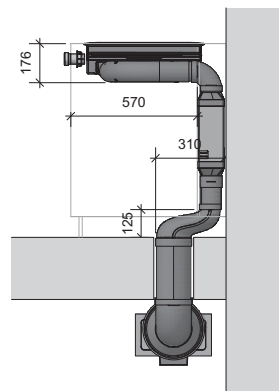
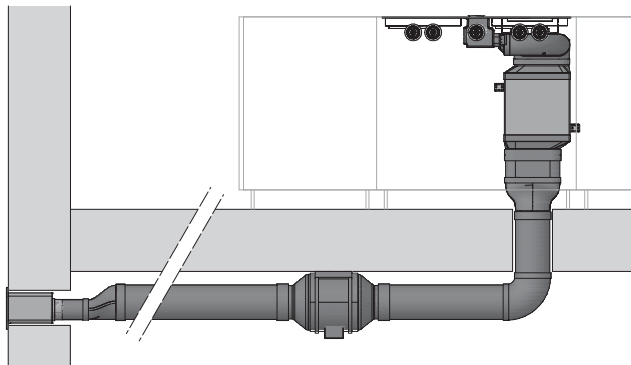
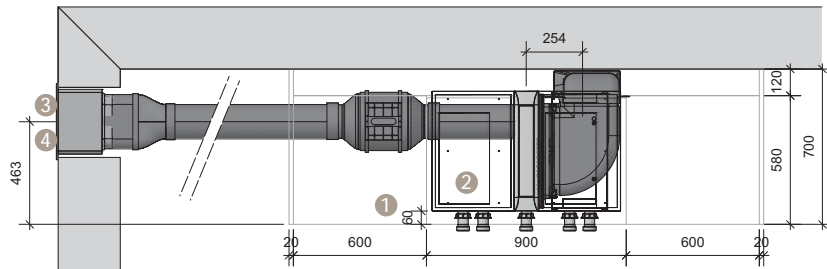
- 6x EFBH15 shallow, horizontal 15° bend
- 1x EFBH90 shallow, horizontal 90° bend
- 1x EFR90 shallow, round 90° transition
- 1x EFV shallow duct connection
- 1x EF1000 shallow duct
- 1x ER1000 round duct
- 11x EFD shallow seal
- 2x ERD round seal

Model plans



PKA – exhaust air model plans

PKA 90° – exhaust version for a kitchen counter with a ULI duct fan, USDF shallow silencer and airflow through the basement to the left:



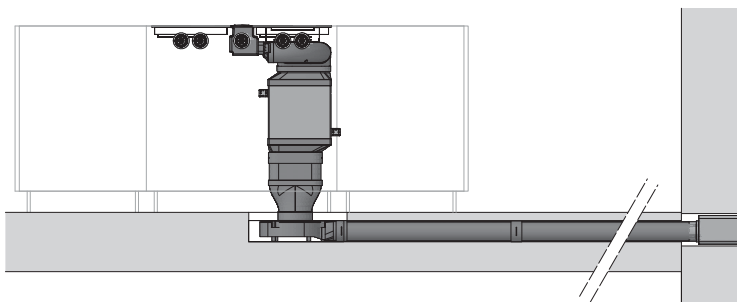
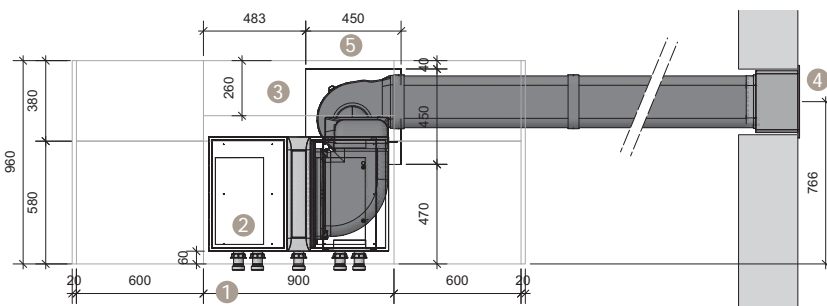
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Core bore hole diameter > 160 mm
- 4 Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- 1 x ERBV90 shallow, vertical 90° bend
- 1 x EFV shallow duct connection
- 1 x EF1000 shallow duct
- 1 x EFRV shallow, round, offset transition
- ER1000 round duct as required
- 1 x ERB90 round 90° bend
- ERV round duct connection as required
- 1 x EFRG shallow, round, straight transition
- 5 x EFD shallow seal
- ERD round seal as required

PKA 90° – exhaust version for a kitchen island with a ULS plinth fan in the floor structure, USDF shallow silencer and airflow to the right:

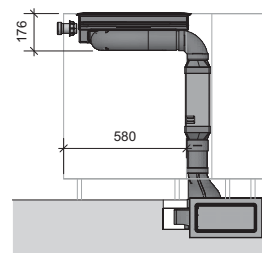


Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 The carcass must be shortened
- 4 Minimum wall gap: 330 x 175 mm
- 5 Note the plinth overlay

Ecotube duct elements

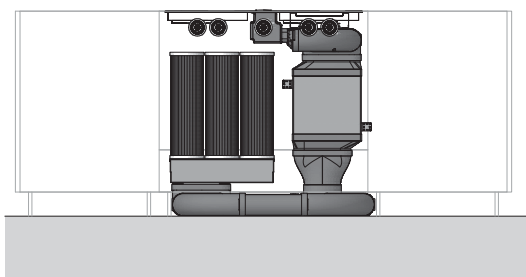
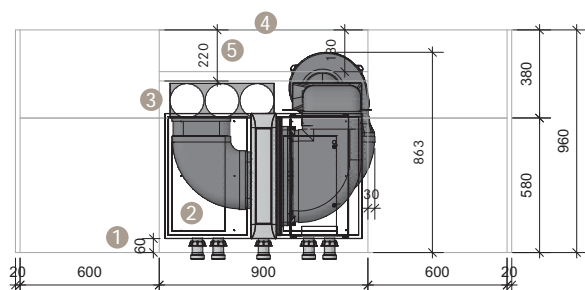
- 1 x ERBV90 shallow, vertical 90° bend
- 1 x ER1000 round duct
- 1 x EFRG shallow, round, straight transition
- EF1000 shallow duct as required
- EFV shallow duct connection as required
- 1 x ERD round seal



Model plans

PKA – recirculation model plans

PKA 90° – recirculation version for a kitchen island with a ULS plinth fan, USDF shallow silencer and upright ULB3 air purification box:



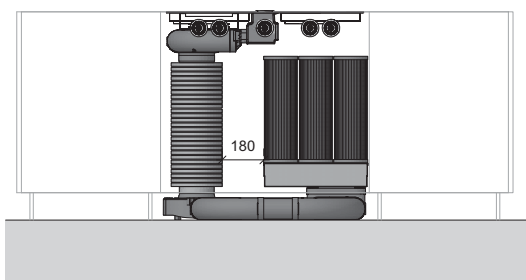
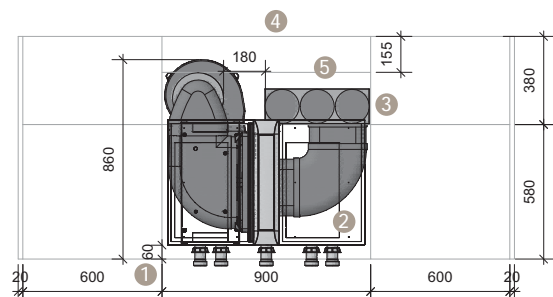
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Ensure accessibility for filter changes
- 4 Provide for an outflow opening of at least 500 cm²
- 5 The carcass must be shortened!

Ecotube duct elements

- 2x ERBV90 shallow, vertical 90° bend
- 1x EFRG shallow, straight transition
- 2x EFBH90 shallow, horizontal 90° bend
- 1x EF1000 shallow duct
- 8x EFD shallow seal
- 1x ERD round seal

PKA 90° – recirculation version for a kitchen island with a ULS plinth fan, USDR round silencer and upright ULB3 air purification box:



Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Ensure accessibility for filter changes
- 4 Provide for an outflow opening of at least 500 cm²
- 5 The carcass must be shortened

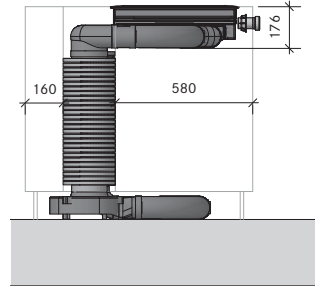
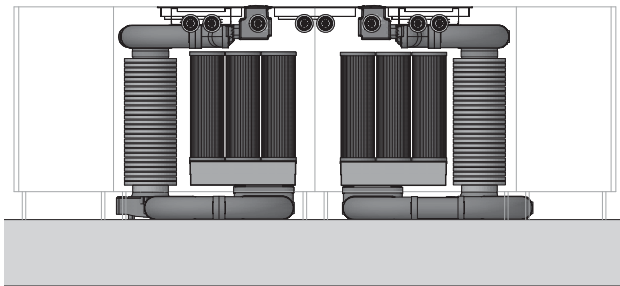
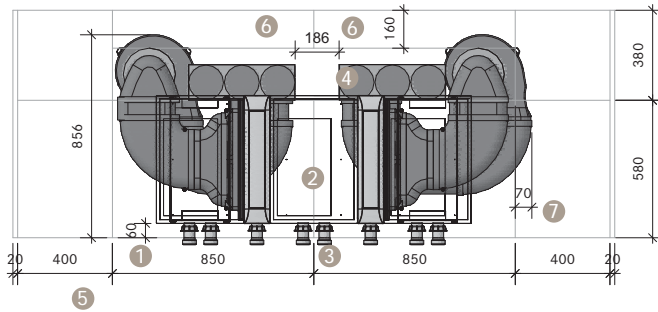
Ecotube duct elements

- 1x EFR90 shallow, round 90° transition
- 2x EFBH90 shallow, horizontal 90° bend
- 1x ERBV90 shallow, vertical 90° bend
- 1x EF1000 shallow duct
- 1x ER1000 round duct
- 7x EFD shallow seal
- 2x ERD round seal

Model plans

PKA – recirculation model plans

PKA 90° – double recirculation version for a kitchen island with a ULS plinth fan, USDR round silencer and upright ULB3 air purification box:



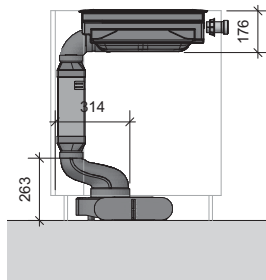
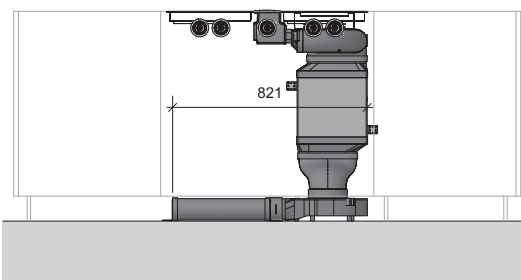
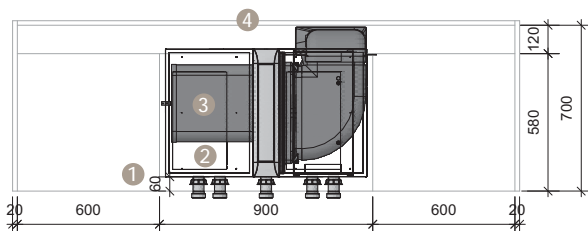
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear and side walls – these must be recessed
- 3 A continuous cover is recommended
- 4 Ensure accessibility for filter changes
- 5 Please provide for an outflow opening of at least 500 cm² per recirculation unit
- 6 The carcass must be shortened
- 7 The plinth fan protrudes over the cooktop floor unit

Ecotube duct elements

- 4x EFBH90 shallow, horizontal 90° bend
- 2x EFR90 shallow, round 90° transition
- 1x ER1000 round duct
- 1x EF1000 shallow duct
- 2x ERBV90 shallow, vertical 90° bend
- 16x EFD shallow seal
- 4x ERD round seal

PKA 90° – recirculation version for a kitchen counter with a ULS plinth fan, USDF shallow silencer and ULB1 air purification box:



Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Ensure accessibility for filter changes
- 4 Provide for an outflow opening of at least 500 cm²
- 5 The bottom drawer must be shortened

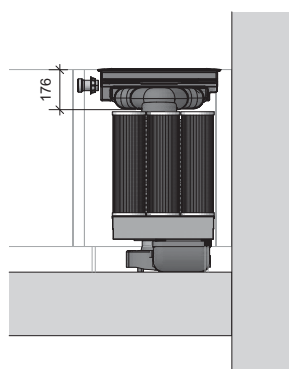
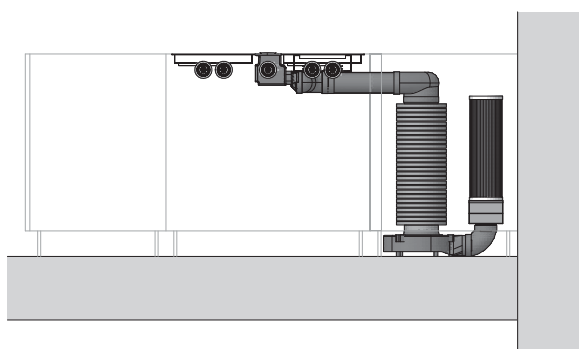
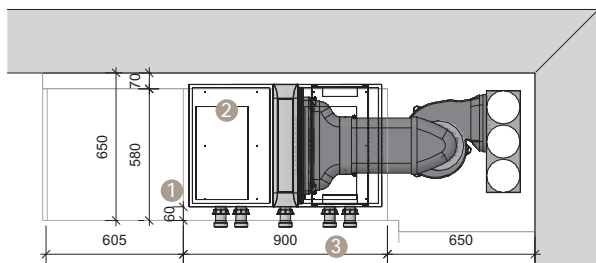
Ecotube duct elements

- 1x ERBV90 shallow, vertical 90° bend
- 1x EFRV shallow, round, offset transition
- 1x EFV shallow duct connection
- 4x EFD shallow seal
- 1x ERD round seal
- 1x EF1000 shallow duct

Model plans

PKA – recirculation model plans

PKA straight – recirculation version for a kitchen counter with a ULS plinth fan, USDR round silencer and ULB3 air purification box:



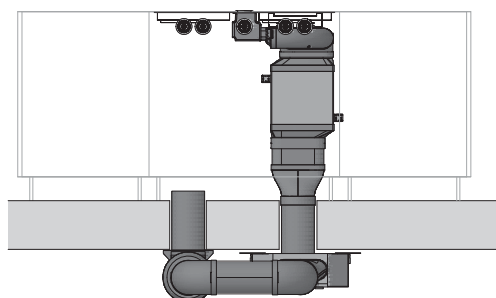
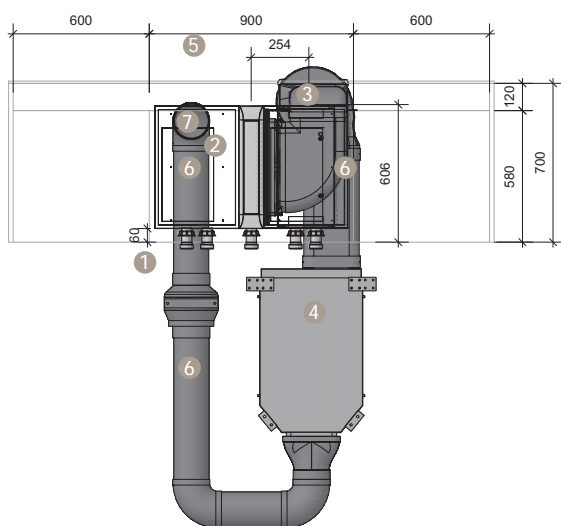
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Provide for an outflow opening of at least 500 cm²

Ecotube duct elements

- 1x EF1000 shallow duct
- 1x EFR90 shallow, round 90° transition
- 1x ER1000 round duct
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFV shallow duct connection
- 5x EFD shallow seal
- 2x ERD round seal

PKA 90° – recirculation version for a kitchen island with a ULS plinth fan, ULIE additional duct fan, USDF shallow silencer, ULB3 air purification box and ULHRO return hood in the basement:

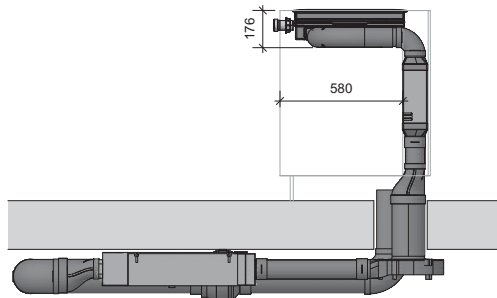


Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Minimum core bore hole diameter: 200 mm
- 4 Ensure accessibility for filter changes
- 5 Provide for an outflow opening of at least 500 cm²
- 6 The motor must be able to suction in and expel air over a straight distance of at least 500 mm
- 7 Core bore hole diameter > 160 mm

Ecotube duct elements

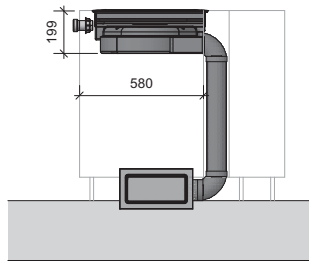
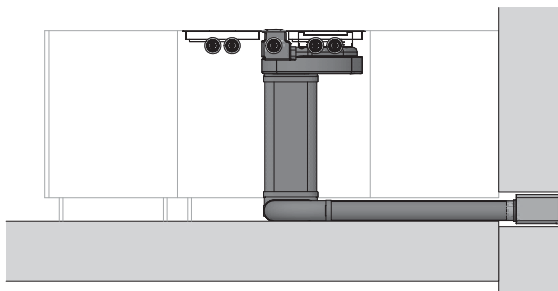
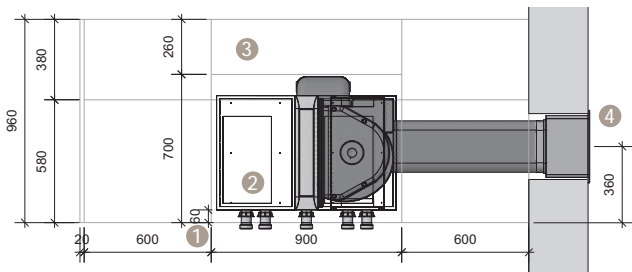
- 1x ERBV90 shallow, vertical 90° bend
- 1x EF1000 shallow duct
- 2x EFRG shallow, round, straight transition
- 3x ER1000 round duct
- 3x EFV shallow duct connection
- 3x ERB90 round 90° bend
- 2x ERV round duct connection
- 10x EFD shallow seal
- 10x ERD round seal



Model plans

PKAS – exhaust air model plans

PKAS – exhaust air version for a kitchen island with airflow to the right:



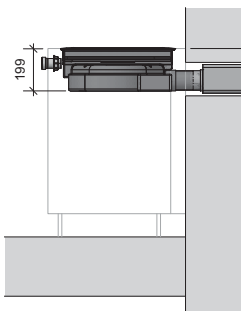
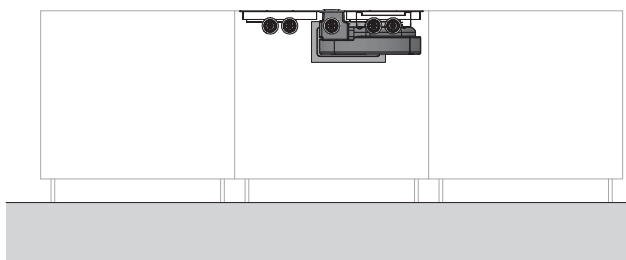
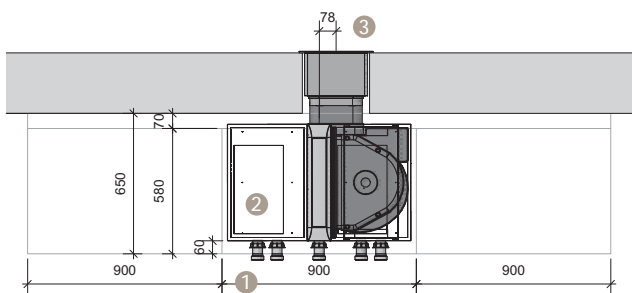
Planning instructions

- ➊ Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- ➋ The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- ➌ The carcass must be shortened
- ➍ Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- 2x ERBV90 shallow, vertical 90° bend
- 1x EFBH 90 shallow, horizontal 90° bend
- 2x EF1000 shallow duct as required
- 1x EFV shallow duct connection
- 7x EFD shallow seal

PKAS – exhaust air version for a kitchen counter with airflow to the back:



Planning instructions

- ➊ Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- ➋ The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- ➌ Minimum wall gap: 330 x 175 mm

Ecotube duct elements

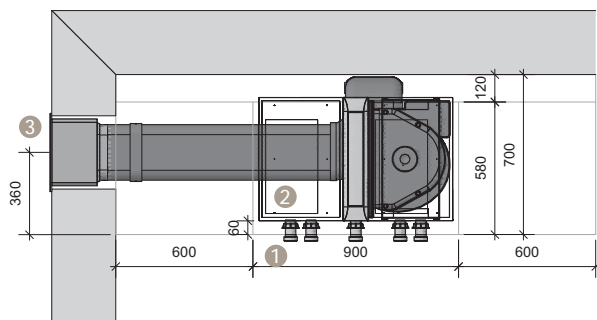
- 1x EFV shallow duct connection
- 1x EF1000 shallow duct
- 2x EFD shallow seal

Model plans



PKAS – exhaust air model plans

PKAS – exhaust air version for a kitchen counter with airflow to the left:

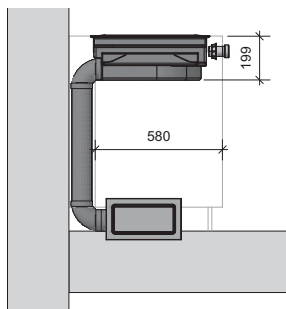
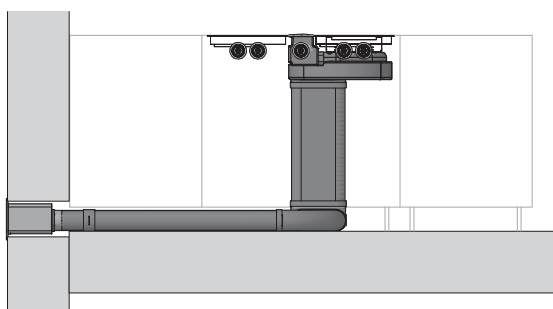


Planning instructions

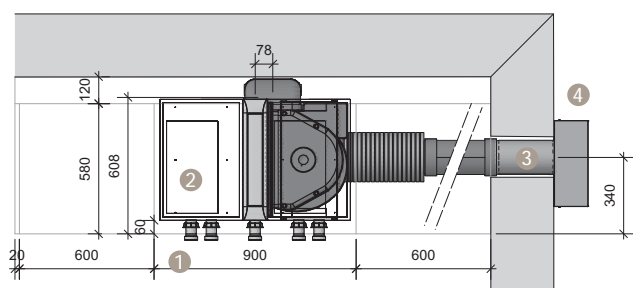
- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- 2x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- 2x EF1000 shallow duct
- 7x EFD shallow seal



PKAS – exhaust version for a kitchen counter with a ULA external wall fan and airflow through the basement to the right:

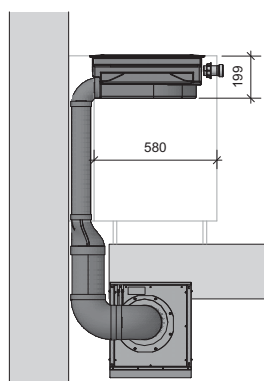
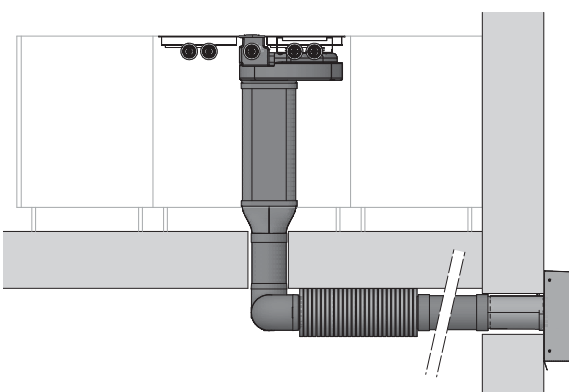


Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Core bore hole diameter > 160 mm
- 4 Must be able to expel air downwards freely at least 40 cm

Ecotube duct elements

- 1x ERBV90 shallow, vertical 90° bend
- 1x EF1000 shallow duct
- 1x EFRG shallow, round, straight transition
- 2x ERB90 round 90° bend
- ERV round duct connection as required
- ER1000 round duct as required
- 3x EFD shallow seal
- ERD round seal as required

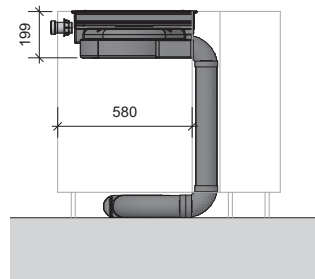
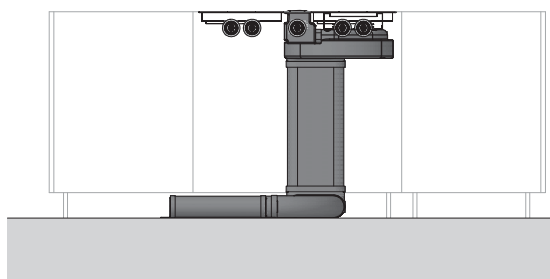
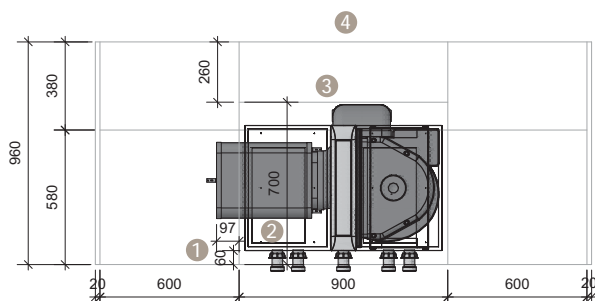


Model plans



PKAS – recirculation model plans

PKAS – recirculation version for a kitchen island with a ULB1 air purification box:



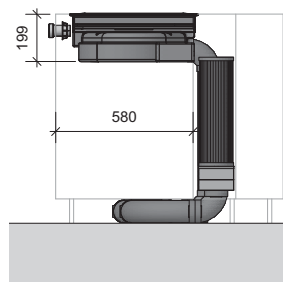
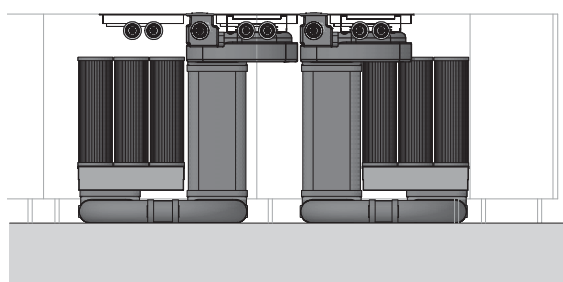
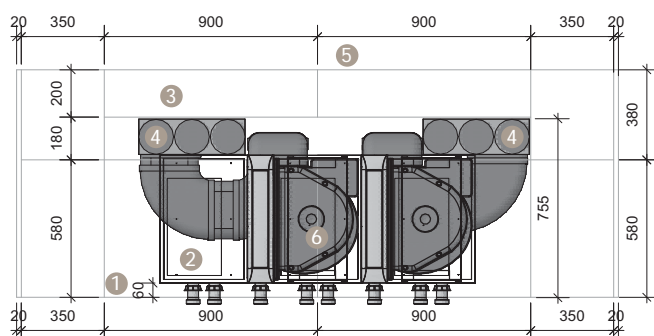
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 The carcass must be shortened
- 4 Provide for an outflow opening of at least 500 cm²

Ecotube duct elements

- 2x ERBV90 shallow, vertical 90° bend
- 1x EF1000 shallow duct
- 1x EFBH90 shallow, horizontal 90° bend
- 6x EFD shallow seal

PKAS – double recirculation version for a kitchen island with a ULB3 air purification box:



Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 The carcass must be shortened
- 4 Ensure accessibility for filter changes
- 5 Provide for an outflow opening of at least 500 cm²
- 6 The maintenance tray cannot be removed if there is a second extractor adjacent to it

Ecotube duct elements

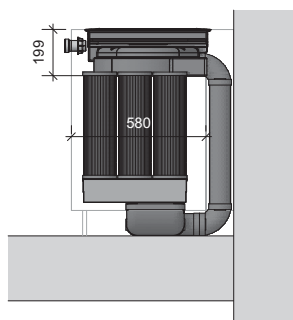
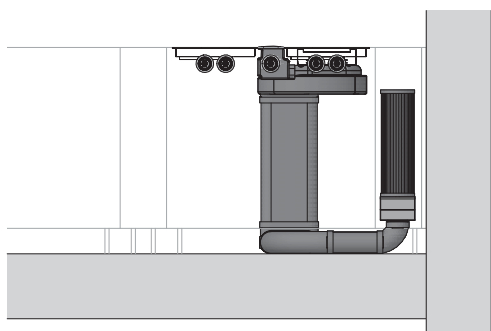
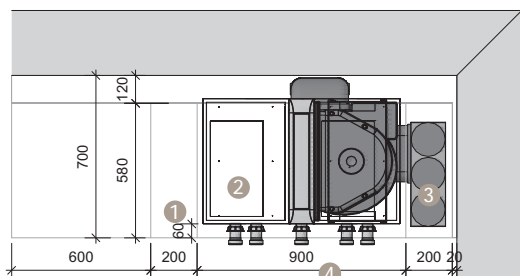
- 6x ERBV90 shallow, vertical 90° bend
- 2x EF1000 shallow duct
- 4x EFBH90 shallow, horizontal 90° bend
- 20x EFD shallow seal

Model plans



PKAS – recirculation model plans

PKAS – recirculation version for a kitchen counter with a ULB3 air purification box on the right:



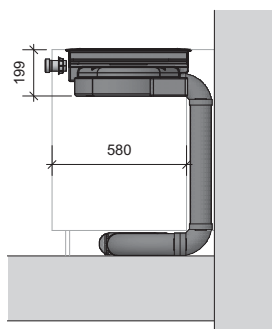
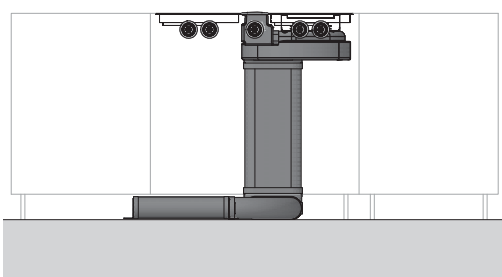
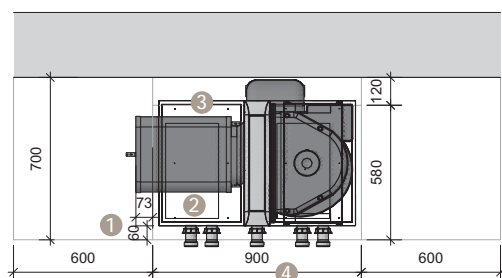
Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 Ensure accessibility for filter changes
- 4 Provide for an outflow opening of at least 500 cm²

Ecotube duct elements

- 3x ERBV90 shallow, vertical 90° bend
- 2x EF1000 shallow duct
- 1x EFBH90 shallow, horizontal 90° bend
- 8x EFD shallow seal

PKAS – recirculation version for a kitchen counter with a ULB1 air purification box:



Planning instructions

- 1 Minimum clearance of 60 mm from the front edge of the cover to the start of the cooktop
- 2 The cooktop and cooktop extractor lie against the rear wall – this must be recessed
- 3 The carcass must be shortened
- 4 Provide for an outflow opening of at least 500 cm²

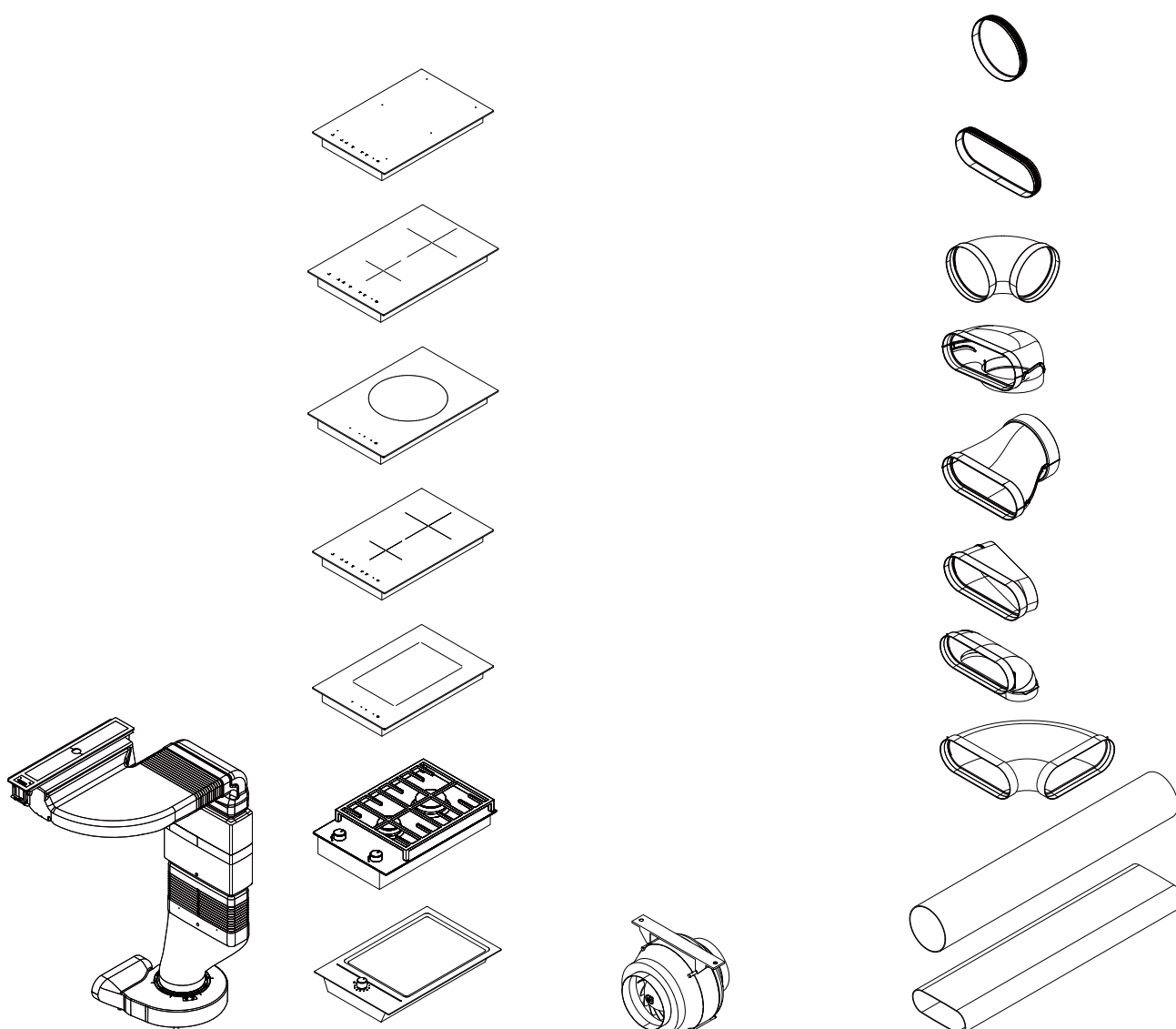
Ecotube duct elements

- 2x ERBV90 shallow, vertical 90° bend
- 1x EF1000 shallow duct
- 1x EFBH90 shallow, horizontal 90° bend
- 6x EFD shallow seal

BORA Classic:

A sophisticated system with a wide range of options.

BORA Classic offers kitchen designers new possibilities for meeting the needs of demanding customers. Equipped with intelligent touch operation, BORA Classic is the perfect highlight for your customers' modern kitchens. This innovation redefines ergonomics and efficiency when cooking. Below is an overview of the simple and well-designed way in which all of the BORA Classic components fit together.



BORA cooktop extractor system
The CKASE BORA Classic cooktop extractor system is perfectly coordinated with the BORA cooktops in the Classic series.

From page 44

BORA cooktops
Whether induction, HiLight or gas – demanding chefs can choose from six cooktops and a Tepan stainless steel grill.

From page 46

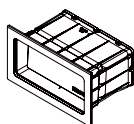
BORA additional duct fan
High-performance ventilation technology for complementing the BORA Classic cooktop extractor system.

From page 101

BORA Ecotube
Airflow optimally tailored to the BORA cooktop extractors.

From page 106

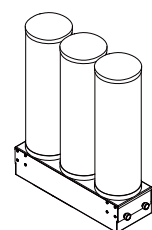
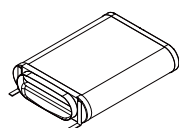
Exhaust air



BORA 3box

From page 114

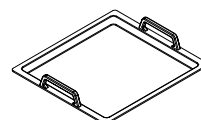
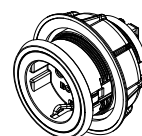
Recirculation



BORA filter

Efficient performance in recirculation mode for customised use in kitchen designs.

From page 102



BORA universal articles

We offer professional quality down to the smallest detail.

From page 115

BORA Classic:

Product overview – cooktop extractors and cooktops

Advantages:

- Minimalistic, flush design
- Simple, intuitive touch control
- Cooktops with a depth of 515 mm are suitable for installation in almost any kitchen
- Free combination of various cooktops from modern surface induction versions to traditional gas cooktops
- New CKAEG air inlet grille available as an accessory as an alternative to standard cover plates

CKASE
Cooktop extractor system



Classic cooktop extractor system

CKAEG
Air inlet grille



Classic air inlet grille

CFI11

Surface induction glass ceramic cooktop



CCH1

Hyper glass ceramic cooktop



CI11

Induction glass ceramic cooktop



CCB1

Hyper glass ceramic cooktop with roaster



CIW1

Induction glass ceramic wok cooktop



CG11

Gas glass ceramic cooktop



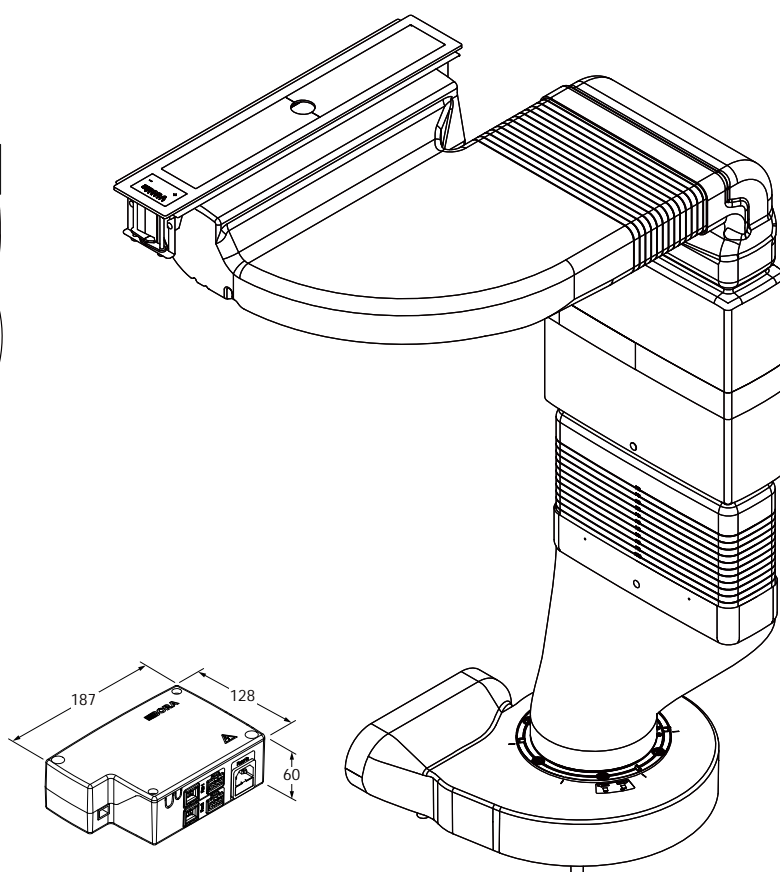
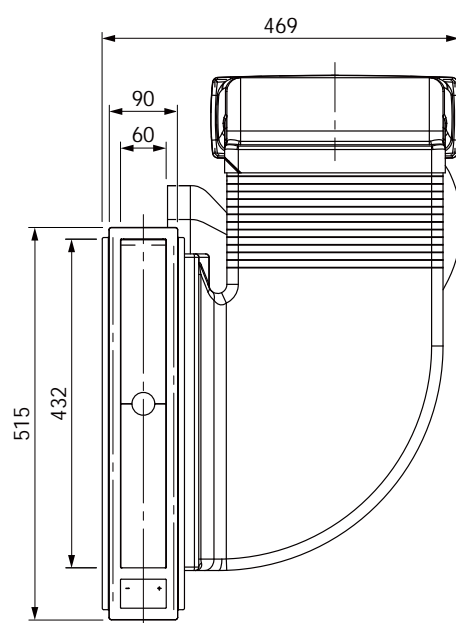
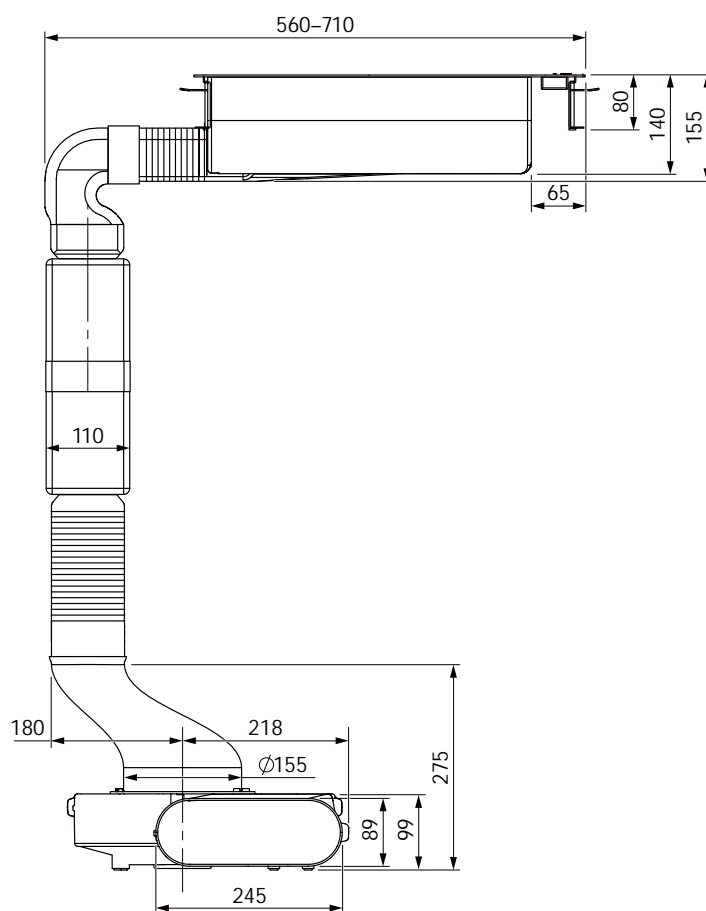
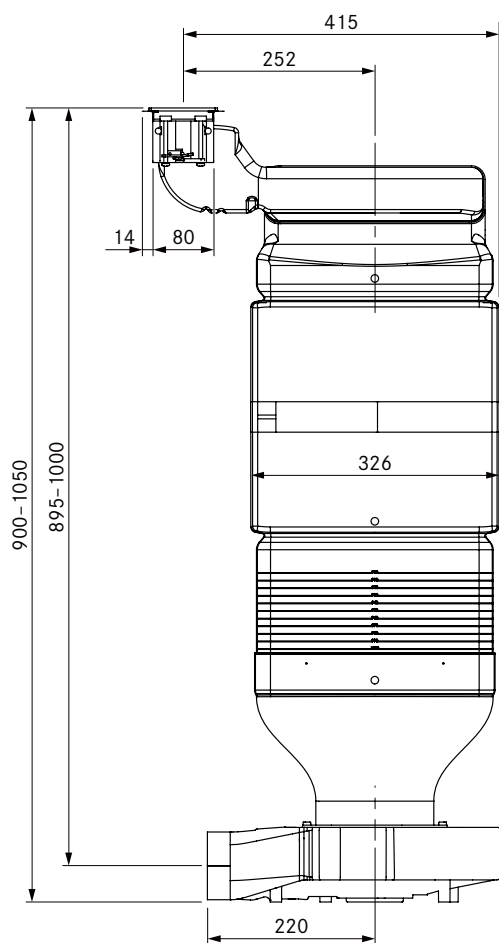
CT11

Tepan stainless steel grill



Classic cooktops

BORA cooktop extractor system



BORA cooktop extractor system

Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	170 W
Fuse protection (internal)	3.15 A
Power supply cable	1 m
Dimensions (WxDxH)	90 x 515 x 140 mm
Weight (incl. accessories/packaging)	11.0 kg
Surface material	Brushed stainless steel
Power levels	1 – 5
Connection on the exhaust side	BORA Ecotube

Product description

- 5 power levels
- Power levels controlled using intelligent touch operation
- Smallest installation dimensions – depth of 600 mm from the front edge
- Stainless steel grease filter
- 20-minute automatic after-run
- Filter service display
- Safety shut-down
- Interface for external devices via Home In or Home Out
- Ability to connect a further BORA ULIE additional duct fan

Scope of delivery

- CKASE cooktop extractor system (cooktop extractor with electronic controls, stainless steel grease filter, substructure module, protective grid, silence module, curved and straight transition pieces and 2 cover plates)
- ULS plinth fan
- CSEE Classic control unit
- CAT 5 communication cable
- Sealing tape for the cooktop extractor
- Sealing tape
- Height adjustment plate set
- Operating and installation instructions
- Power supply cable with type E + F plugs

Planning instructions

- Can be combined with all BORA Classic cooktops
- The worktop height and depth can be flexibly adjusted
- The cooktop extractor system can be installed in a carcass depth of 600 mm
- Exhaust ducting only possible to the right
- Installation type: flush or surface-mounted
- Fan can be positioned in the plinth area as a result of the low installation height (100 mm)
- The Classic control unit can be simply and compactly positioned in the plinth area as the central connection point
- The touch control and Classic control unit are connected via a CAT 5 communication cable
- The drawers and/or shelves in the floor unit must be removable for maintenance and cleaning purposes
- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the plinth fan must be supplemented with a BORA ULIE additional duct fan
- The BORA Ecotube duct system is optimally tailored to the BORA cooktop extractors and guarantees 100% functionality and optimum performance
- The Classic cooktop extractor system can be combined with USTF, USTE, USTJ, USTG and USTL sockets

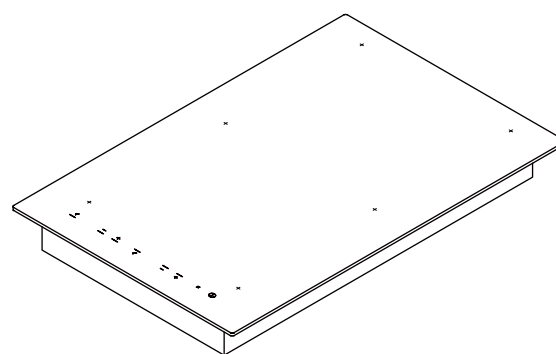
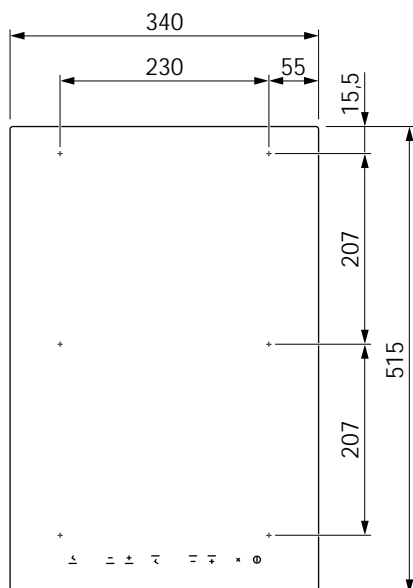
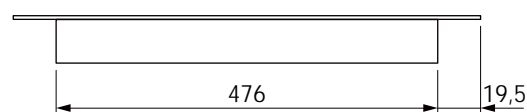
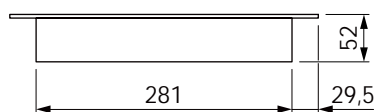
Accessories

- CKAAB0 cover plate (x 1)
- CKAEG air inlet grille
- UEF stainless steel grease filter
- UFH ferrite sleeve set
- UNLI type I power supply cable (AUS)
- UNLJ type J power supply cable (CH)
- UNLG type G power supply cable (GB-IE)

CFI11



BORA surface induction glass ceramic cooktop with 2 cooking zones



Technical data	
Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.7 kW
Maximum power rating	3.7 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/package)	7.2 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 52 mm
Front cooking zone size	230 x 207 mm
Front cooking zone power	2100 W
Front cooking zone power setting	3700 W
Rear cooking zone size	230 x 207 mm
Rear cooking zone power	2100 W
Rear cooking zone power setting	3700 W

Product description

- Automatic cut-off
 - Pause function
 - Automatic heat-up function
 - Heat retention function
 - Timer function
 - Residual heat display
 - Power setting
 - Pan size recognition
 - Childproofing feature
 - Bridging function
- Please note that induction-compatible cookware must be used on induction cooktops
- Make sure that the area below the induction cooktop is sufficiently ventilated – opening cross-section > 50 cm²

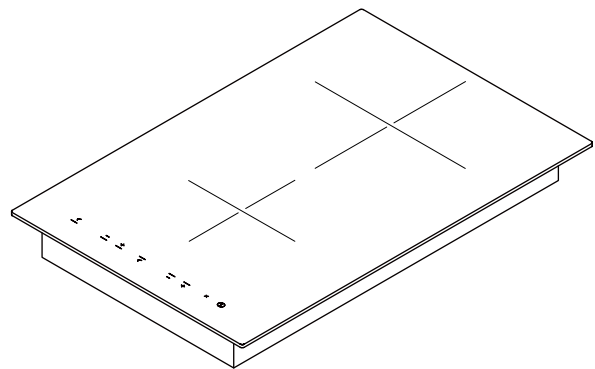
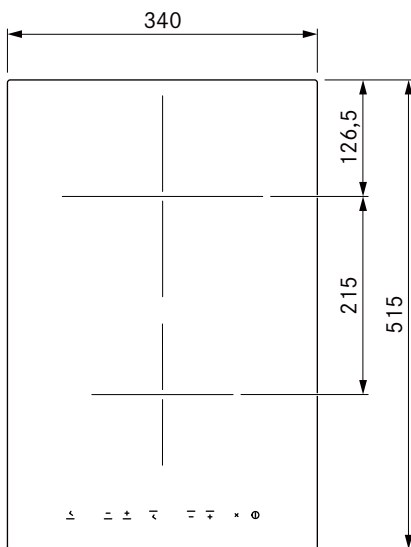
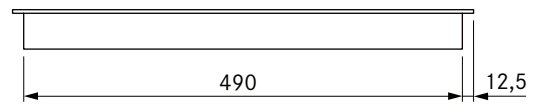
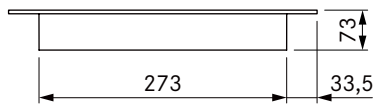
Scope of delivery

- CFI11 surface induction glass ceramic cooktop
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Height adjustment plate set
- Operating and installation instructions

Accessories

- UGPI1 grill pan

BORA induction glass ceramic cooktop with 2 cooking zones



Technical data	
Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.7 kW
Maximum power rating	3.7 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/packaging)	8 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 73 mm
Front cooking zone size	Ø 155 mm
Front cooking zone power	1200 W
Front cooking zone power setting	1400 W
Rear cooking zone size	Ø 220 mm
Rear cooking zone power	2000 W
Rear cooking zone power setting	2300 W

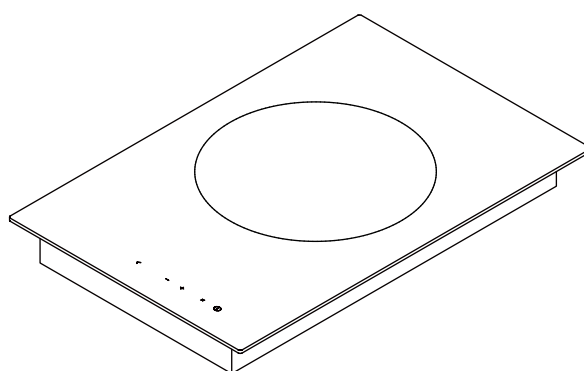
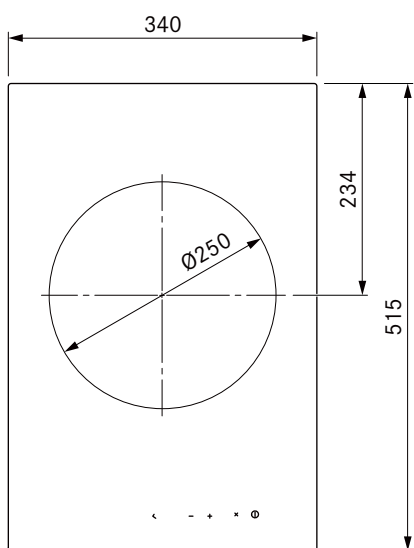
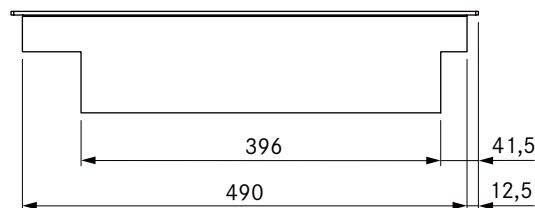
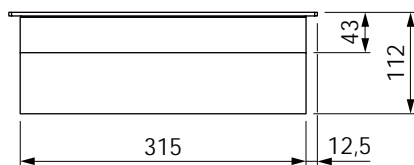
Product description
<ul style="list-style-type: none"> ■ Automatic cut-off ■ Pause function ■ Automatic heat-up function ■ Heat retention function ■ Timer function ■ Residual heat display ■ Power setting ■ Pan size recognition ■ Childproofing feature
<ul style="list-style-type: none"> ■ Please note that induction-compatible cookware must be used on induction cooktops ■ Make sure that the area below the induction cooktop is sufficiently ventilated – opening cross-section > 50 cm²

Scope of delivery
<ul style="list-style-type: none"> ■ CI11 induction glass ceramic cooktop ■ Mounting straps ■ Sealing tape ■ Glass ceramic scraper ■ Height adjustment plate set ■ Operating and installation instructions

CIW1



BORA induction glass ceramic wok cooktop



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.0 kW
Maximum power rating	3.0 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, P
Weight (incl. accessories/package)	9.0 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 112 mm
Cooking zone size	Ø 250 mm
Cooking zone power	2400 W
Cooking zone power setting	3000 W

Product description

- Automatic cut-off
- Pause function
- Timer function
- Residual heat display
- Power setting
- Pan size recognition
- Childproofing feature

Scope of delivery

- CIW1 induction glass ceramic wok cooktop
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Height adjustment plate set
- Operating and installation instructions

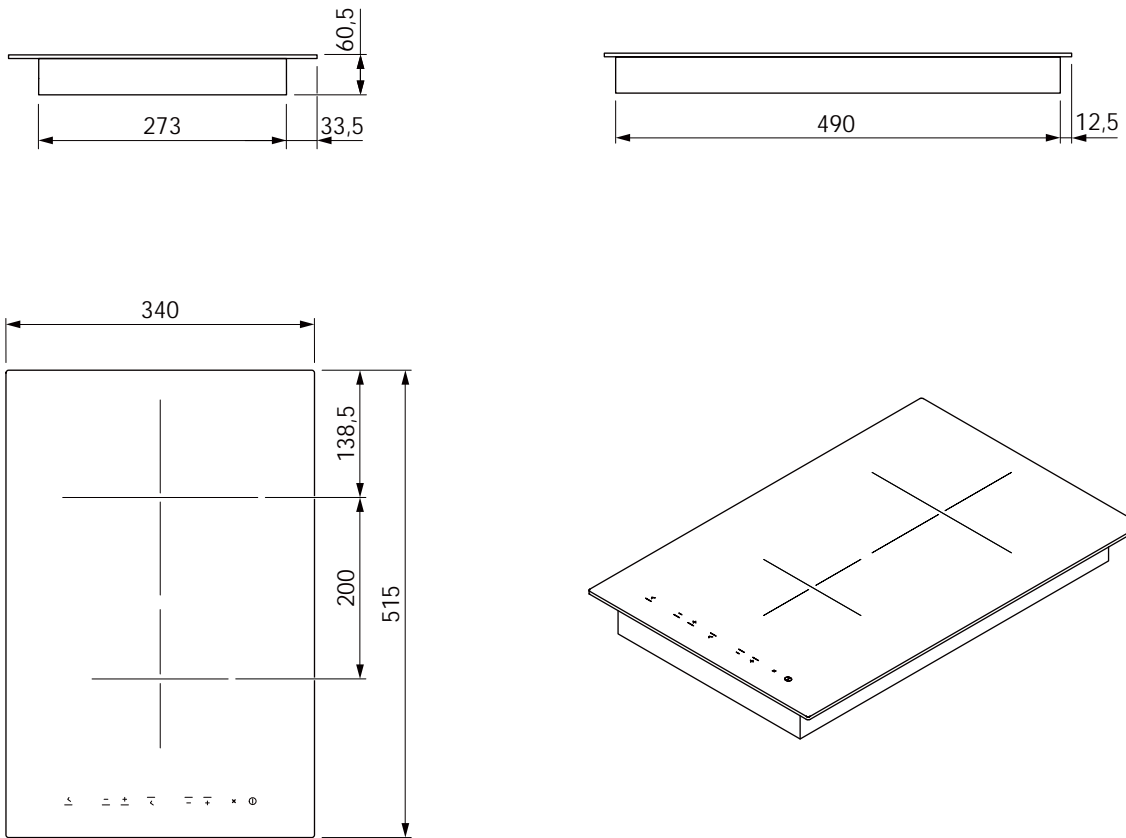
Planning instructions

- If the CIW1 induction glass ceramic wok cooktop is used, the groove dimensions must be increased to 7 mm for flush installation.
- The installation height of 112 mm means that the device cannot be installed over the exhaust ducting. Installation is therefore only possible to the left of the extractor.
- Glass ceramic mould: diameter 250 mm
- A wok must be used that loses its magnetic properties when the temperature rises (overheating protection). We recommend using the BORA induction wok.
- Make sure that the area below the induction cooktop is sufficiently ventilated – opening cross-section > 50 cm²

Accessories

- HIW1 induction wok, Controlinduc®, stainless steel, Ø 360 mm

BORA Hyper glass ceramic cooktop with 2 cooking zones



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.3 kW
Maximum power rating	3.3 kW
Fuse protection	1 x 16 A
Power levels	1 – 9, HY
Weight (incl. accessories/packaging)	6.3 kg
Surface material	SCHOTT CERAN®
Power supply cable	1.5 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 60.5 mm
Front cooking zone size	Ø 150 mm
Front cooking zone power	1200 W
Rear cooking zone size	Ø 215 mm
Rear cooking zone power	2100 W
Rear cooking zone power setting	3000 W

Product description

- Hyper function
- Automatic cut-off
- Pause function
- Automatic heat-up function
- Heat retention function
- Timer function
- Residual heat display
- Childproofing feature

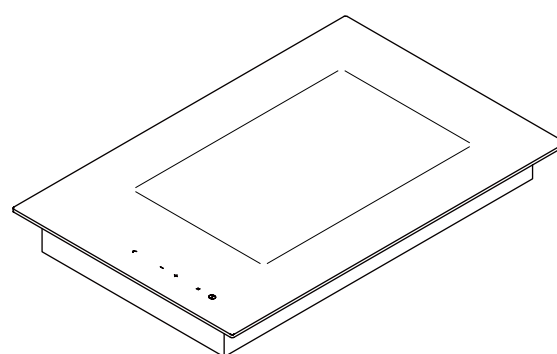
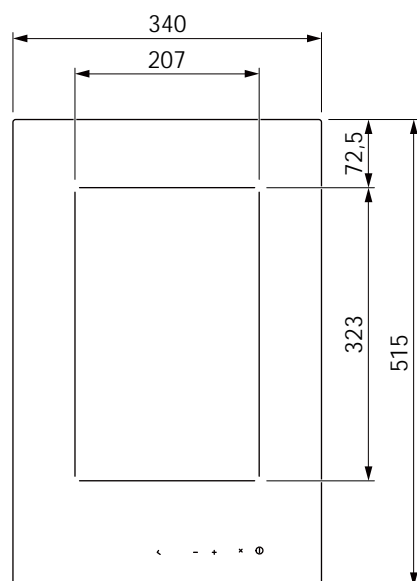
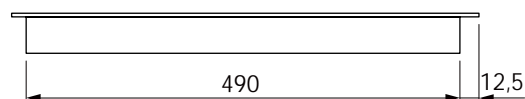
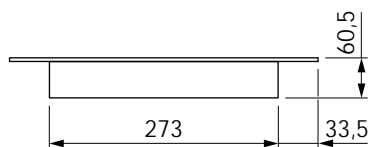
Scope of delivery

- CCH1 Hyper glass ceramic cooktop
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Height adjustment plate set
- Operating and installation instructions

CCB1



BORA HiLight glass ceramic cooktop with roaster



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	1.4 kW
Maximum power rating	1.4 kW
Fuse protection	1 x 16 A
Power levels	1 – 9
Weight (incl. accessories/packaging)	6.7 kg
Surface material	SCHOTT CERAN®
Power supply cable	2 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 60.5 mm
Front cooking zone size	207 x 323 mm
Front cooking zone power	1400 W

Product description

- Automatic cut-off
- Pause function
- Automatic heat-up function
- Heat retention function
- Timer function
- Residual heat display
- Childproofing feature
- The UGPC1 grill pan is specially designed for use with the CCB1 cooktop

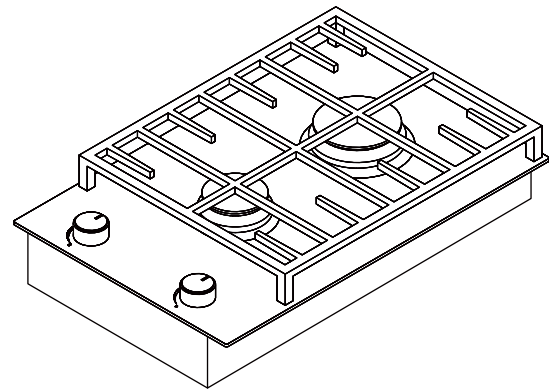
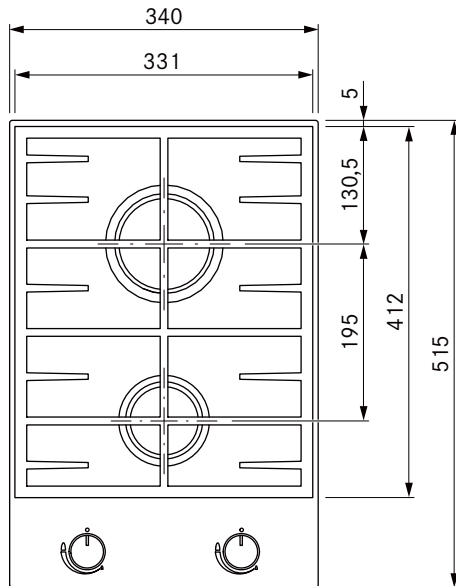
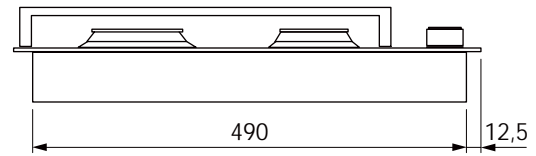
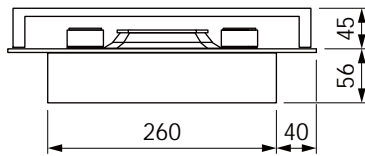
Scope of delivery

- CCB1 HiLight glass ceramic cooktop
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Height adjustment plate set
- Operating and installation instructions

Accessories

- UGPC1 grill pan

BORA gas glass ceramic cooktop with 2 cooking zones



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	3.9 kW
Maximum power rating	1.1 W
Fuse protection	1 x 0.5 A
Power levels	Freely adjustable
Weight (incl. accessories/packaging)	9.7 kg
Surface material	SCHOTT CERAN®
Power supply cable	1 m, Schuko plug types E + F
Dimensions (WxDxH)	340 x 515 x 56 mm
High-power burner	2900 W
Normal burner	1000 W

Product description

- 2-flame gas cooktop with high-power and normal burners
- Childproofing feature
- Removable pan support

- Please note the local regulations and connection requirements applicable to gas cooktops!
- When combining two CG11 gas glass ceramic cooktops and a CKASE cooktop extractor, two CKAAB0 cover plates must be additionally ordered as an air baffle.

Scope of delivery

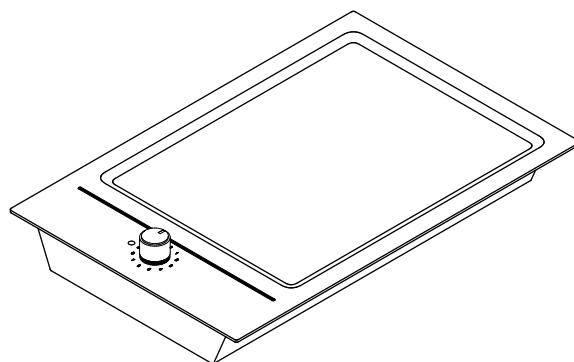
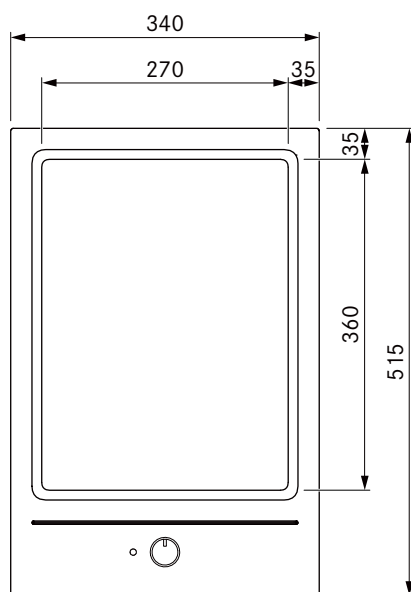
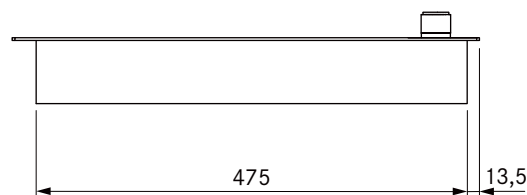
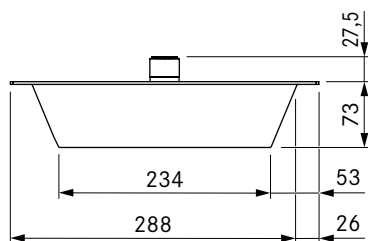
- CG11 gas glass ceramic cooktop
- Brushed stainless steel knob
- Nozzle set:
Natural gas: 20/25 mbar
Liquid gas: 28-30/37/50 mbar
- Mounting straps
- Sealing tape
- Flexible gas connection for simple installation, length 500 mm, 1/2" outer thread
- Glass ceramic scraper
- Height adjustment plate set
- Operating and installation instructions

Planning instructions

- The CKAEG air inlet grille cannot be combined with the gas cooktop

CT1

BORA Tepan stainless steel grill



Technical data

Supply voltage	220 – 240 V
Frequency	50/60 Hz
Maximum power consumption	2.8 kW
Maximum power rating	2.8 kW
Fuse protection	1 x 13 A
Power levels	1 – 9, freely adjustable
Weight (incl. accessories/packaging)	12 kg
Surface material	Brushed stainless steel
Power supply cable	2 m (L, N, PE)
Dimensions (WxDxH)	340 x 515 x 73 mm
Cooking zone size	270 x 360 mm
Cooking zone power	2800 W

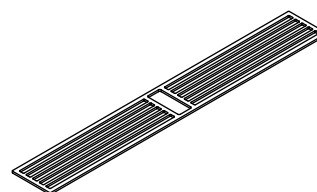
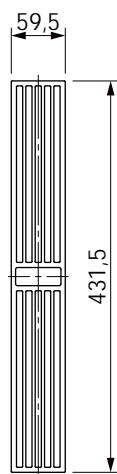
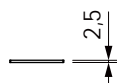
Product description

- Full-surface Tepan stainless steel grill with one cooking zone
- 6 mm deep-drawn and brushed stainless steel with rounded inner corners for simple cleaning
- Freely adjustable temperature control 1 – 9

Scope of delivery

- CT1 Tepan stainless steel grill
- Mounting straps
- Brushed stainless steel knob
- PTTS1 Tepan scraper
- Sealing tape
- Height adjustment plate set
- Operating and installation instructions

Air inlet grille for the BORA Classic cooktop extractor system



Technical data

Dimensions (WxDxH)	59.5 x 2.5 x 431.5 mm
Weight (incl. accessories/packaging)	0.23 kg
Material	Polished stainless steel

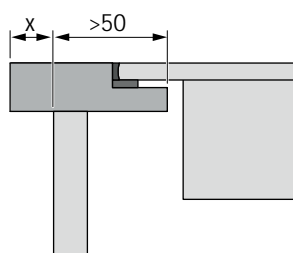
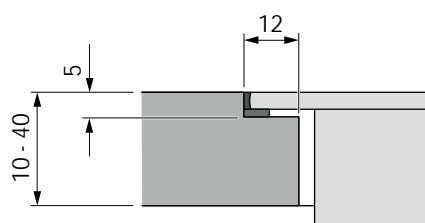
Product description

- Air inlet grille for CKAS and CKASE BORA Classic cooktop extractor systems
- Polished stainless steel
- Dishwasher safe
- Can remain in the extractor while it is commissioned
- Accessory
- Not suitable as an air baffle or in combination with Classic gas glass ceramic cooktops

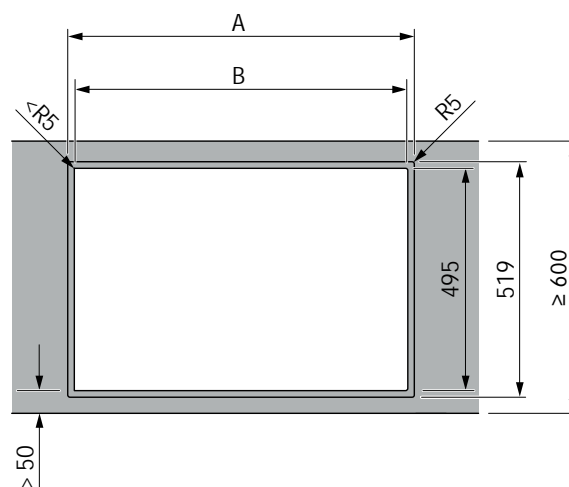
Cut-out dimensions



BORA Classic – flush installation



All dimensions from the front edge of the front cover.



Cooktops/cooktop extractor	A in mm	B in mm
	1/0 344	320
	1/1 485	457
	2/1 776	752
	3/2 1208	1184
	4/2 1549	1525

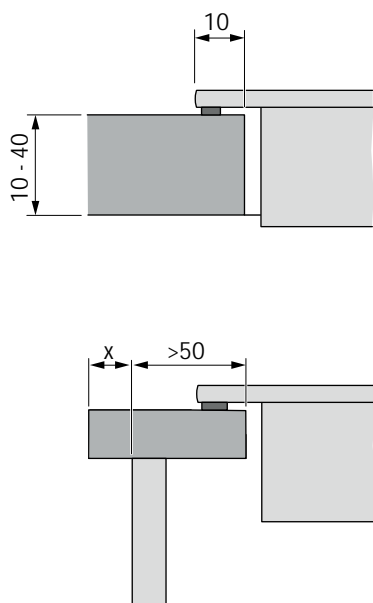
Cut-out dimensions tolerance +/- 2 mm.
Clearance of 1 mm should be planned between the built-in appliances.
Clearance of 2 mm should be planned around the built-in appliances.

Important planning instructions:

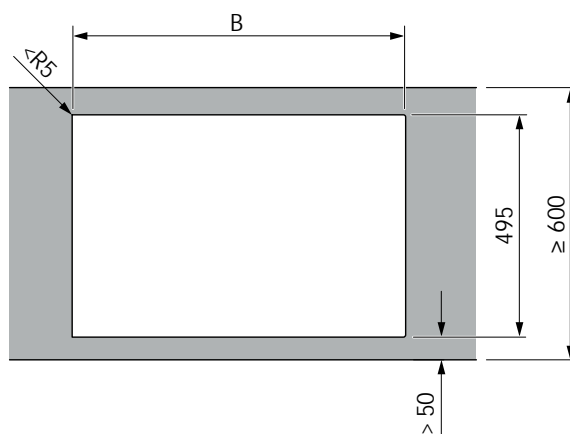
- If the CIW1 induction glass ceramic wok cooktop is used, the groove dimensions must be increased to 7 mm for flush installation.
- Please note the worktop manufacturer's instructions with regard to the suitability of the worktop. Worktop cut-outs must be moisture-sealed using suitable means or, where necessary, fitted with a thermal insulator (e.g. in the case of Corian or HiMacs worktops).
- A mounting rail must be installed between adjacent cooktops.




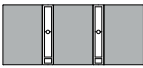

Cut-out dimensions

BORA Classic | Surface mounting



All dimensions from the front edge of the front cover.



Cooktops/cooktop extractor	B in mm
	1/0 320
	1/1 457
	2/1 752
	3/2 1184
	4/2 1525

Cut-out dimensions tolerance ± 2 mm.

Clearance of 1 mm should be planned between the built-in appliances.

Clearance of 2 mm should be planned around the built-in appliances.

Important planning instructions:

- Please note the worktop manufacturer's instructions with regard to the suitability of the worktop. Worktop cut-outs must be moisture-sealed using suitable means or, where necessary, fitted with a thermal insulator (e.g. in the case of Corian or HiMacs worktops).
- A mounting rail must be installed between adjacent cooktops.

Energy efficiency



CKASE BORA Classic cooktop extractor system

CKASE Classic

Product description

Classic cooktop extractor system with ULS plinth fan CKASE

Operating mode Exhaust air

Energy consumption Value EN standard

Annual energy consumption (AEC_{hood}) 24 kWh/a 61591

Energy efficiency class A++ 61591

Flow volume

Fluid dynamic efficiency (FDE_{hood}) 38.4 61591

Fluid dynamic efficiency class A 61591

Lighting

Lighting efficiency (LE_{hood}) * lx / Watt *

Lighting efficiency class * *

Grease filtering

Level 5 maximum (GFE_{hood}) 47% 61591

Class level 5 normal F 61591

Flow volume

Air flow level 1 minimum 224 m³/h 61591

Air flow level 5 maximum (Q_{Max}) 609 m³/h 61591

Sound power level

Level 1 minimum 46 dB (A) 60704 - 2 - 13

Level 5 maximum 67 dB (A) 60704 - 2 - 13

Sound pressure level (additional details)

Level 1 minimum 33 dB (A) **

Level 5 maximum 55 dB (A) **

Details according to 66/2014

Power consumption in off mode (P_o) < 0.5 W 61591

Time increase factor 0.6 61591

Energy efficiency index (EEI_{hood}) 31.7 61591

Air volume flow at the best efficiency point (Q_{BEP}) 280.8 m³/h 61591

Pressure at the best efficiency point (P_{BEP}) 536 Pa 61591

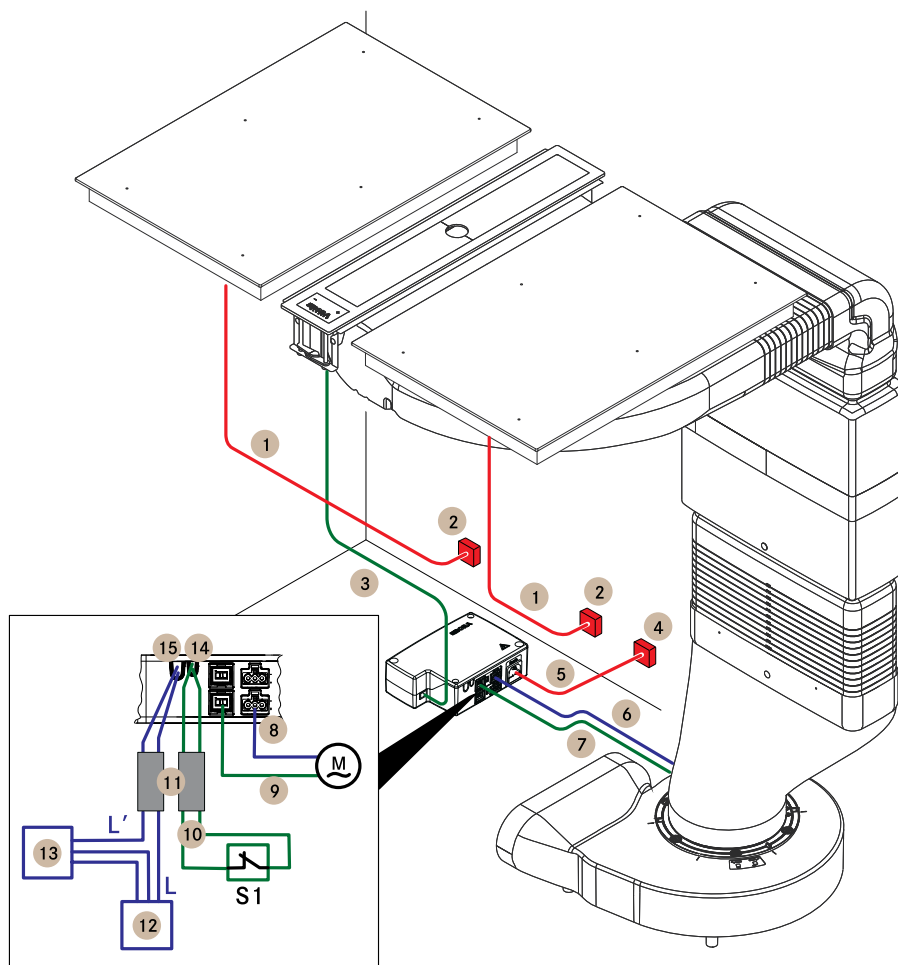
Electric power input at the best efficiency point (W_{BEP}) 109 W 61591

* This specification is not applicable for this product.

** The sound pressure level has been determined from a distance of 1 m (distance-dependent level recording) on the basis of the sound power level established in EN 60704 - 2 - 13.

Connection diagram

Classic connection diagram



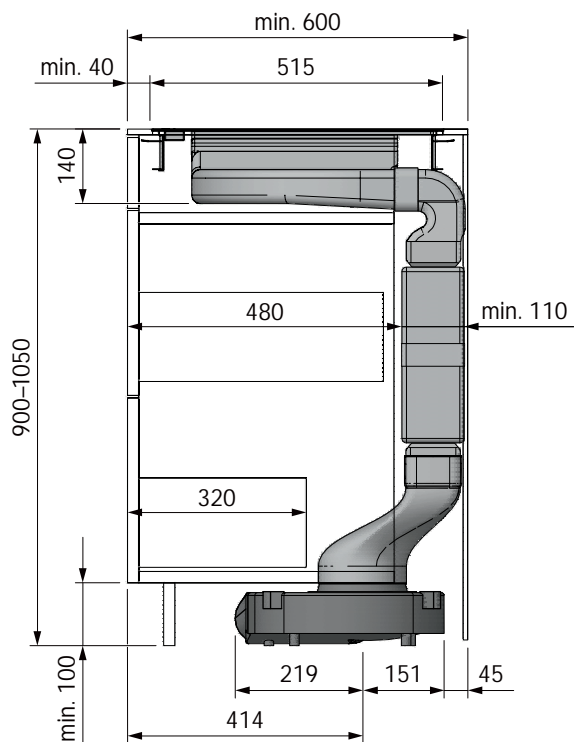
Position	Description	Note
1	Cooktop power supply cable	Length 2m
2	Power supply per cooktop: CT1 CG11 CFI11, CI11, CIW1, CCH1, CCB1	L/N/PE min. fuse protection 1 x 13 A L/N/PE min. fuse protection 1 x 0.5 A L/N/PE min. fuse protection 1 x 16 A
3	CAT 5 communication cable	
4	Control unit power supply	L/N/PE
5	Control unit power supply cable	With type E + F plugs
6	Plinth fan power supply cable	
7	Plinth fan control line	
8	Additional fan power supply cable	
9	Additional fan control line	Not required with the ULIE
M	Additional fan	
10	Connection cable Home-In	Max. length 10 m
S1	External switch contact	E.g. window contact switch for operating in exhaust mode with flues/fireplaces
11	Ferrite sleeves	Set product no. UFH
12	Power supply for external device	–
13	External device	E.g. electrically operated wall sleeve
14	Home-In connection	24V DC / 100 mA
15	Home-Out connection	Maximum 250 VAC/30 VDC, 2.5 A

Note: based on the cable range, the control unit can be installed freely or wall mounted. The control unit must be accessible. The connection diagram shows the maximum connection options required and is for planning purposes only. The connection itself must be carried out by a qualified specialist based on the operating instructions.

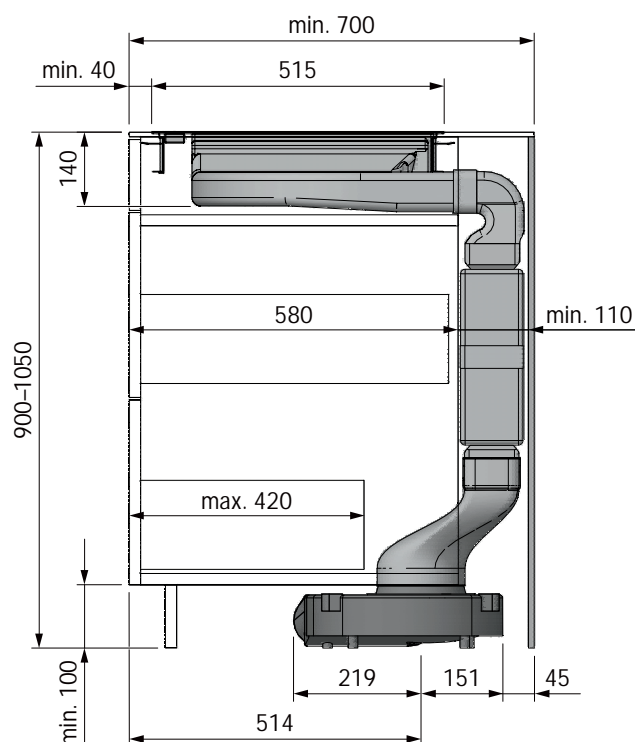
Installation cut-outs

BORA Classic

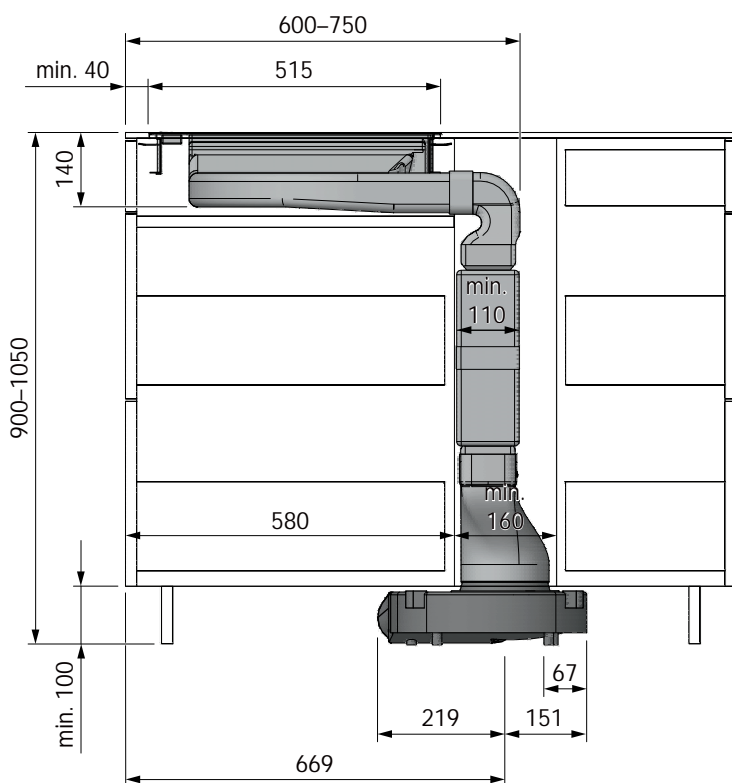
Installation cut-out Classic 600 mm:



Installation cut-out Classic 700 mm:



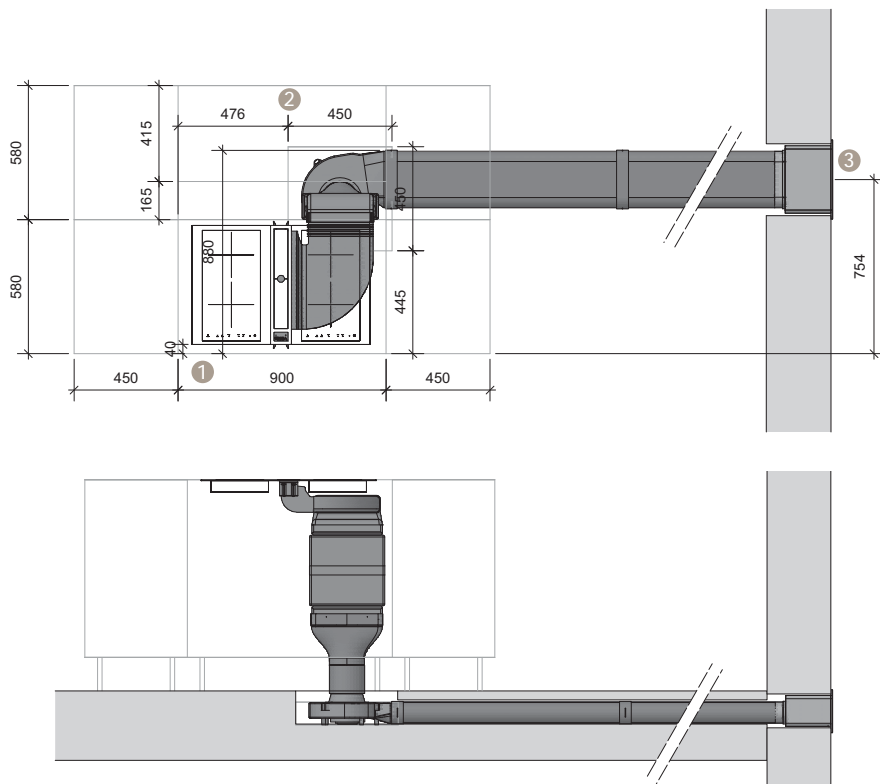
Installation cut-out Classic island:



Model plans

Classic model plans – exhaust air

CKASE – exhaust air version for a kitchen island with airflow in the floor to the right:

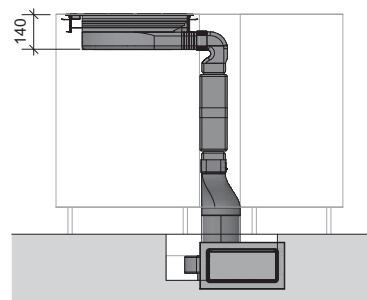


Planning instructions

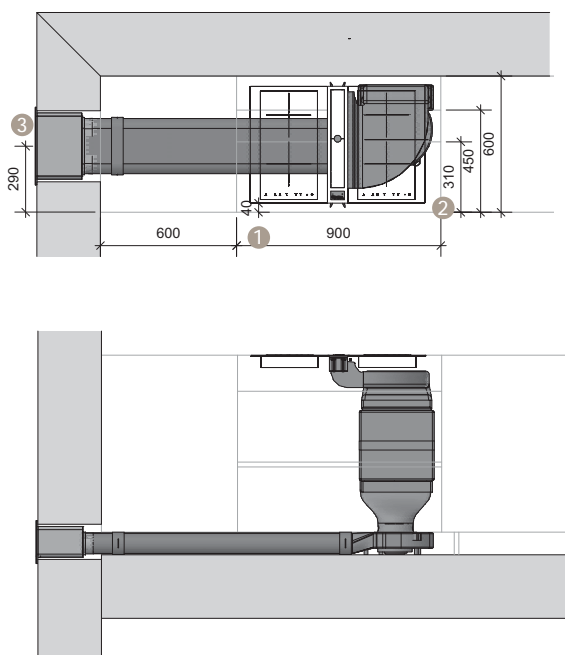
- 1 Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- 2 The carcass must be shortened
- 3 Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- EF1000 shallow duct as required
- EFV shallow duct connection as required
- EFD shallow seal as required



CKASE – exhaust air version for a kitchen island with airflow in the plinth to the left:

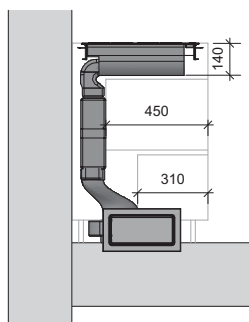


Planning instructions

- 1 Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- 2 The carcass must be shortened
- 3 Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- 1x EF1000 shallow duct
- 1x EFV shallow duct connection
- 3x EFD shallow seal



Model plans



Classic model plans – exhaust air

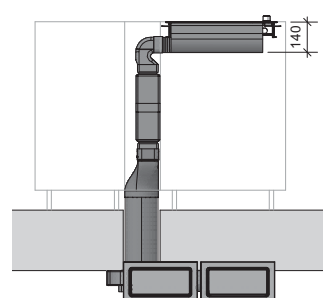
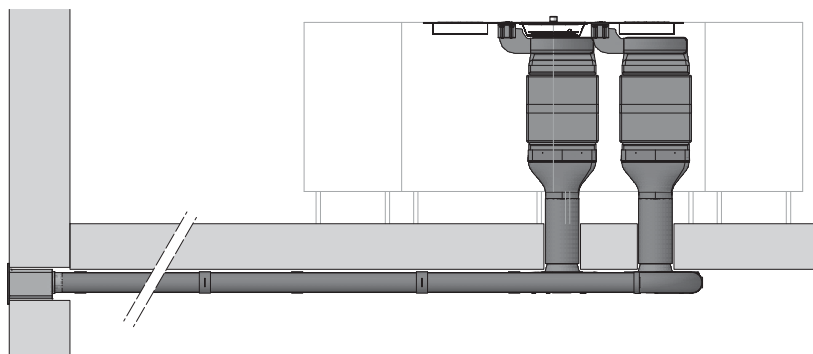
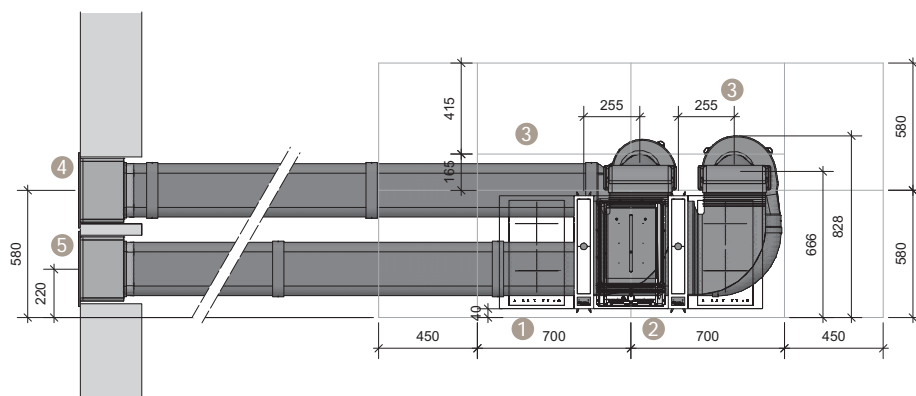
CKASE – double exhaust air version for a kitchen island with airflow to the left in the basement:

Planning instructions

- 1 Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- 2 We recommend using a continuous cover
- 3 The carcass must be shortened
- 4 Minimum wall gap: 330 x 175 mm
- 5 Minimum core bore hole diameter: 200 mm

Ecotube duct elements

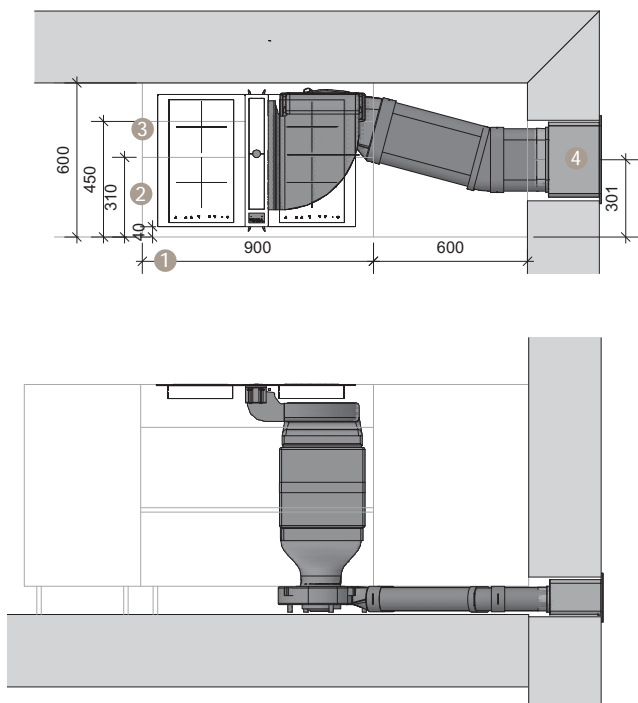
- EF1000 shallow duct as required
- EFV shallow duct connection as required
- EFD shallow seal as required
- 1x EFBH90 shallow, horizontal 90° bend
- 1x ER1000 round duct
- 2x ERV round duct connection
- 2x ERD round seal



Model plans

Classic model plans – exhaust air

CKASE – exhaust air version for a kitchen counter with airflow to the right in the plinth:



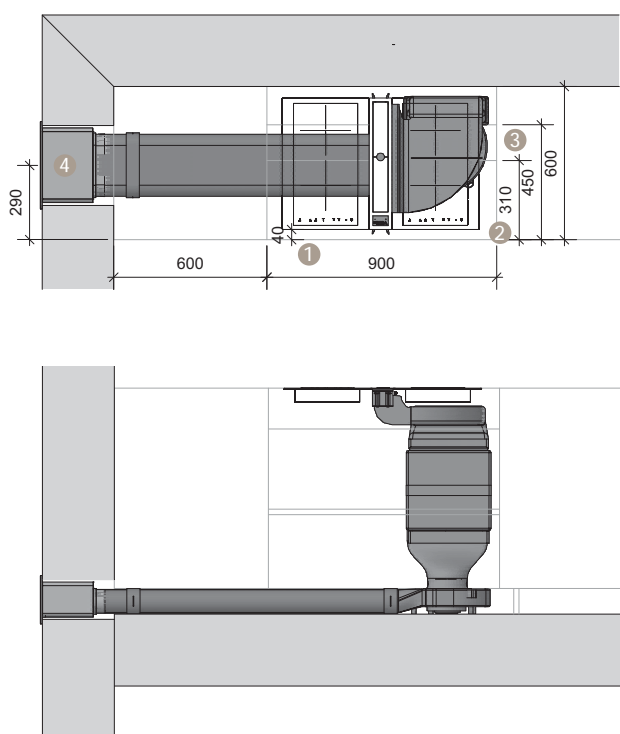
Planning instructions

- ① Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- ② The bottom drawer must be shortened
- ③ The carcass must be shortened
- ④ Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- 2x EFV shallow duct connection
- 1x EF1000 shallow duct
- 1x EFBH15 shallow, horizontal 15° bend
- 5x EFD shallow seal

CKASE – exhaust air version for a kitchen counter with airflow to the left in the plinth:



Planning instructions

- ① Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- ② The bottom drawer must be shortened
- ③ The carcass must be shortened
- ④ Minimum wall gap: 330 x 175 mm

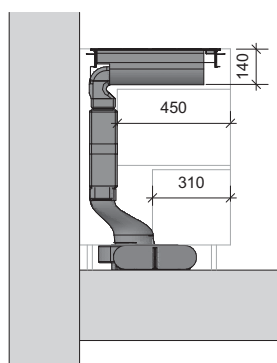
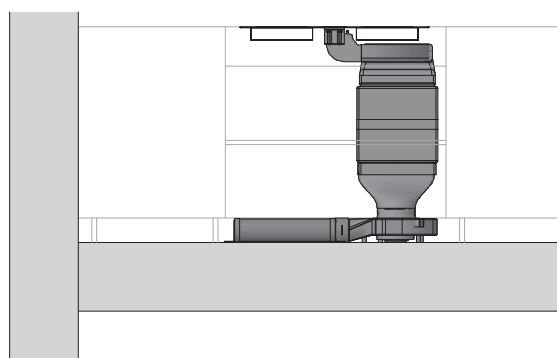
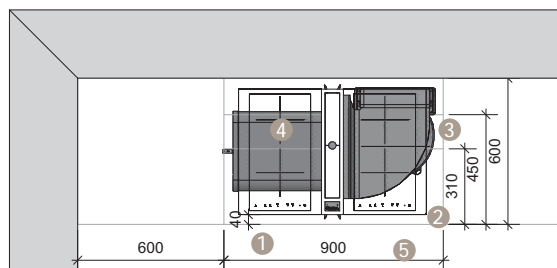
Ecotube duct elements

- 2x EFV shallow duct connection
- 1x EF1000 shallow duct
- 5x EFD shallow seal

Model plans

Classic model plans – recirculation

CKASE – recirculation version for a kitchen counter with a ULB1 air purification box to the left:



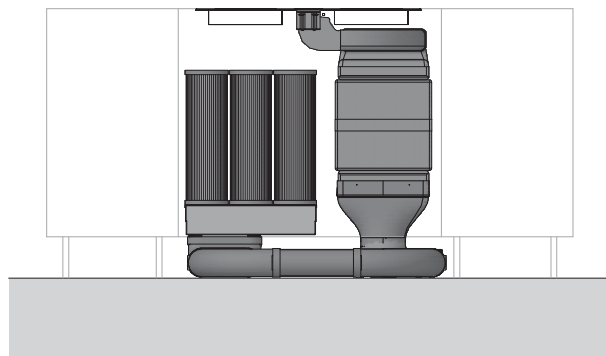
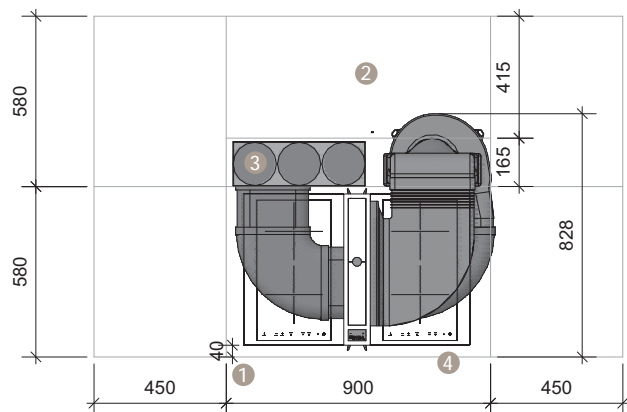
Planning instructions

- ① Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- ② The carcass must be shortened
- ③ Provide for an outflow opening of at least 500 cm² per recirculation unit
- ④ Ensure accessibility for filter changes
- ⑤ The cooktop and cooktop extractor lie against the rear wall – this must be recessed

Ecotube duct elements

- 1x EFV shallow duct connection
- 2x EFD shallow seal

CKASE – recirculation version for a kitchen island with an upright ULB3 air purification box:

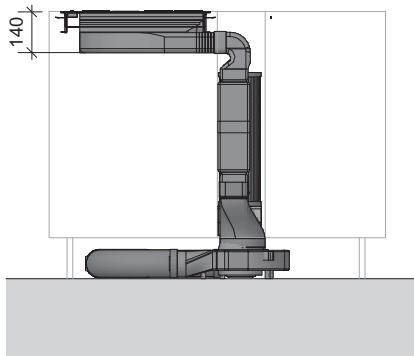


Planning instructions

- ① Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- ② The carcass must be shortened
- ③ Ensure accessibility for filter changes
- ④ Provide for an outflow opening of at least 500 cm²

Ecotube duct elements

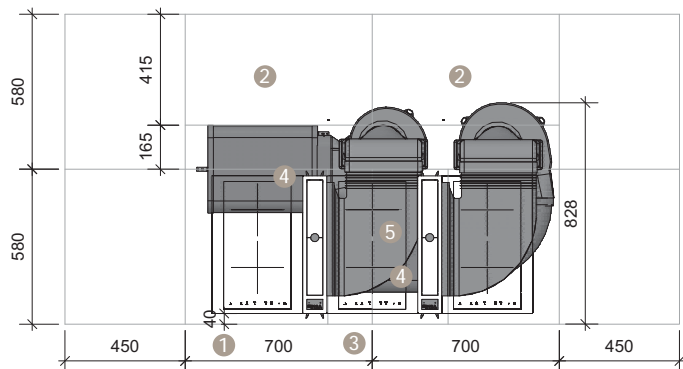
- 2x EFBH90 shallow, horizontal 90° bend
- 1x EF1000 shallow duct
- 1x ERBV90 shallow, vertical 90° bend
- 6x EFD shallow seal



Model plans

Classic model plans – recirculation

CKASE – double recirculation version for a kitchen island with a ULB1 air purification box to the left:

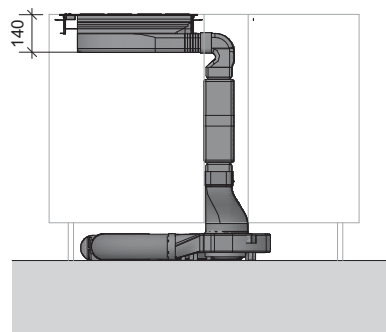
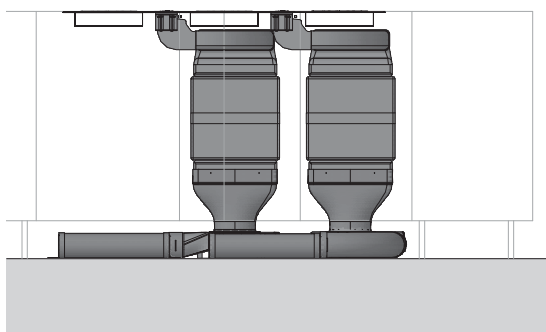


Planning instructions

- ❶ Minimum clearance of 40 mm from the front edge of the cover to the start of the cooktop
- ❷ The carcass must be shortened
- ❸ Provide for an outflow opening of at least 500 cm² per recirculation unit
- ❹ Ensure accessibility for filter changes
- ❺ The cooktop and cooktop extractor lie against the rear wall – this must be recessed

Ecotube duct elements

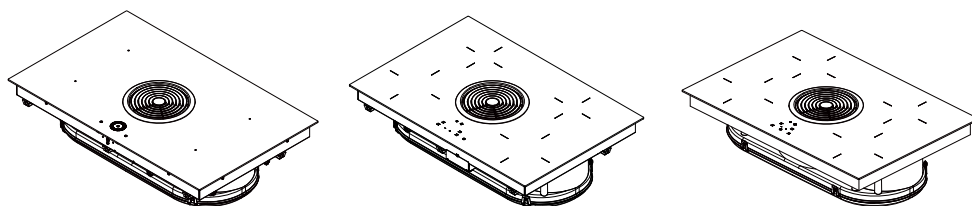
- 1x EFBH90 shallow, horizontal 90° bend
- 1x EF1000 shallow duct
- 1x EFV shallow duct connection
- 4x EFD shallow seal



BORA Basic:

Brings together what belongs together.

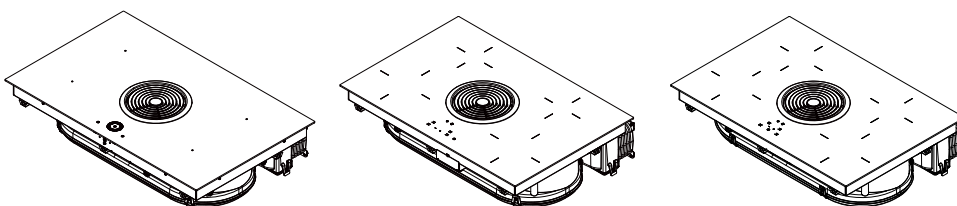
BORA Basic is the revolution in modern kitchens: a cooktop and extractor in one compact unit. The complete set for use in recirculation mode can be installed and ready to use in just a few minutes. The exhaust model only has to be connected with the appropriate ducts and a wall sleeve. If you are looking for a solution that is both aesthetically pleasing and impressively effective, BORA Basic is a compelling choice for customised kitchens.



Exhaust air

BORA Basic exhaust systems
Efficient performance redefined
and simple to adapt to any kitchen
environment.

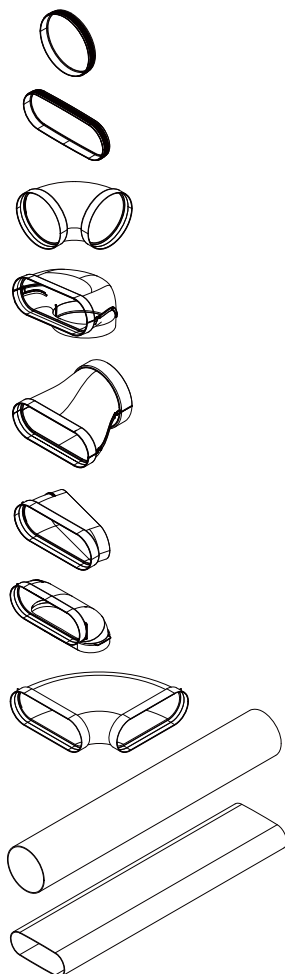
From page 68



Recirculation

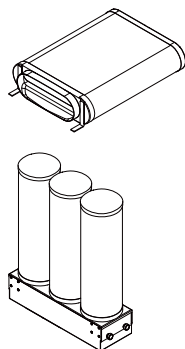
BORA Basic recirculation systems
Equipped with a high-performance
activated charcoal filter, BORA Basic is
the all-in-one solution for every kitchen.

From page 70



BORA Ecotube
Duct elements optimally tailored to the BORA cooktop extractors.

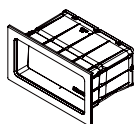
From page 106



Recirculation

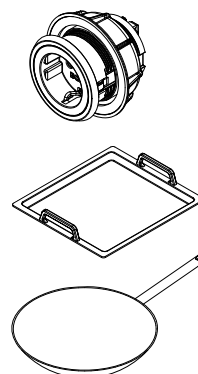
BORA filter
Efficient performance in recirculation mode for customised use in kitchen designs.

From page 102



BORA 3box
Find out how the BORA wall sleeve affects the efficiency of the entire exhaust system.

From page 114



BORA universal articles
We offer professional quality down to the smallest detail.

From page 115

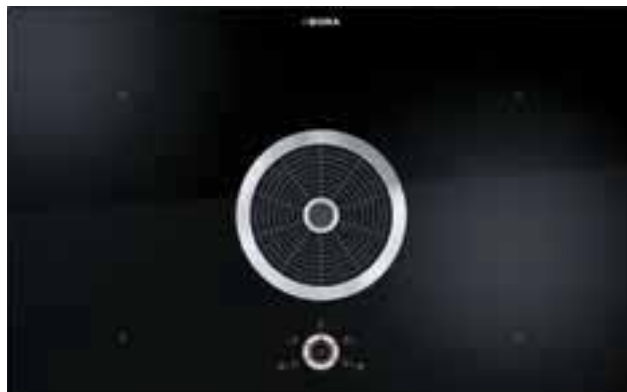
BORA Basic:

Product overview – cooktops with a cooktop extractor

Advantages:

- Compact unit comprising a powerful cooktop and an effective cooktop extractor
- A low installation height and the integrated recirculating air filter unit enable optimum use of the space available in the floor unit
- Flush installation or surface mounting, now also with a brushed stainless steel cooktop frame
- Cooktop and extractor can be simply and intuitively operated using a central touch control
- Large cooking zones make it possible to cook with two large pans behind one another despite the compact system dimensions

BFIA/BFIU Surface induction glass ceramic cooktop with cooktop extractor – exhaust air/recirculation



BIA/BIU Induction glass ceramic cooktop with cooktop extractor – exhaust air/recirculation



BHA/BHU Hyper glass ceramic cooktop with cooktop extractor – exhaust air/recirculation



Basic cooktops with a cooktop extractor

BKR760/BKR830
Cooktop frame

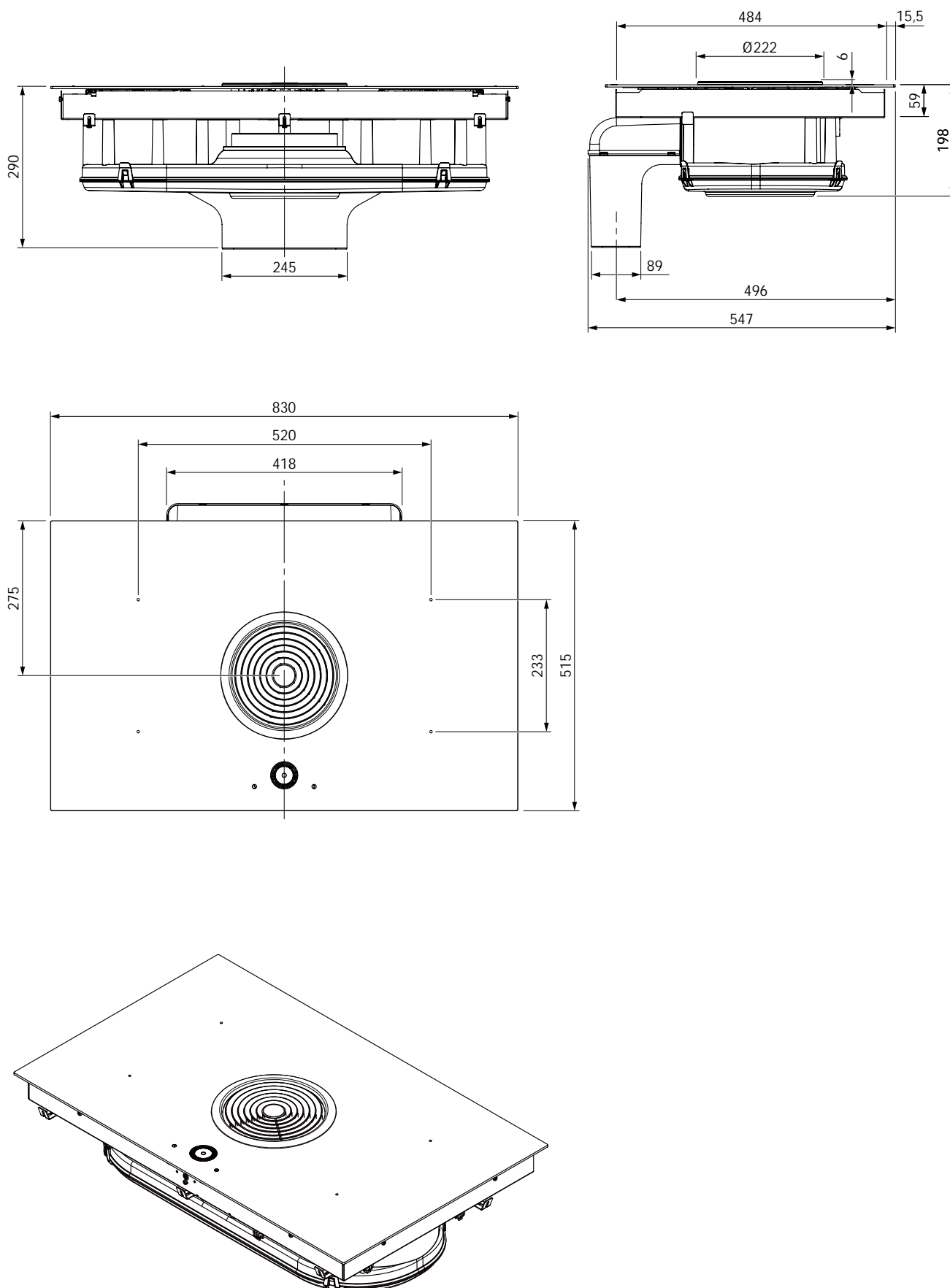


Basic cooktop frame

BFIA

BORA

BORA surface induction glass ceramic cooktop with cooktop extractor – exhaust air



BORA surface induction glass ceramic cooktop with cooktop extractor – exhaust air

Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.6 kW (4.4 kW)
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Dimensions (WxDxH)	830 x 515 x 198 mm
Weight (incl. accessories/package)	Approx. 25 kg
Surface material	SCHOTT CERAN®
Cooktop	
Front cooking zone size	205 x 230 mm
Front cooking zone power	2100 W
Front cooking zone power setting	3700 W
Rear cooking zone size	205 x 230 mm
Rear cooking zone power	2100 W
Rear cooking zone power setting	3700 W
Power levels	1 – 9, P
Extraction system	
Maximum air volume	697.3 m³/h
Maximum static pressure	372 Pa
Connection on the exhaust side	BORA Ecotube
Power levels	1 – 9, P

Cooktop
<ul style="list-style-type: none"> ■ Automatic heat-up function ■ Bridging function ■ Power setting for all cooking zones ■ Timer function ■ Residual heat display ■ Pan size recognition ■ Pause function ■ Heat retention function ■ Childproofing feature ■ Safety shut-down ■ Power management is only possible at the front or rear on each side

Exhaust system
<ul style="list-style-type: none"> ■ Energy-saving fan (EC motor) ■ Freely adjustable power control ■ Automatic cooktop extractor function ■ Automatic after-run ■ Safety shut-down ■ Interface for external devices via Home In or Home Out ■ Power setting

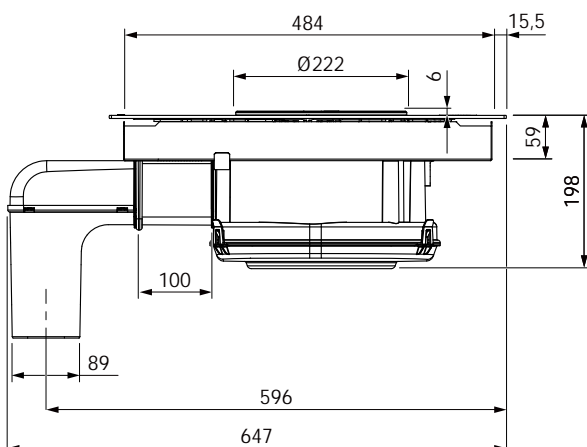
Scope of delivery
<ul style="list-style-type: none"> ■ Surface induction glass ceramic cooktop with BFIA cooktop extractor ■ Stainless steel grease filter ■ BLAVH horizontal exhaust air extension ■ Mounting straps ■ Sealing tape ■ Glass ceramic scraper ■ Cable routing clips ■ Height adjustment plate set ■ Operating and installation instructions

Planning instructions
<ul style="list-style-type: none"> ■ Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL

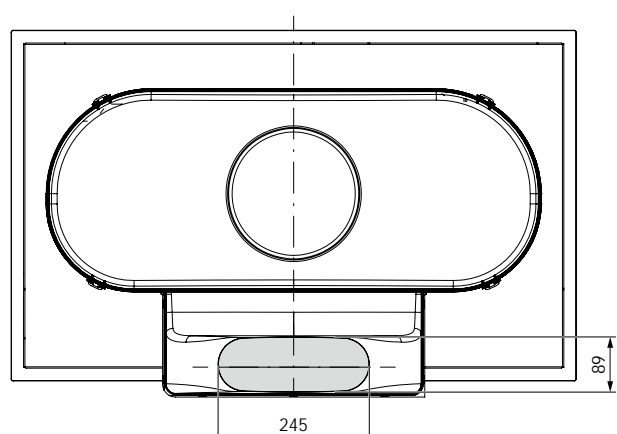
Accessories
<ul style="list-style-type: none"> ■ BFF stainless steel grease filter ■ BFIED air inlet nozzle ■ BUSU recirculation conversion set ■ UDB25 sealing tape ■ UGP11 grill pan ■ BKR830 cooktop frame ■ BLAVH1 exhaust air duct extension

- Please note that induction-compatible cookware must be used on induction cooktops
- The connection cable must be provided at the installation site
- Front power socket
- Max. exhaust channel length: 6 m (max. 10 m possible with the additional duct fan)

Installation option: BLAVH1 horizontal exhaust air duct extension



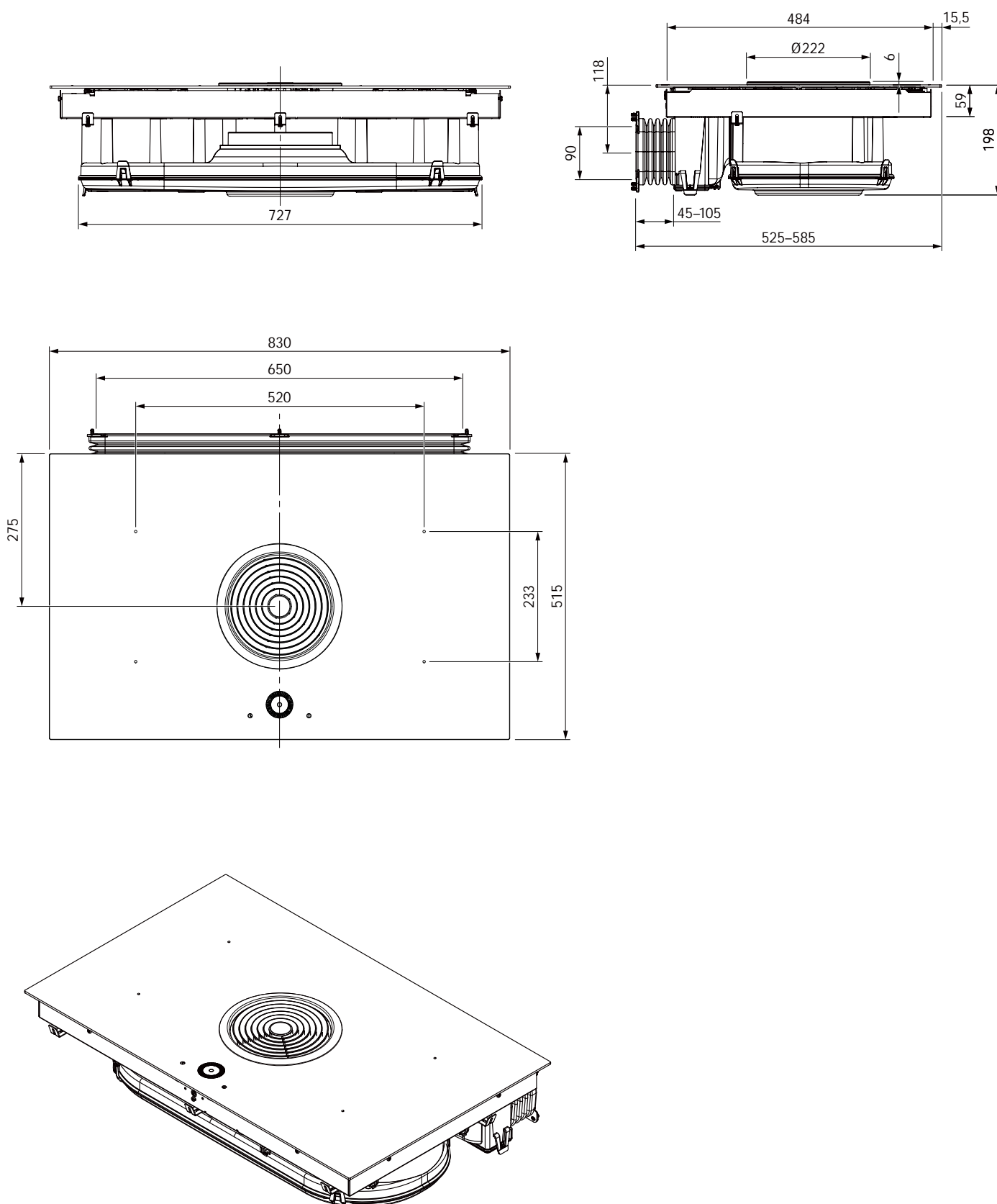
Duct connection dimensions: BFIA with BORA Ecotube duct connection



BFIU



BORA surface induction glass ceramic cooktop with cooktop extractor – recirculation



BORA surface induction glass ceramic cooktop with cooktop extractor – recirculation

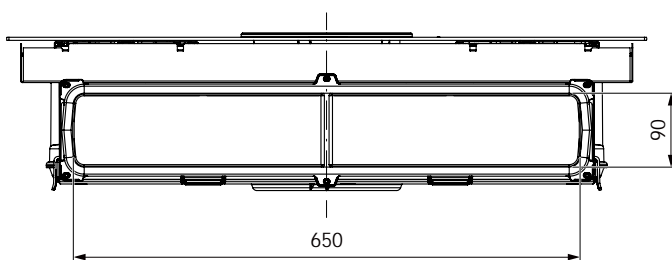
Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.6 kW (4.4 kW)
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Weight (incl. accessories/packaging)	Approx. 25 kg
Surface material	SCHOTT CERAN®
Dimensions (WxDxH)	830 x 515 x 198 mm
Cooktop	
Power levels	1 – 9, P
Front cooking zone size	205 x 230 mm
Front cooking zone power	2100 W
Front cooking zone power setting	3700 W
Rear cooking zone size	205 x 230 mm
Rear cooking zone power	2100 W
Rear cooking zone power setting	3700 W
Extraction system	
Maximum air volume	658.8 m³/h
Maximum static pressure	375 Pa
Power levels	1 – 9, P
Recirculation connection	650 x 90 mm
Filter medium	Activated charcoal filter with ion exchanger
Material	Filter panel with fine filter
Filter area	2 x 0.4 m²
Service life	Max. 150 h / 1 year

Cooktop
<ul style="list-style-type: none">■ Automatic heat-up function■ Bridging function■ Power setting for all cooking zones■ Timer function■ Residual heat display■ Pan size recognition■ Pause function■ Heat retention function■ Childproofing feature■ Safety shut-down■ Power management is only possible at the front or rear on each side
Exhaust system
<ul style="list-style-type: none">■ Energy-saving fan (EC motor)■ Freely adjustable power control■ Automatic cooktop extractor function■ Automatic after-run■ Safety shut-down■ Filter service display■ Interface for external devices via Home In or Home Out■ Power setting
<ul style="list-style-type: none">■ Please note that induction-compatible cookware must be used on induction cooktops■ The connection cable must be provided at the installation site■ Front power socket

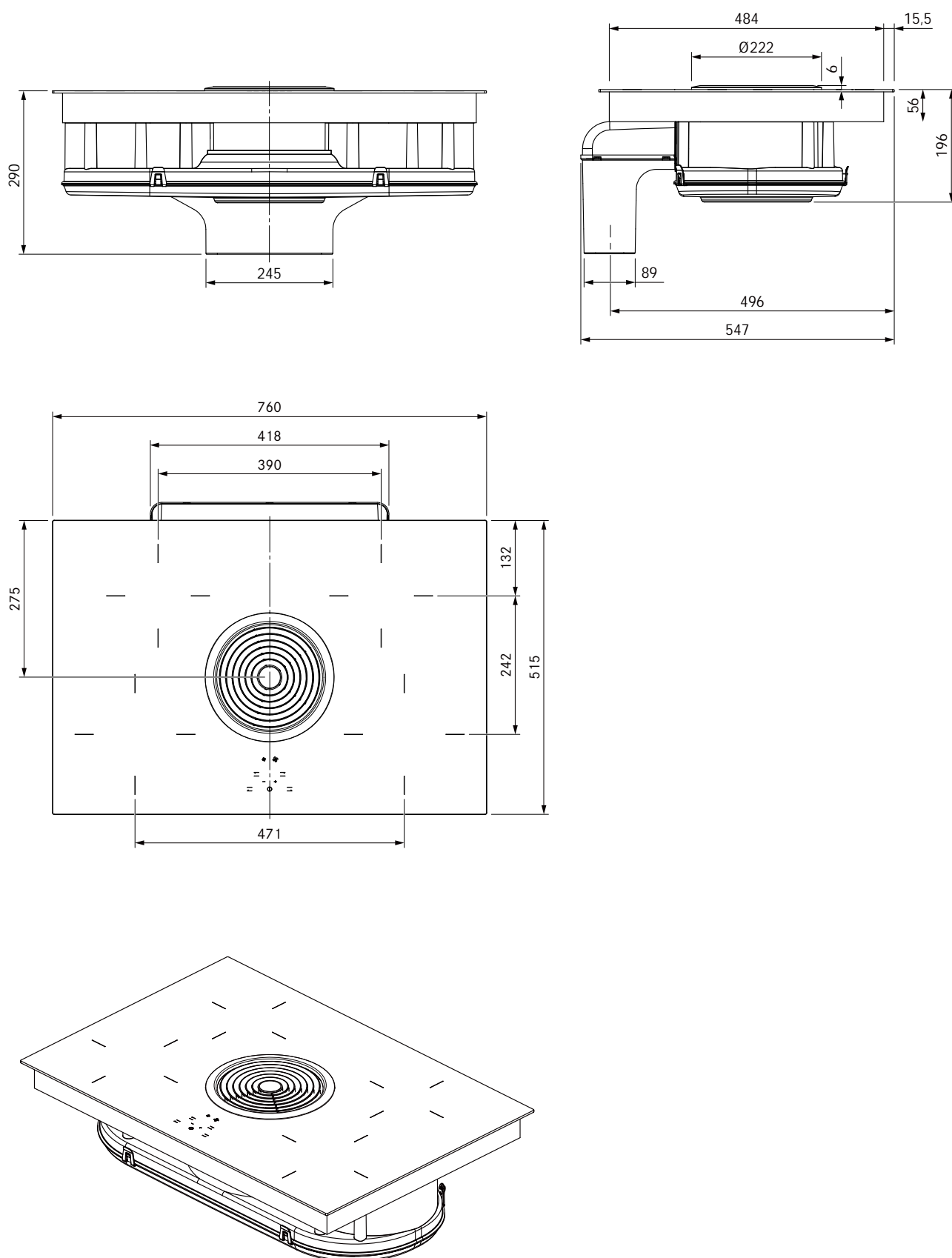
Scope of delivery
<ul style="list-style-type: none"> ■ Surface induction glass ceramic cooktop with BFIU cooktop extractor ■ Stainless steel grease filter ■ Activated charcoal filter set with ion exchanger ■ Flexible duct with fixing screws ■ Mounting straps ■ Sealing tape ■ Glass ceramic scraper ■ Cable routing clips ■ Height adjustment plate set ■ Operating and installation instructions ■ Drilling template
Planning instructions
<ul style="list-style-type: none"> ■ Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL
Accessories
<ul style="list-style-type: none"> ■ BFF stainless steel grease filter ■ BFIED air inlet nozzle ■ BUSAE exhaust air conversion set ■ UDB25 sealing tape ■ Activated charcoal filter set with BAKFS ion exchanger (x 2) ■ UGP11 grill pan ■ BKR830 cooktop frame

Duct connection dimensions:

BFIU with flexible duct



BORA induction glass ceramic cooktop with cooktop extractor – exhaust air



BORA induction glass ceramic cooktop with cooktop extractor – exhaust air

Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.6 kW (4.4 kW)
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Dimensions (WxDxH)	760 x 515 x 196 mm
Weight (incl. accessories/package)	25 kg
Surface material	SCHOTT CERAN®
Cooktop	
Front cooking zone size	Ø 210 mm
Front cooking zone power	2300 W
Front cooking zone power setting	3000 W
Rear cooking zone size	Ø 175 mm
Rear cooking zone power	1400 W
Power levels	1 – 9, P
Extraction system	
Maximum air volume	647 m³/h
Maximum static pressure	339 Pa
Connection on the exhaust side	BORA Ecotube
Power levels	1, 2, P

Cooktop

- Power setting for the front two cooking zones
- Automatic cut-off
- Timer function
- Residual heat display
- Pan size recognition
- Childproofing feature

Exhaust system

- Touch-operated power control
- Automatic after-run
- Automatic cut-off
- Filter service display
- Power setting

Scope of delivery

- Induction glass ceramic cooktop with BIA cooktop extractor
- Stainless steel grease filter
- BLAVH horizontal exhaust air extension
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Cable routing clips
- Height adjustment plate set
- Operating and installation instructions

Planning instructions

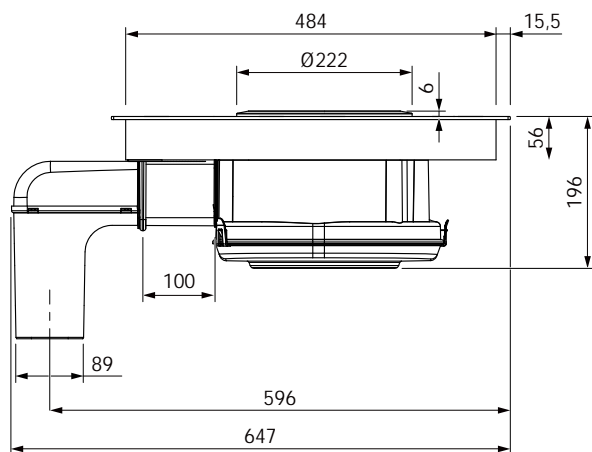
- Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL

Accessories

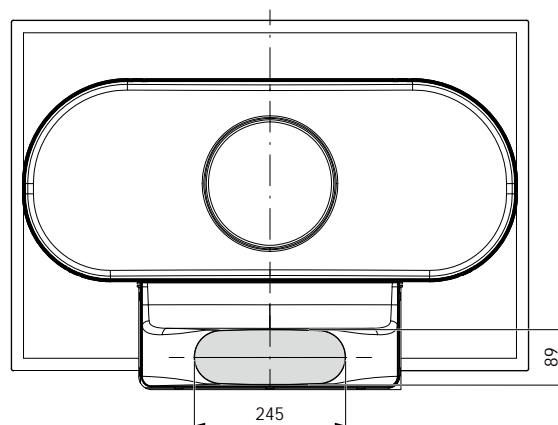
- BFF stainless steel grease filter
- BLED1 air inlet nozzle
- BUSU recirculation conversion set
- UDB25 sealing tape
- BKR760 cooktop frame
- BLAVH1 exhaust air duct extension

- Please note that induction-compatible cookware must be used on induction cooktops
- The connection cable must be provided at the installation site
- Front power socket
- Max. exhaust channel length: 6 m

Installation option:
BLAVH1 horizontal exhaust air duct extension



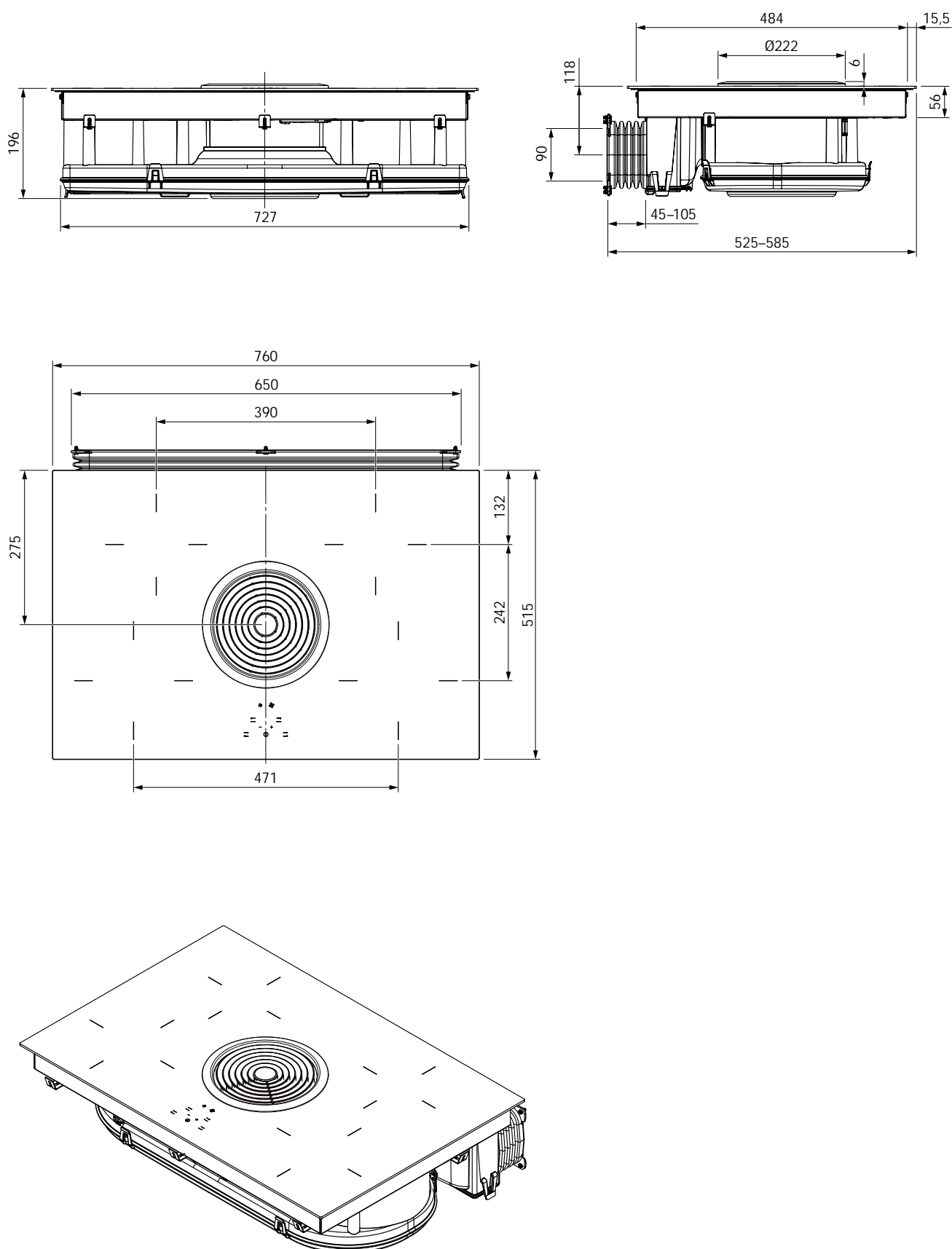
Duct connection dimensions:
BIA with BORA Ecotube duct connection



BIU

BORA

BORA induction glass ceramic cooktop with cooktop extractor – recirculation



BORA induction glass ceramic cooktop with cooktop extractor – recirculation

Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.6 kW (4.4 kW)
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Weight (incl. accessories/package)	25 kg
Surface material	SCHOTT CERAN®
Dimensions (WxDxH)	760 x 515 x 196 mm
Cooktop	
Power levels	1 – 9, P
Front cooking zone size	Ø 210 mm
Front cooking zone power	2300 W
Front cooking zone power setting	3000 W
Rear cooking zone size	Ø 175 mm
Rear cooking zone power	1400 W
Extraction system	
Maximum air volume	624 m³/h
Maximum static pressure	341 Pa
Power levels	1, 2, P
Recirculation connection	650 x 90 mm
Filter medium	Activated charcoal filter with ion exchanger
Material	
Filter area	2 x 0.4 m²
Service life	Max. 150 h / 1 year

Cooktop

- Power setting for the front two cooking zones
- Automatic cut-off
- Timer function
- Residual heat display
- Pan size recognition
- Childproofing feature

Exhaust system

- Touch-operated power control
- Automatic after-run
- Automatic cut-off
- Filter service display
- Power setting

Scope of delivery

- Induction glass ceramic cooktop with BIU cooktop extractor
- Stainless steel grease filter
- BAKFS activated charcoal filter set
- Flexible duct with fixing screws
- Mounting straps
- Sealing tape
- Glass ceramic scraper
- Cable routing clips
- Height adjustment plate set
- Operating and installation instructions

Planning instructions

- Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL

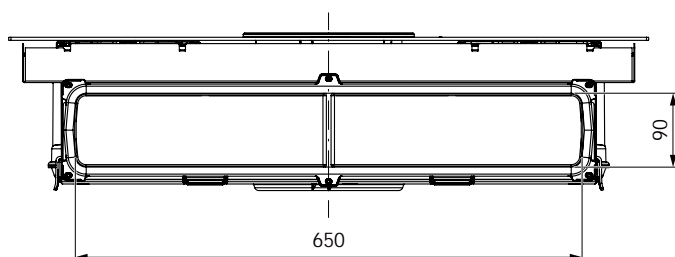
Accessories

- BAKFS activated charcoal filter set
- BFF stainless steel grease filter
- BLED1 air inlet nozzle
- BUSAE exhaust air conversion set
- UDB25 sealing tape
- BKR760 cooktop frame

- Please note that induction-compatible cookware must be used on induction cooktops
- The connection cable must be provided at the installation site
- Front power socket

Duct connection dimensions:

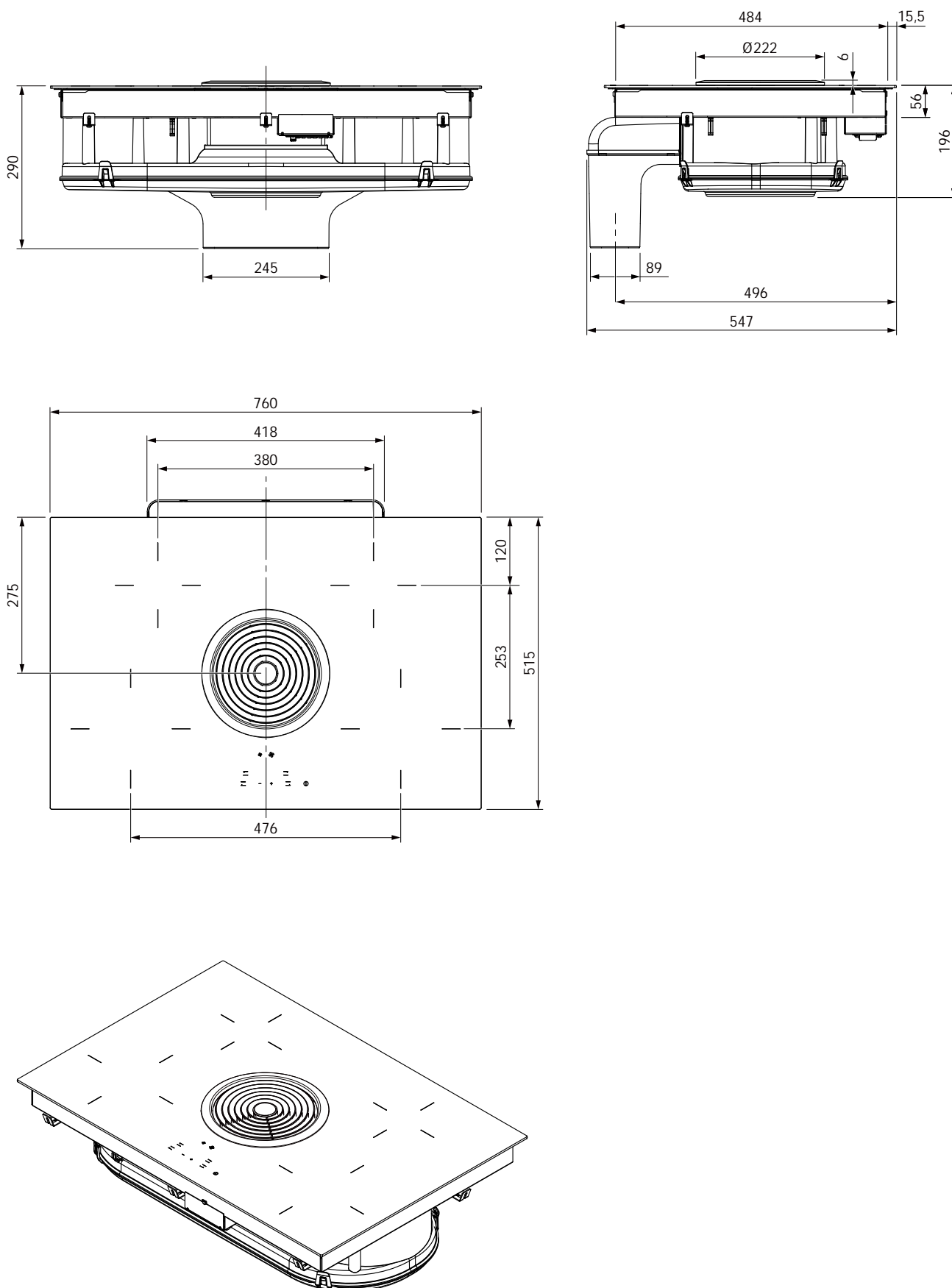
BIU with flexible duct



BHA

BORA

BORA Hyper glass ceramic cooktop with cooktop extractor – exhaust air



BORA Hyper glass ceramic cooktop with cooktop extractor – exhaust air

Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.0 kW
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Dimensions (WxDxH)	760 x 515 x 196 mm
Weight (incl. accessories/packageing)	25 kg
Surface material	SCHOTT CERAN®
Cooktop	
Front cooking zone size	Ø 210 mm
Front cooking zone power	2300 W
Front cooking zone power setting	3000 W
Rear cooking zone size	Ø 140 mm
Rear cooking zone power	1200 W
Power levels	1 – 9, P
Extraction system	
Maximum air volume	647 m³/h
Maximum static pressure	339 Pa
Connection on the exhaust side	BORA Ecotube
Power levels	1, 2, P

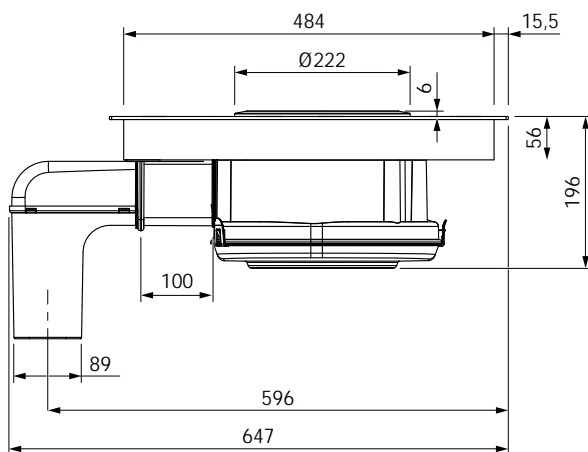
Cooktop
<ul style="list-style-type: none"> ■ Power setting for the front left cooking zone (Hyper cooking zone) ■ Automatic cut-off ■ Timer function ■ Residual heat display ■ Automatic heat-up function ■ Heat retention function ■ Childproofing feature
Exhaust system
<ul style="list-style-type: none"> ■ Touch-operated power control ■ Automatic after-run ■ Automatic cut-off ■ Filter service display

Scope of delivery
<ul style="list-style-type: none"> ■ Hyper glass ceramic cooktop with BHA cooktop extractor ■ Stainless steel grease filter ■ BLAVH horizontal exhaust air extension ■ Mounting straps ■ Sealing tape ■ Glass ceramic scraper ■ Cable routing clips ■ Height adjustment plate set ■ Operating and installation instructions
Planning instructions
<ul style="list-style-type: none"> ■ Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL

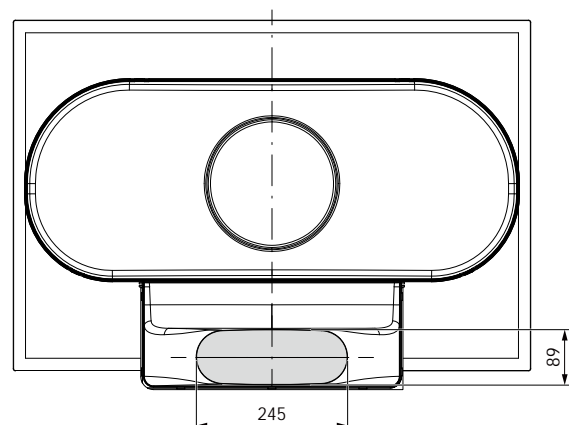
Accessories
<ul style="list-style-type: none"> ■ BFF stainless steel grease filter ■ BLED1 air inlet nozzle ■ BUSU recirculation conversion set ■ UDB25 sealing tape ■ BKR760 cooktop frame ■ BLAVH1 exhaust air duct extension

- The connection cable must be provided at the installation site
- Front power socket
- Max. exhaust channel length: 6 m

Installation option: BLAVH1 horizontal exhaust air duct extension



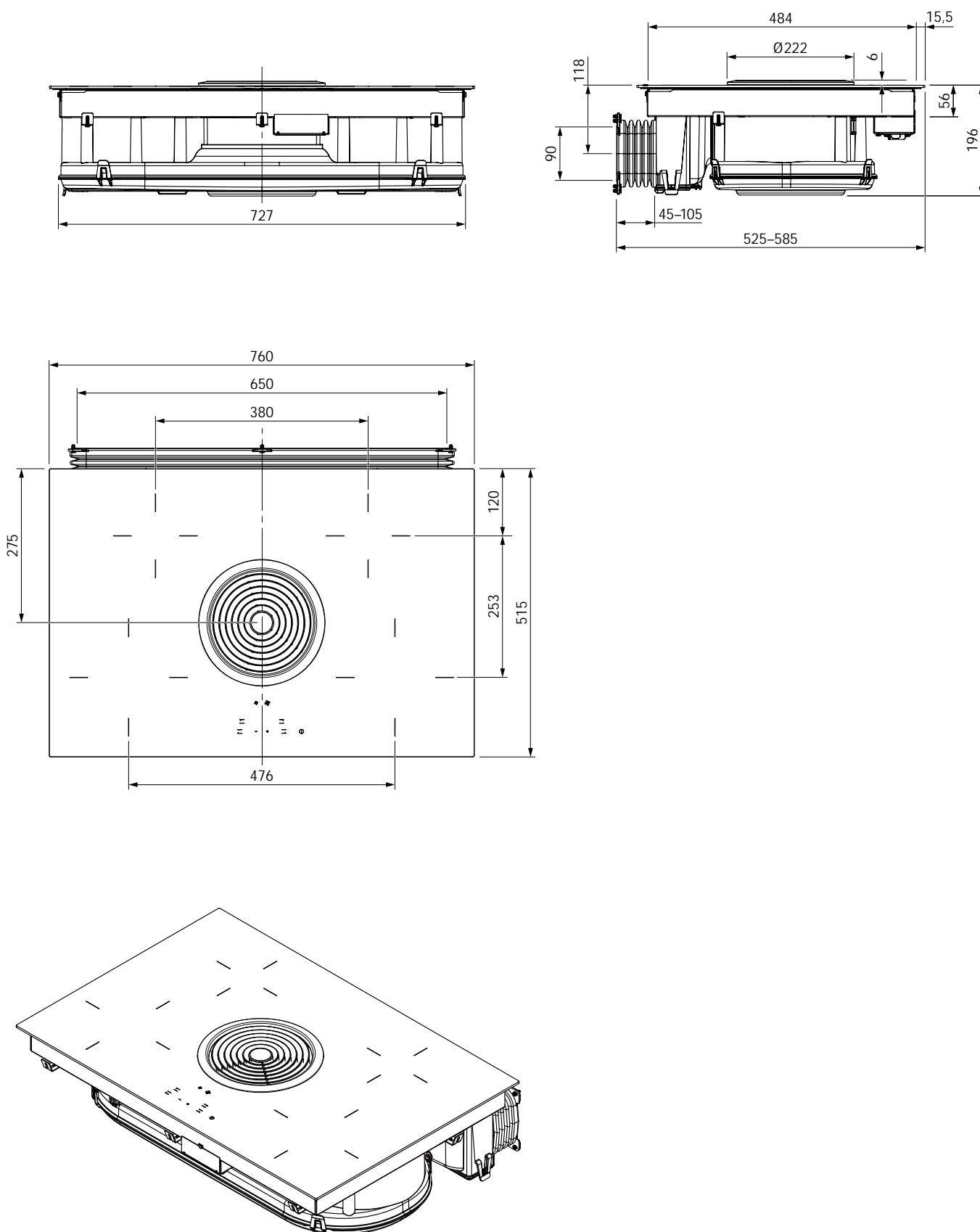
Duct connection dimensions: BHA with BORA Ecotube duct connection



BHU



BORA Hyper glass ceramic cooktop with cooktop extractor – recirculation



BORA Hyper glass ceramic cooktop with cooktop extractor – recirculation

Technical data	
Supply voltage	380 – 415 V 2N/3N
Supply voltage	220 – 240 V
Frequency	50 Hz
Maximum power consumption	7.0 kW
Fuse protection / power supply	3 x 16 A
Fuse protection / power supply	2 x 16 A
Fuse protection / power supply	1 x 32 A
Weight (incl. accessories/packaging)	25 kg
Surface material	SCHOTT CERAN®
Dimensions (WxDxH)	760 x 515 x 196 mm
Cooktop	
Power levels	1 – 9, P
Front cooking zone size	Ø 210 mm
Front cooking zone power	2300 W
Front cooking zone power setting	3000 W
Rear cooking zone size	Ø 140 mm
Rear cooking zone power	1200 W
Extraction system	
Maximum air volume	624 m³/h
Maximum static pressure	341 Pa
Power levels	1, 2, P
Recirculation connection	650 x 90 mm
Filter medium	Activated charcoal filter with ion exchanger
Material	Filter panel with fine filter
Filter area	2 x 0.4 m²
Service life	Max. 150 h / 1 year

Cooktop
<ul style="list-style-type: none"> ■ Power setting for the front left cooking zone (Hyper cooking zone) ■ Automatic cut-off ■ Timer function ■ Residual heat display ■ Automatic heat-up function ■ Heat retention function ■ Childproofing feature
Exhaust system
<ul style="list-style-type: none"> ■ Touch-operated power control ■ Automatic after-run ■ Automatic cut-off ■ Filter service display

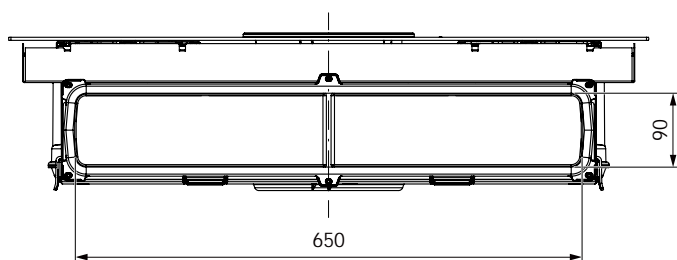
Scope of delivery
<ul style="list-style-type: none"> ■ Hyper glass ceramic cooktop with BHU cooktop extractor ■ Stainless steel grease filter ■ BAKFS activated charcoal filter set ■ Flexible duct with fixing screws ■ Mounting straps ■ Sealing tape ■ Glass ceramic scraper ■ Cable routing clips ■ Height adjustment plate set ■ Operating and installation instructions
Planning instructions
<ul style="list-style-type: none"> ■ Basic cooktop extractor system can be combined with the sockets USTF, USTE, USTJ, USTG and USTL

Accessories
<ul style="list-style-type: none"> ■ BAKFS activated charcoal filter set ■ BFF stainless steel grease filter ■ BLED1 air inlet nozzle ■ BUSAE exhaust air conversion set ■ UDB25 sealing tape ■ BKR760 cooktop frame

- The connection cable must be provided at the installation site
- Front power socket

Duct connection dimensions:

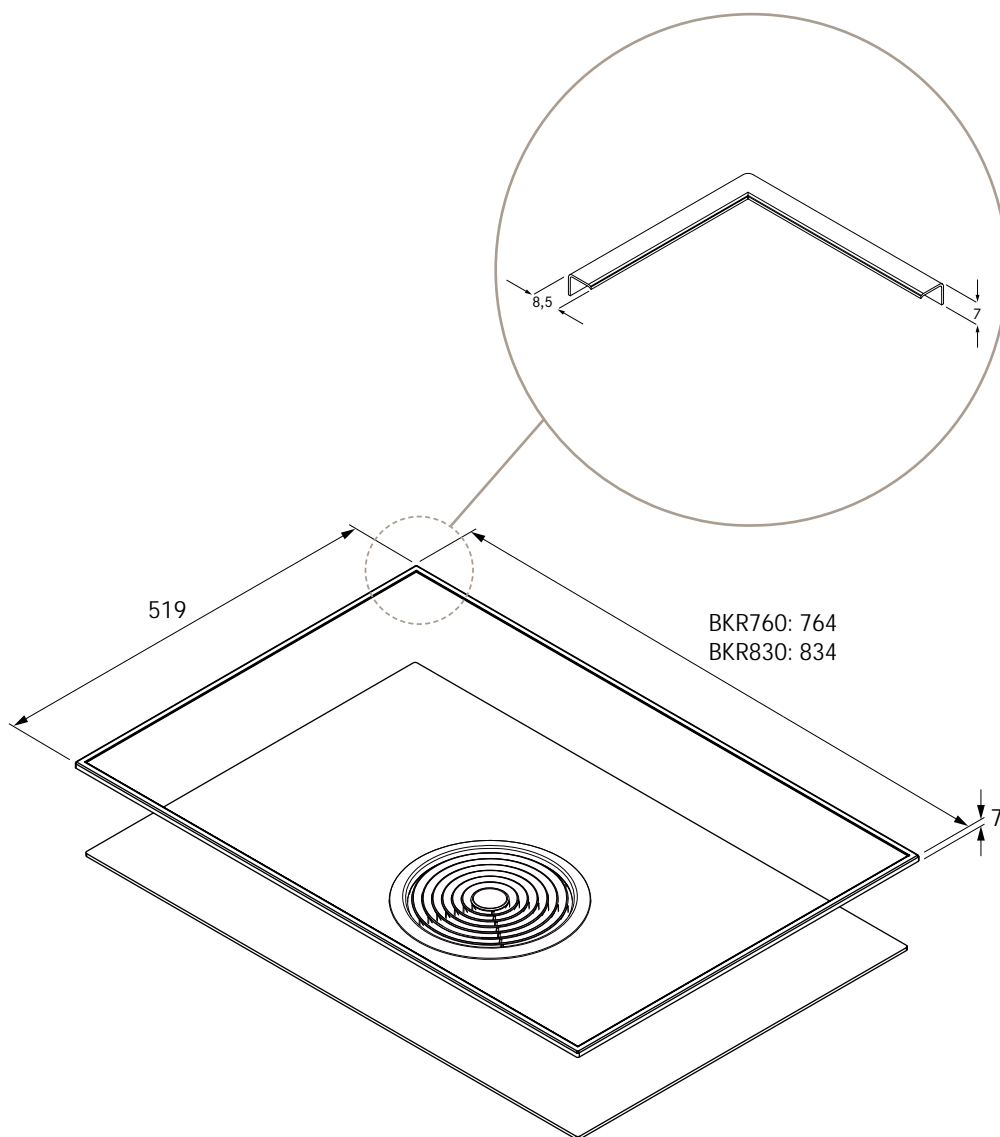
BHU with flexible duct



BKR760/BKR830



Basic cooktop frame



Technical data BKR760 cooktop frame suitable for BIA/BIU/BHA/BHU

Dimensions (width x depth x height)	764 x 519 x 7 mm
Material	Brushed stainless steel
Adhesive curing time	24 h

Technical data BKR830 cooktop frame suitable for BFIA/BFIU

Dimensions (width x depth x height)	834 x 519 x 7 mm
Material	Brushed stainless steel
Adhesive curing time	24 h

Product description

- For framing surface-mounted BORA Basic cooktops
- Cooktop frame made from brushed stainless steel
- The cooktop frame is attached using adhesive tape

Scope of delivery

- BKR760/BKR830 cooktop frame with adhesive tape
- Sealing tape
- Glass cleaning cloth
- Height adjustment plate set
- Installation instructions

Energy efficiency



BFIA/BFIU BORA Basic

BFIA/BFIU Basic

Product description

Surface induction glass ceramic cooktop with
4 cooking zones and integrated cooktop extractor

	BFIA	BFIU	
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Operating mode Exhaust air Recirculation

Energy consumption Value Value EN standard

Annual energy consumption (AEC_{hood}) 54.8 kWh/a 51.9 kWh/a 61591

Energy efficiency class B * 61591

Flow volume

Fluid dynamic efficiency (FDE_{hood}) 23.1 21.0 61591

Fluid dynamic efficiency class B * 61591

Lighting

Lighting efficiency (LE_{hood}) * lx / Watt * lx / Watt *

Lighting efficiency class * * *

Grease filtering

Level 9 maximum (GFE_{hood}) 91% 91% 61591

Class level 9 normal B * 61591

Grease filtering (additional details)

Level P maximum (GFE_{hood}) 93% 93% 61591

Class level P maximum B * 61591

Flow volume

Air flow level 1 minimum 194.8 m³/h * m³/h 61591

Air flow level 9 normal 607.3 m³/h * m³/h 61591

Air flow level P maximum (Q_{Max}) 697.3 m³/h 658.8 m³/h 61591

Sound power level

Level 1 minimum 39.8 dB (A) 38.4 dB (A) 60704 - 2-13

Level 9 normal 66.3 dB (A) 66.5 dB (A) 60704 - 2-13

Level P maximum 69.6 dB (A) 69.7 dB (A) 60704 - 2-13

Sound pressure level (additional details)

Level 1 minimum 27.3 dB (A) 25.9 dB (A) **

Level 9 normal 53.8 dB (A) 54.0 dB (A) **

Level P maximum 57.1 dB (A) 57.2 dB (A) **

Details according to 66/2014

Power consumption in off mode (P₀) < 0.5 W < 0.5 W 61591

Time increase factor 1.2 1.2 61591

Energy efficiency index (EEI_{hood}) 65.2 64.5 61591

Air volume flow at the best efficiency point (Q_{BEP}) 382 m³/h 311.4 m³/h 61591

Pressure at the best efficiency point (P_{BEP}) 272 Pa 288 Pa 61591

Electric power input at the best efficiency point (W_{BEP}) 125 W 118.5 W 61591

* This specification is not applicable for this product.

** The sound pressure level has been determined from a distance of 1 m (distance-dependent level recording) on the basis of the sound power level established in EN 60704 - 2 - 13.

Energy efficiency



BIA/BHA/BIU/BHU BORA Basic

BIA/BHA/BIU/BHU Basic

Product description

Glass ceramic cooktop with 4 cooking zones and integrated cooktop extractor

BIA/BHA

BIU/BHU

Operating mode

Exhaust air

Recirculation

Energy consumption

Value

Value

EN standard

Annual energy consumption (AEC_{hood})

87.5 kWh/a

94.2 kWh/a

61591

Energy efficiency class

C

*

61591

Flow volume

Fluid dynamic efficiency (FDE_{hood})

15.7

13.1

61591

Fluid dynamic efficiency class

D

*

61591

Lighting

Lighting efficiency (LE_{hood})

* lx / Watt

* lx / Watt

*

Lighting efficiency class

*

*

*

Grease filtering

Level 2 maximum (GFE_{hood})

88.5%

88.5%

61591

Class level 2 normal

B

*

61591

Grease filtering (additional details)

Level P maximum (GFE_{hood})

93%

93%

61591

Class level P maximum

B

*

61591

Flow volume

Air flow level 1 minimum

342 m³/h

* m³/h

61591

Air flow level 2 normal

497 m³/h

* m³/h

61591

Air flow level P maximum (Q_{Max})

647 m³/h

624 m³/h

61591

Sound power level

Level 1 minimum

55 dB (A)

* dB (A)

60704 - 2 - 13

Level 2 normal

64 dB (A)

65 dB (A)

60704 - 2 - 13

Level P maximum

69 dB (A)

70 dB (A)

60704 - 2 - 13

Sound pressure level (additional details)

Level 1 minimum

43 dB (A)

* dB (A)

**

Level 2 normal

51 dB (A)

53 dB (A)

**

Level P maximum

57 dB (A)

57 dB (A)

**

Details according to 66/2014

Power consumption in off mode (P₀)

< 0.5 W

< 0.5 W

61591

Time increase factor

1.4

1.5

61591

Energy efficiency index (EEI_{hood})

79.9

85.6

61591

Air volume flow at the best efficiency point (Q_{BEP})

370.8 m³/h

320.8 m³/h

61591

Pressure at the best efficiency point (P_{BEP})

261 Pa

253 Pa

61591

Electric power input at the best efficiency point (W_{BEP})

171.2 W

172.1 W

61591

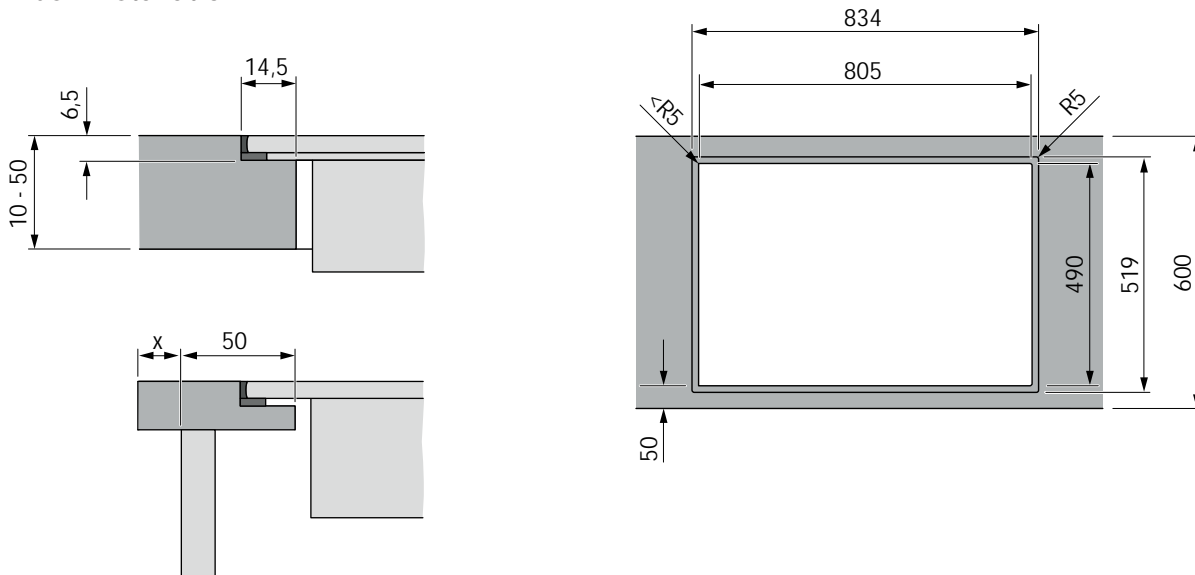
* This specification is not applicable for this product.

** The sound pressure level has been determined from a distance of 1 m (distance-dependent level recording) on the basis of the sound power level established in EN 60704 - 2 - 13.

Cut-out dimensions

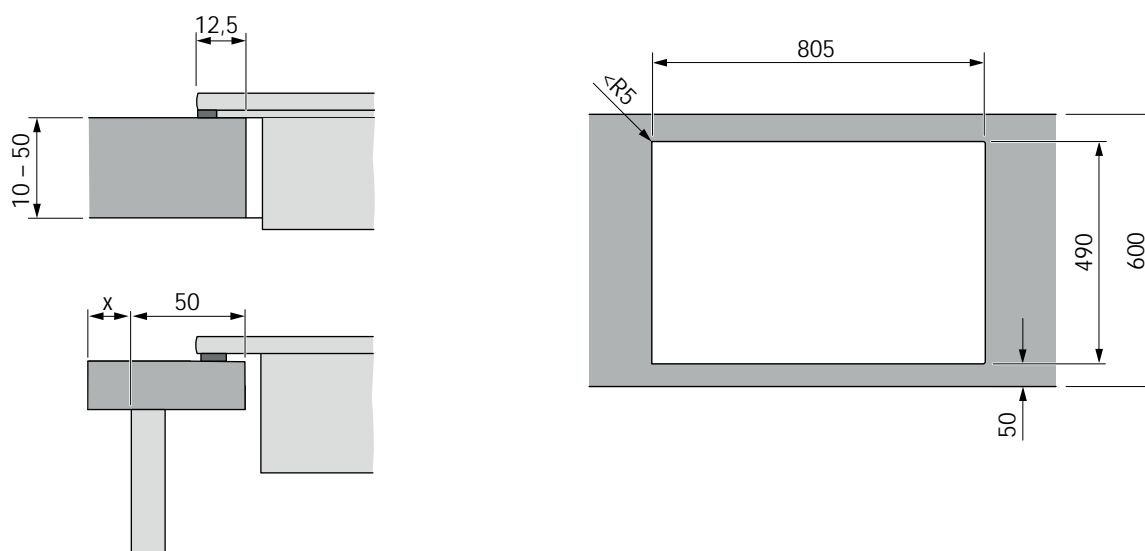
BORA Basic BFIA/BFIU: flush installation and surface mounting

Flush installation



All dimensions from the front edge of the front cover.

Surface mounting (with or without cooktop frame)



All dimensions from the front edge of the front cover.

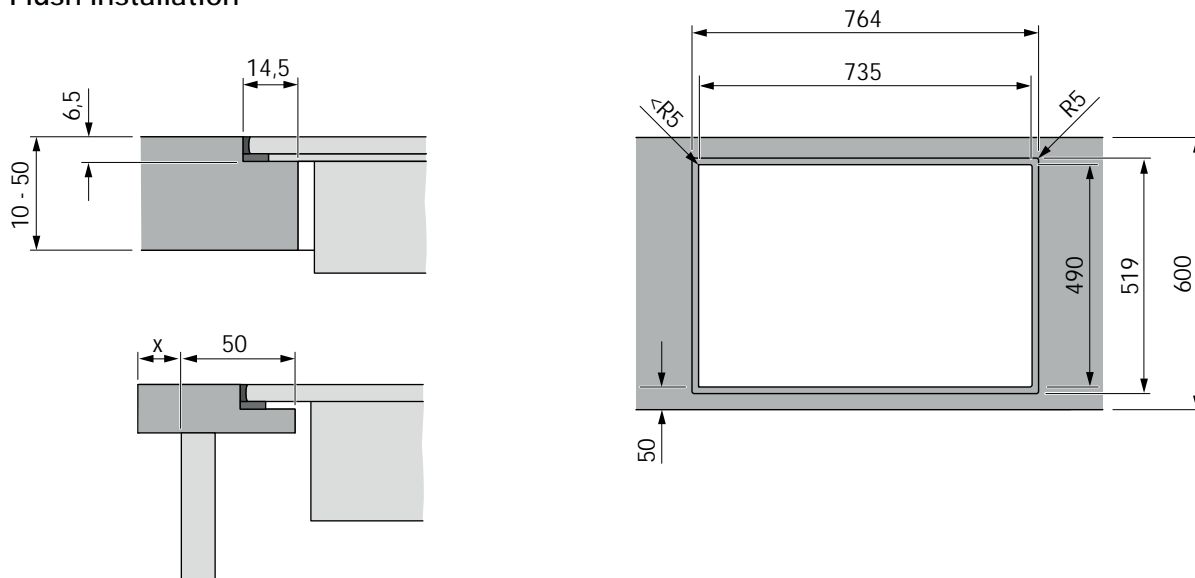
Important planning instructions:

- The worktop manufacturer's instructions must be observed with regard to the suitability of the worktop. For example, worktop cut-outs must be appropriately sealed against moisture.
- All dimensions from the front edge of the front cover.

Cut-out dimensions

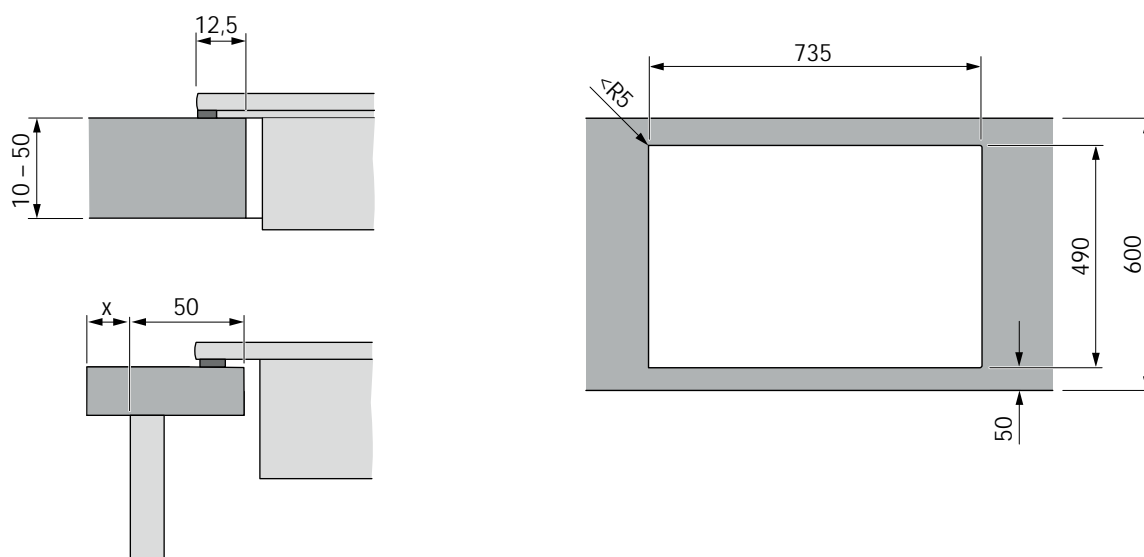
BORA Basic BIA/BHA/BIU/BHU: flush installation and surface mounting

Flush installation



All dimensions from the front edge of the front cover.

Surface mounting (with or without cooktop frame)



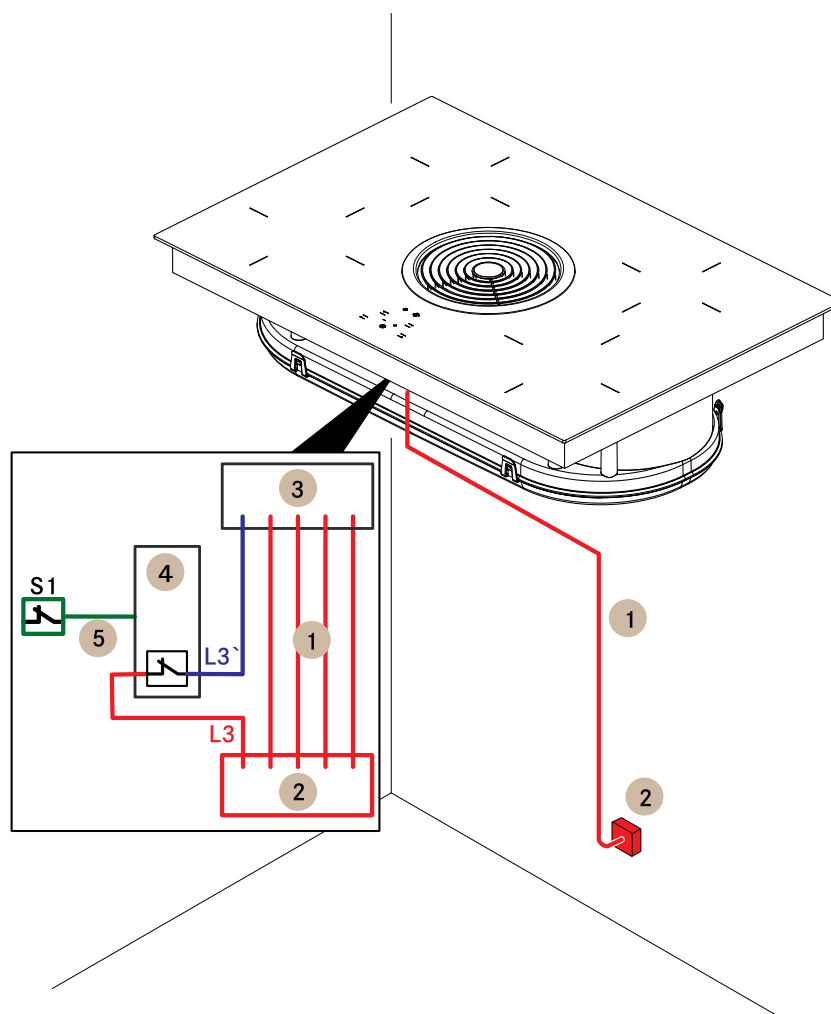
All dimensions from the front edge of the front cover.

Important planning instructions:

- The worktop manufacturer's instructions must be observed with regard to the suitability of the worktop. For example, worktop cut-outs must be appropriately sealed against moisture.
- All dimensions from the front edge of the front cover.

Connection diagram

Connection diagram: BIA/BIU and BHA/BHU Basic

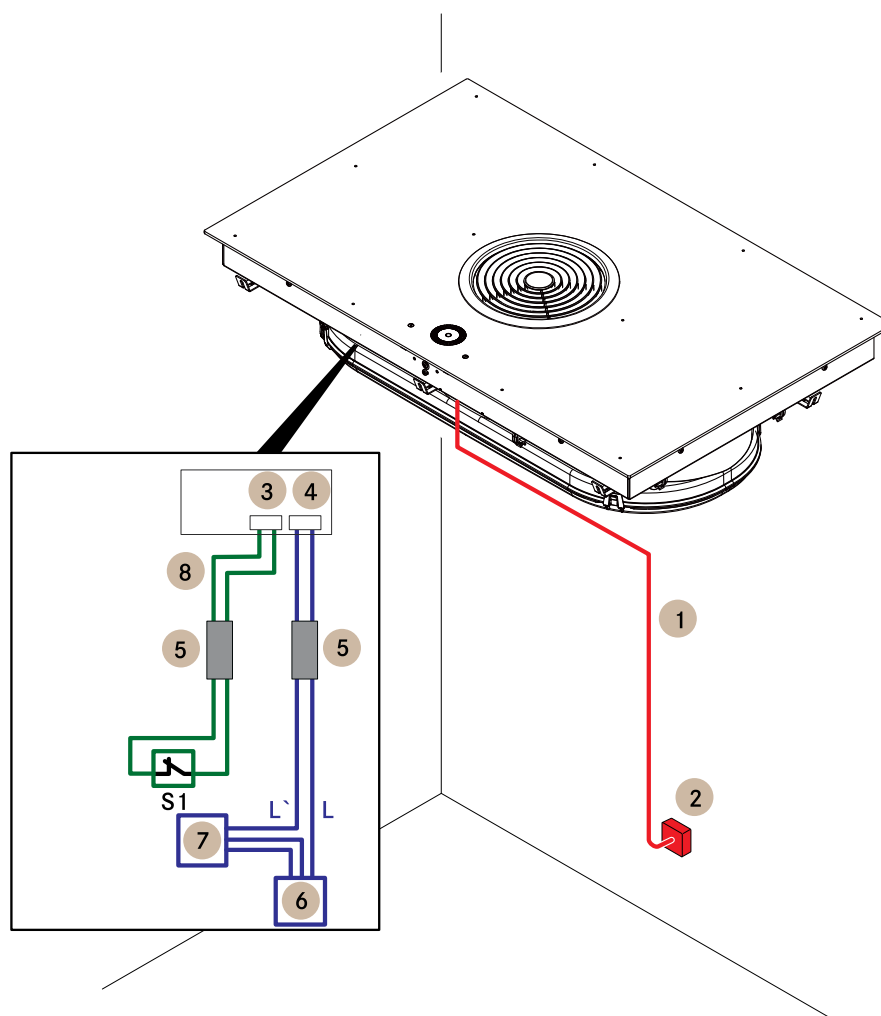


Position	Description	Note
1	Power supply cable for the cooktop with cooktop extractor	Length 2 m
2	Power supply	L1/L2/L3/N/PE Minimum fuse protection 3 x16 A
3	Power supply for cooktop with cooktop extractor	
4	Switch relay	–
5	S1 switch connection and switch relay	E.g. via wireless communication
S1	External switch contact	E.g. window contact switch for operating in exhaust mode with flues/fireplaces

The connection diagram shows the maximum connection options required and is for planning purposes only.
The connection itself must be carried out by a qualified specialist based on the operating instructions.

Connection diagram

Connection diagram: BFIA/BFIU Basic



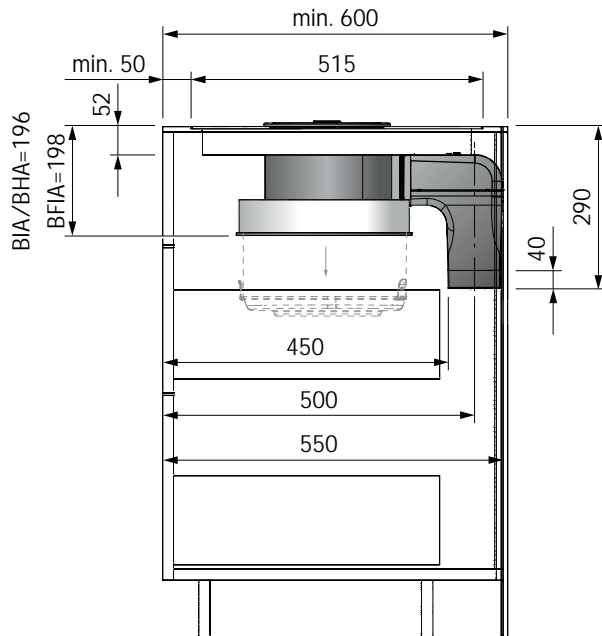
Position	Description	Note
1	Power supply cable for the cooktop with cooktop extractor	
2	Power supply	L1/L2/L3/N/PE Minimum fuse protection 3 x16 A
3	Home-In connection	30 V DC 0.7 mA
4	Home-Out connection	Maximum 250 V/4 A
5	Ferrite sleeves	Set product no. UFH
6	Power supply for external device	
7	External device	E.g. electrically operated wall sleeve
S1	External switch contact	E.g. window contact switch for operating in exhaust mode with flues/fireplaces
8	Connection cable Home-In	Max. length 10 m

The connection diagram shows the maximum connection options required and is for planning purposes only.
The connection itself must be carried out by a qualified specialist based on the operating instructions.

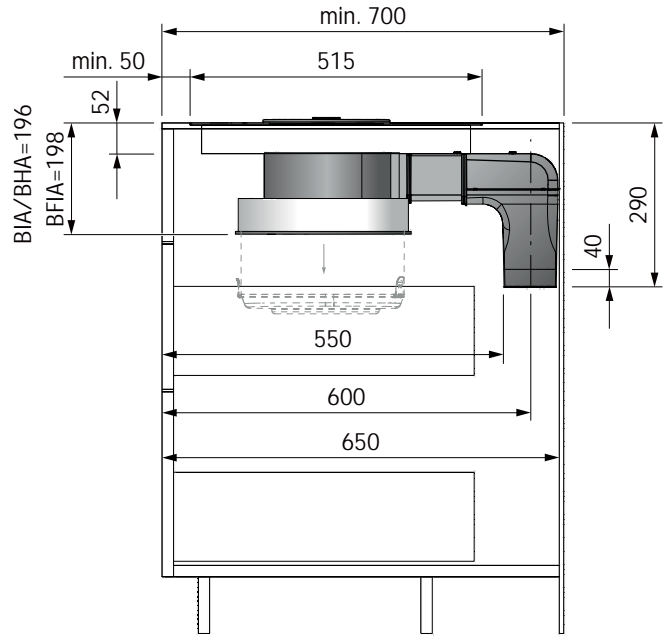
Installation cut-outs

BORA Basic

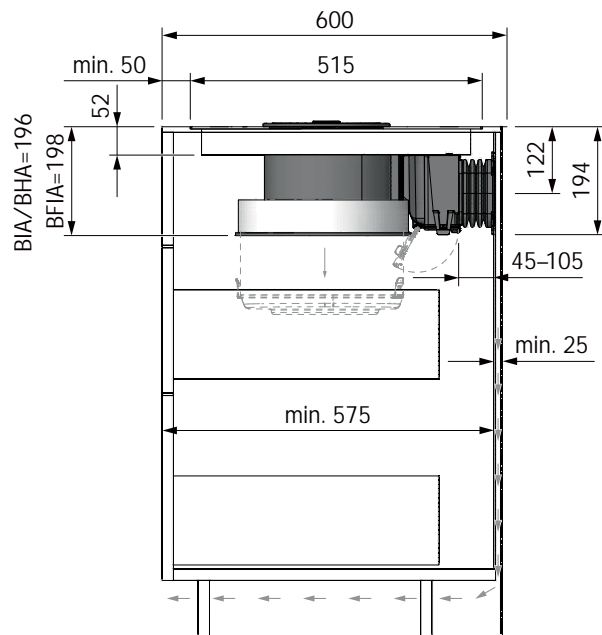
Installation cut-out Basic exhaust air 600 mm:



Installation cut-out Basic exhaust air 700 mm:



Installation cut-out Basic recirculation:

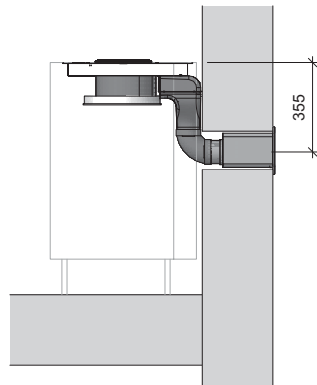
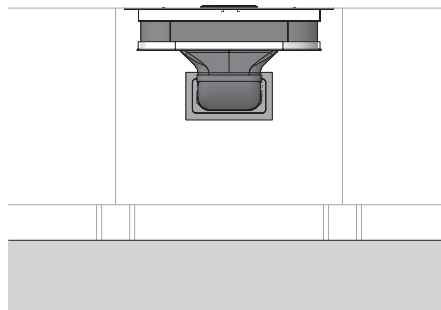
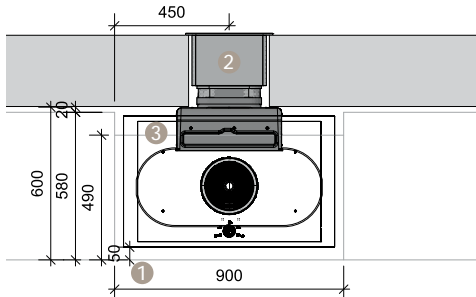


To ensure optimum extraction performance, a return flow aperture of at least 500 cm² for the air recirculation hood must be guaranteed.

Model plans

Basic model plans – exhaust air

BFIA – exhaust air version for a kitchen counter with airflow to the back:



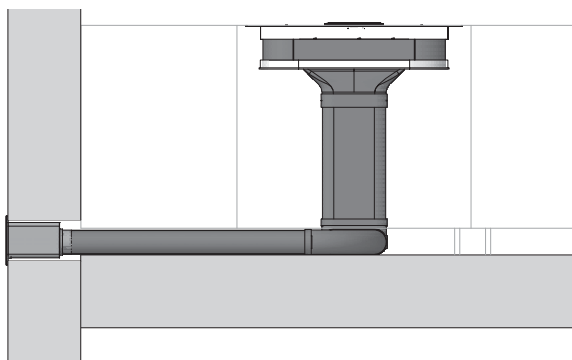
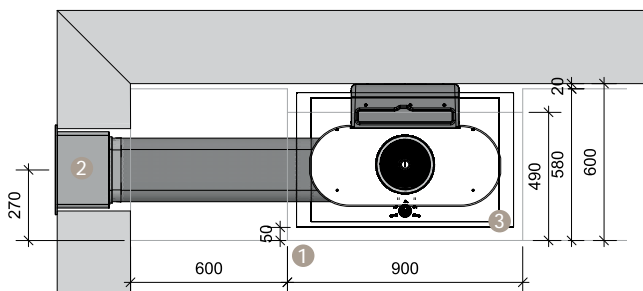
Planning instructions

- 1 Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- 2 Minimum wall gap: 330 x 175 mm
- 3 The carcass must be shortened

Ecotube duct elements

- 1x ERBV90 shallow, vertical 90° bend
- 3x EFD shallow seal
- 1x EF47 shallow duct

BFIA – exhaust air version for a kitchen counter with airflow in the plinth to the left:

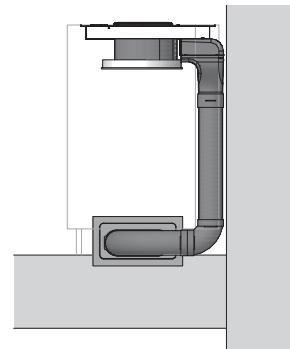


Planning instructions

- 1 Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- 2 Minimum wall gap: 330 x 175 mm
- 3 The carcass must be shortened

Ecotube duct elements

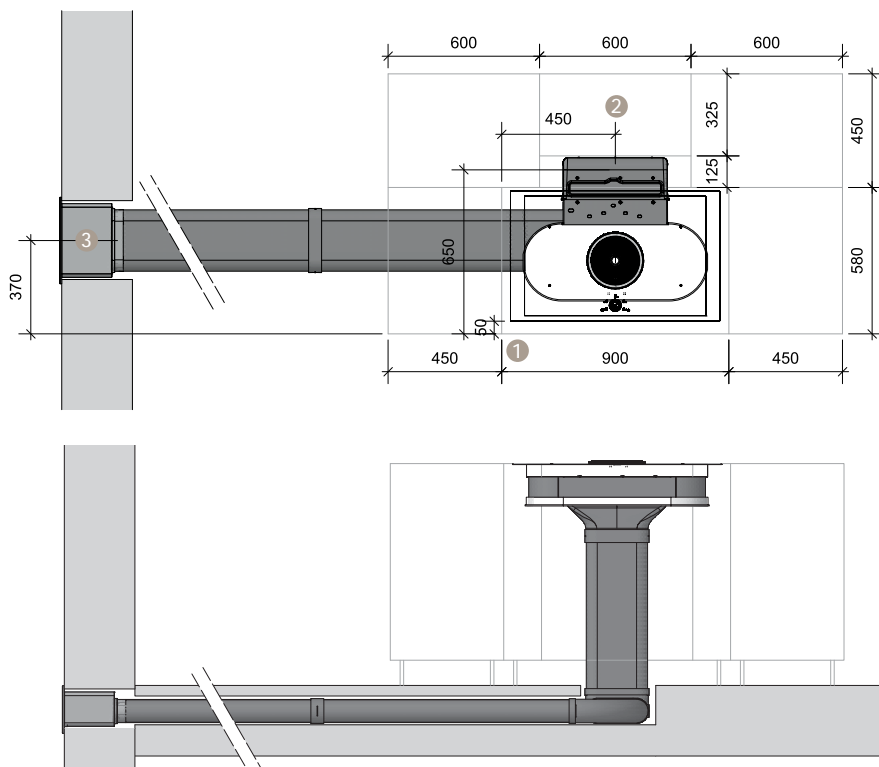
- 1x EFV shallow duct connection
- 2x EF1000 shallow duct
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- 7x EFD shallow seal



Model plans

Basic model plans – exhaust air

BFIA – exhaust air version for a kitchen island with airflow in the floor to the left:

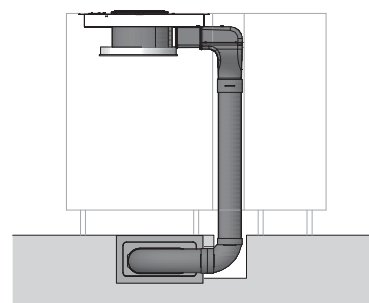


Planning instructions

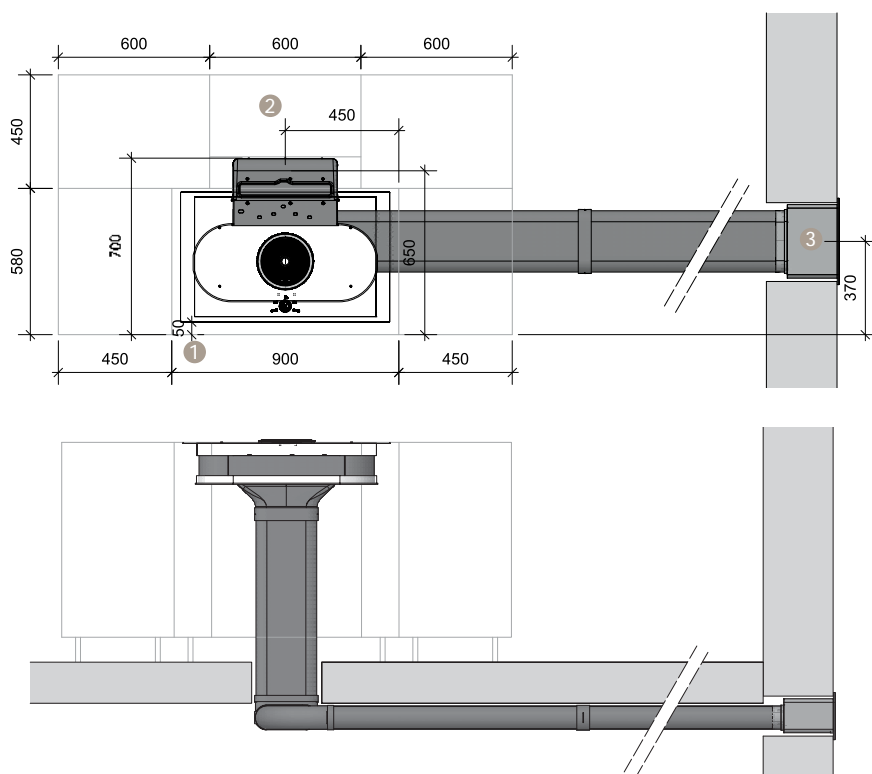
- ❶ Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- ❷ The carcass must be shortened
- ❸ Minimum wall gap: 330 x 175 mm

Ecotube duct elements

- EFV shallow duct connection as required
- EF1000 shallow duct as required
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- EFD shallow seal as required



BFIA – exhaust air version for a kitchen island with airflow in the basement to the right:

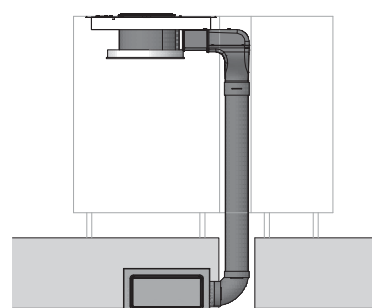


Planning instructions

- ❶ Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- ❷ The carcass must be shortened
- ❸ Minimum wall gap: 330 x 175 mm

Ecotube duct elements

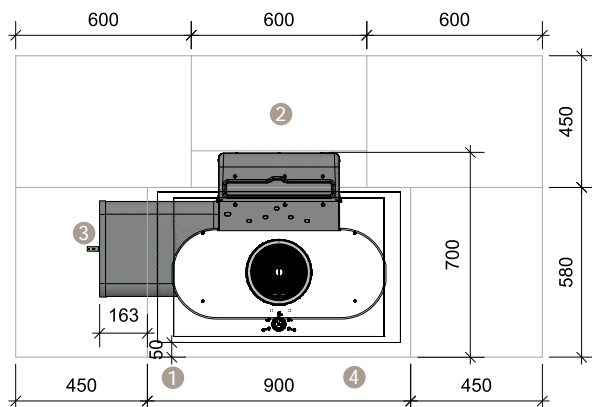
- EFV shallow duct connection as required
- EF1000 shallow duct as required
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- EFD shallow seal as required



Model plans

Basic model plans – recirculation

BFIU – recirculation version for a kitchen island with a horizontal ULB1 air purification box in the plinth:

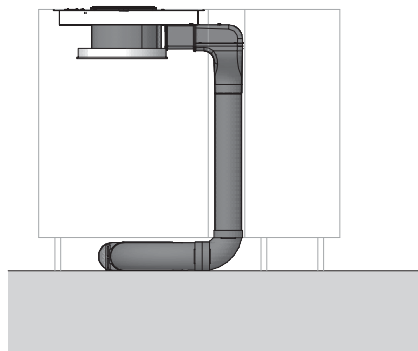
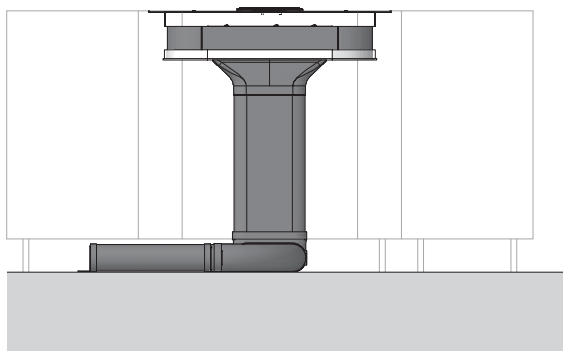


Planning instructions

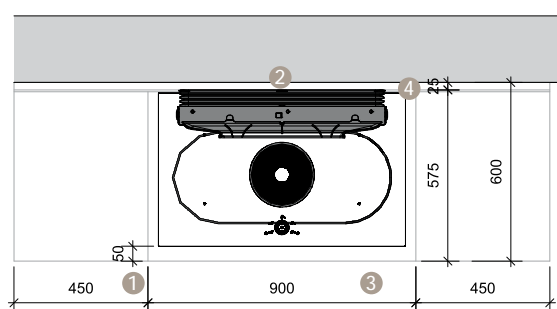
- ❶ Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- ❷ The carcass must be shortened
- ❸ Ensure accessibility for filter changes
- ❹ Provide for an outflow opening of at least 500 cm²

Ecotube duct elements

- 1x EFV shallow duct connection
- 1x EF1000 shallow duct
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- 6x EFD shallow seal

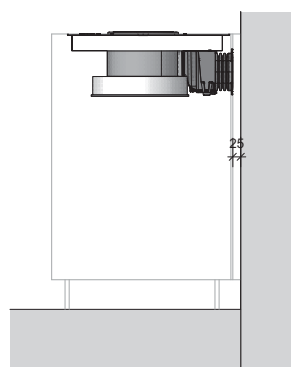
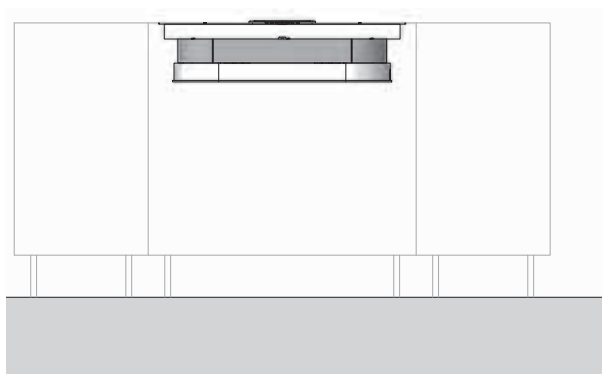


BFIU – recirculation version for a kitchen counter:



Planning instructions

- ❶ Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- ❷ Ensure accessibility for filter changes
- ❸ Provide for an outflow opening of at least 500 cm²
- ❹ Provide a gap of at least 25 mm between the carcass back wall and the adjacent component

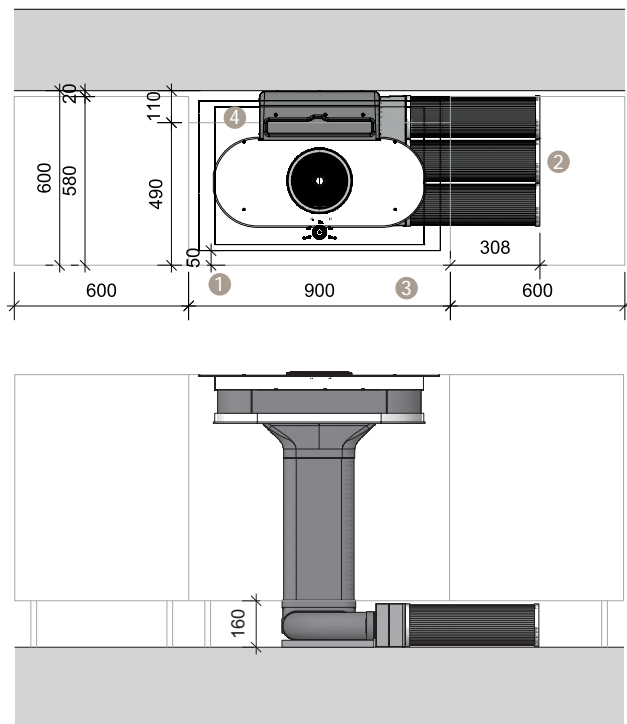


Model plans



Basic model plans – recirculation

BFIU – recirculation version for a kitchen island with a horizontal ULB3 air purification box in the plinth:

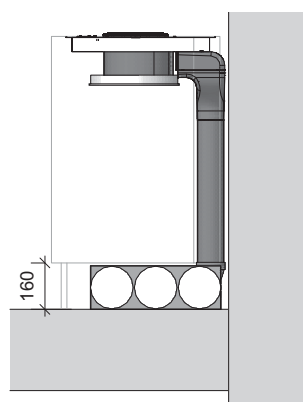


Planning instructions

- ① Minimum clearance of 50 mm from the front edge of the cover to the start of the cooktop
- ② Ensure accessibility for filter changes
- ③ Provide for an outflow opening of at least 500 cm²
- ④ The carcass must be shortened

Ecotube duct elements

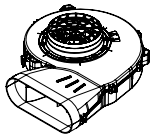
- 1x EFV shallow duct connection
- 1x EF1000 shallow duct
- 1x ERBV90 shallow, vertical 90° bend
- 1x EFBH90 shallow, horizontal 90° bend
- 6x EFD shallow seal



BORA universal articles:

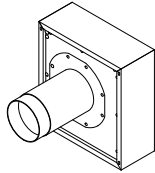
A broad range of parts for more quality down to the finest details.

To ensure that BORA systems can be seamlessly installed, we offer you parts that can be used universally to enable optimum performance down to the finest detail.



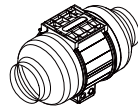
ULS BORA plinth fan

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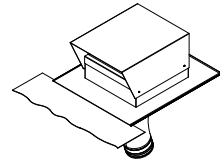
ULA BORA external wall fan

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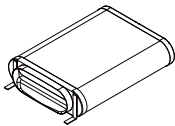
ULI BORA duct fan

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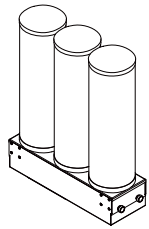
ULZ BORA tiled roof fan

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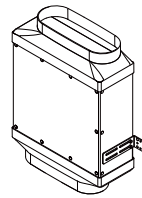
ULB1 BORA air purification box

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ULB3 BORA air purification box

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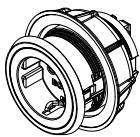
USDF BORA shallow silencer

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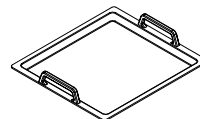
USDR BORA round silencer

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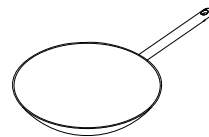
USTF/USTE/USTJ/USTL/USTG BORA sockets

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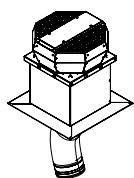
UGPC1/UGPI1 BORA grill pans
for HiLight and induction cooktops

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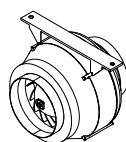
HIW1 BORA induction wok

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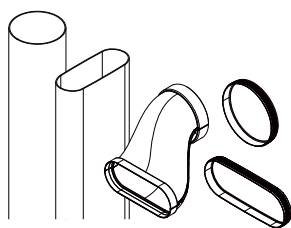
ULF BORA flat roof fan

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ULIE BORA additional duct fan

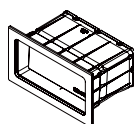
Page 101



BORA Ecotube

Duct elements optimally tailored to the BORA cooktop extractors.

From page 106



BORA 3box

Find out how the BORA wall sleeve affects the efficiency of the entire exhaust system.

From page 114

BORA universal articles:

Product overview

ULIE

Additional duct fan



ULF

Flat roof fan



ULZ

Tiled roof fan



ULI

Duct fan



ULA

External wall fan



ULS

Plinth fan



Universal fan

ULB3

Air purification box with 3 activated charcoal filters



ULB1

Air purification box



Universal filter

USDR50/USDR100
Round silencer



USDF
Shallow silencer



Universal silencer

EFBH90
Shallow, horizontal 90° bend



EFR90
Shallow, round, 90° transition



EFRV
Shallow, round, offset transition



EFRG
Shallow, round, straight transition



ER1000
Round duct 1000 mm



EF47
Shallow duct 47 mm



EF1000
Shallow duct 1000 mm



ERMS
Round mounting bracket set



EFMS
Shallow mounting bracket set



ERD
Round seal



EFD
Shallow seal



ERV
Round duct connection



EFV
Shallow duct connection



EFBH15
Shallow, horizontal 15° bend



ERB90
Round 90° bend



EFBV90
Shallow, vertical 90° bend



UEBF
BORA 3box



USTF/USTE/USTJ/USTG/USTL
Sockets



HIW1
Induction wok



UGPC1/UGPI1
Grill pan

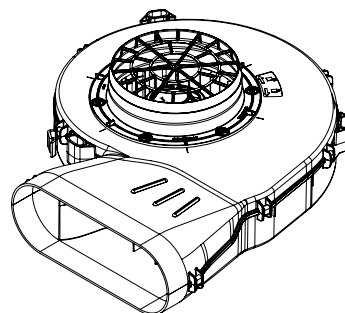
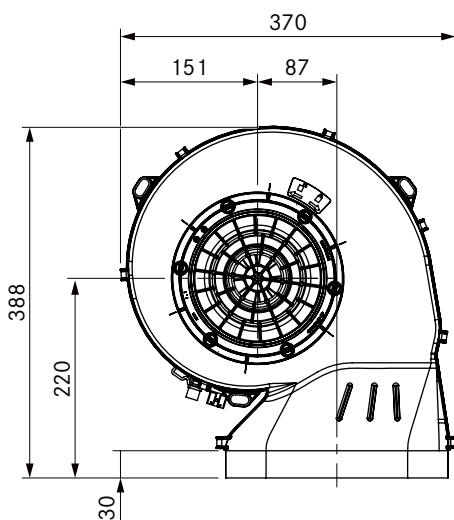
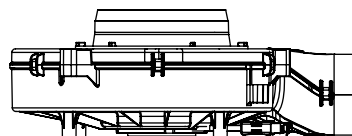
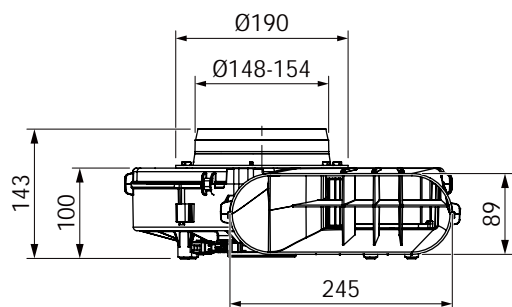


Ecotube duct system

Ecotube wall sleeve

Universal accessories

BORA plinth fan



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	170 W
Current consumption	Max. 1.4 A
Maximum ambient temperature	40°C
Maximum flow volume	660 m³/h
Maximum static pressure	608 Pa
Dimensions (WxDxH)	370 x 388 x 100 mm
Weight (incl. accessories/package)	2.85 kg
Housing material	Plastic
Power supply cable	0.6 m
Duct connection	BORA Ecotube

Product description

- For horizontal installation in the plinth area, floor structure or suspended from the basement ceiling
- Highest energy efficiency class and low energy consumption (EC technology)
- Freely adjustable power control
- Minimal operating noise thanks to integrated sound insulation and optimised fan geometry
- Compact spiral geometry
- Functional and light plastic housing
- Rubberised device feet
- Integrated mounting points for ceiling assembly
- Removable inlet nozzle for plinth height from 100 mm
- Duct connections with integrated seal
- The fan is designed for use with the PKA, PKAS and CKASE BORA cooktop extractors

- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the plinth fan must be supplemented with an additional Universal fan module

Scope of delivery

- ULS plinth fan
- Operating and installation instructions
- 2 m EPDM sealing tape

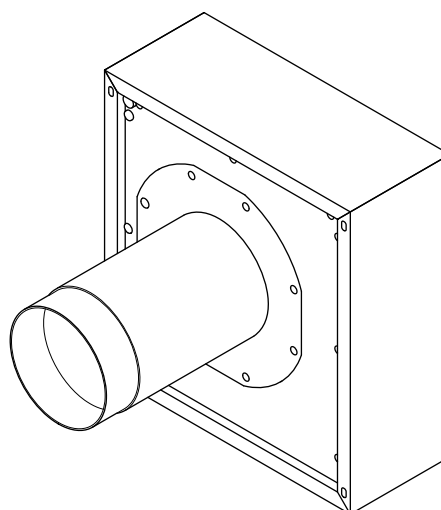
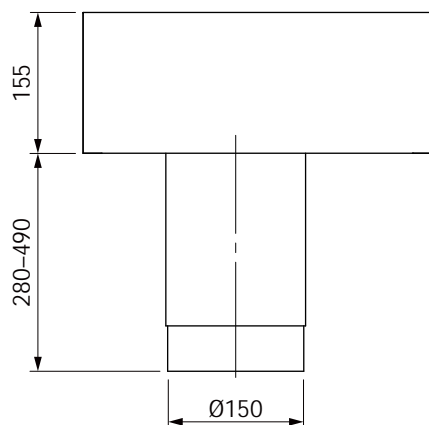
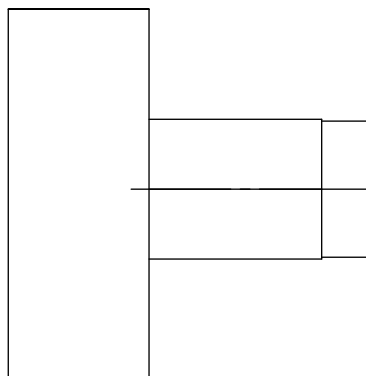
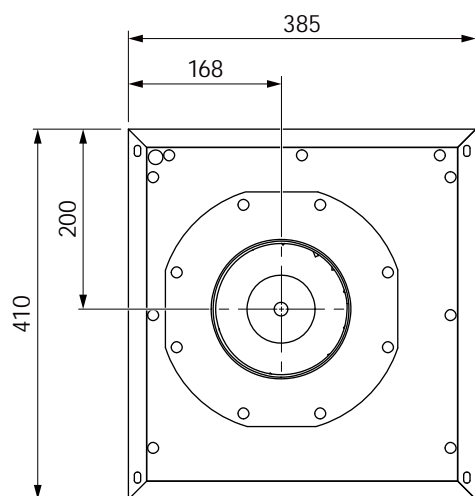
Accessories

- Universal extension of UVNLE10 mains cable EC 10 m
- Universal extension of UVSLE10 control line EC 10 m

Planning instructions

- For suspended installation, a bore hole diameter of Ø 200 mm is required for the ceiling cut-out

BORA external wall fan



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	149 W
Current consumption	1.26 A
Maximum ambient temperature	70°C
Maximum flow volume	1080 m ³ /h
Maximum static pressure	530 Pa
Dimensions (WxDxH)	385 x 155 x 410 mm
Weight (incl. accessories/package)	16.5 kg
Housing material	Stainless steel
Duct connection dimensions	Ø150 mm
Power supply cable	10 m

Product description

- For installation on the outside of the building
- Highest energy efficiency class and low energy consumption (EC technology)
- Freely adjustable power control
- Integrated sound insulation
- Suitable for wall thicknesses of 280 mm to 490 mm
- A KG duct with Ø 200 mm should be preinstalled in the external wall
- Air outlet downward
- Fixing elements must be provided at the installation site
- The fan is designed for use with the PKA and PKAS Professional cooktop extractors
- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the external wall fan must be supplemented with an additional Universal fan module

- If there are two fan modules in an air duct system, a minimum clearance of 3 m must be maintained between them

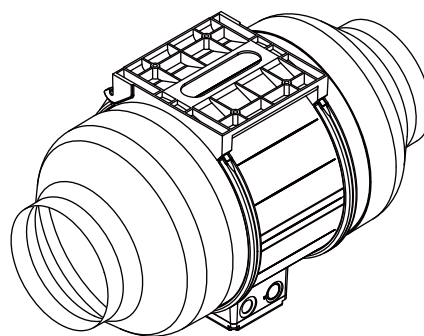
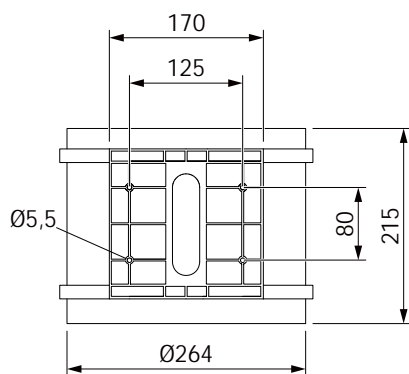
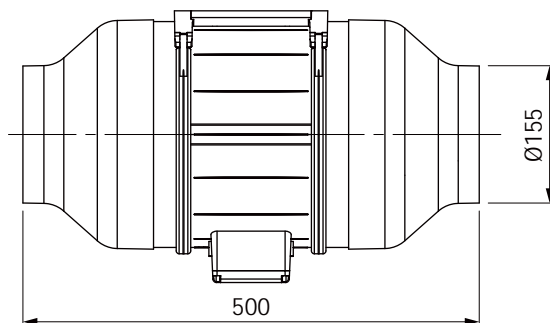
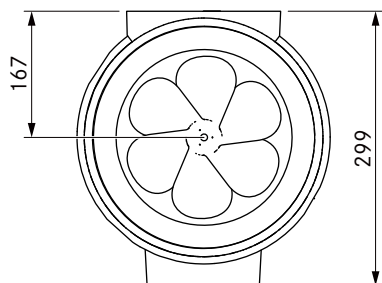
Scope of delivery

- ULA external wall fan
- Telescopic installation duct with integrated non-return valve
- Air repelling rail
- Installation instructions
- Empty pipe Ø 40 mm x 200 mm for cable feed
- Sealing tape

Accessories

- Universal extension of UVNLE10 mains cable EC 10 m
- Universal extension of UVSLE10 control line EC 10 m

BORA duct fan



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	304 W
Current consumption	2.1 A
Maximum ambient temperature	45°C
Maximum flow volume	2175 m³/h
Maximum static pressure	770 Pa
Dimensions (WxDxH)	500 (215) x 264 x 299 mm
Weight (incl. accessories/package)	6.0 kg
Housing material	Plastic
Duct connection dimensions	Without reduction: Ø 250 mm; With reduction: Ø 155 mm
Power supply cable	10 m each

Product description

- For installation in a round duct system with a diameter of Ø 250 mm or Ø 155 mm when using a duct reducer
- Highest energy efficiency class and low energy consumption (EC technology)
- Freely adjustable power control
- The terminal box can be turned to the desired position
- Fixing elements must be provided at the installation site
- The installation fixing plate is integrated
- The fan is designed for use with the PKA and PKAS Professional cooktop extractors
- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the duct fan must be supplemented with an additional Universal fan module

- If there are two fan modules in an air duct system, a minimum clearance of 3 m must be maintained between them
- Not suitable for installation in wooden units
- Provide for a minimum clearance of 3 m from the extraction opening and an additional silencer

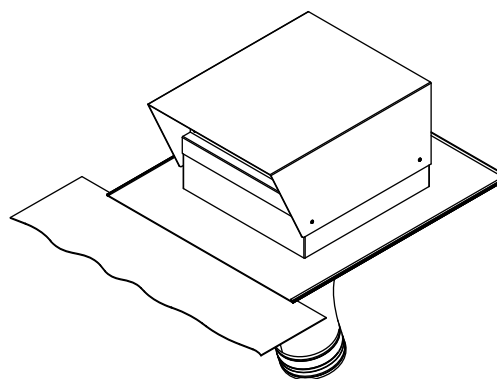
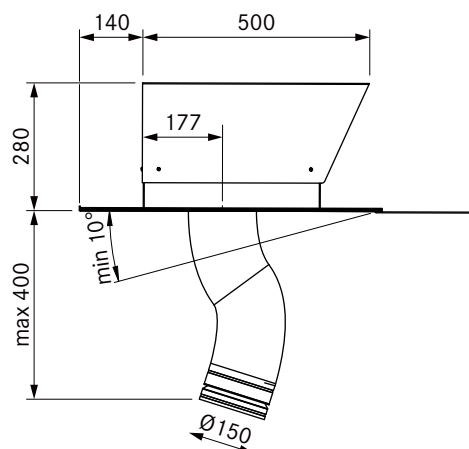
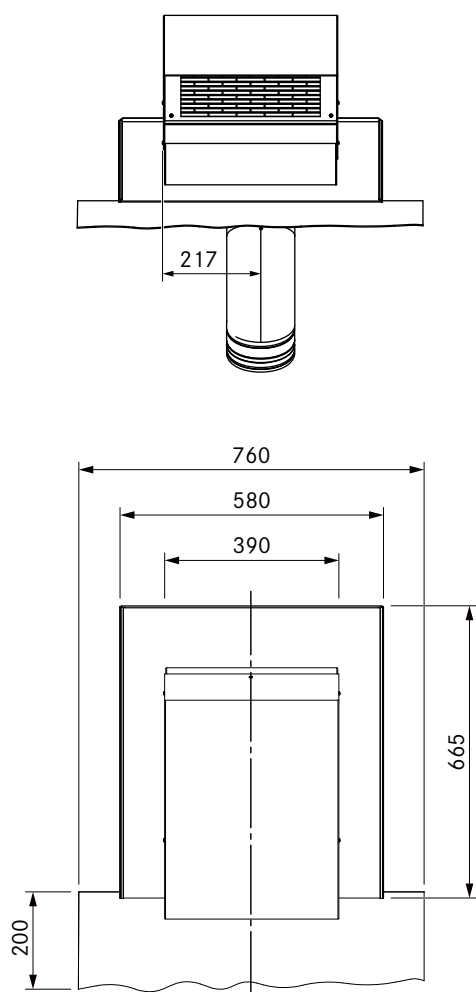
Scope of delivery

- ULI duct fan
- Duct reducer 250-155 ULIRR (2 pieces)
- Installation instructions

Accessories

- Universal extension of UVNLE10 mains cable EC 10 m
- Universal extension of UVSLE10 control line EC 10 m

BORA tiled roof fan



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	206 W
Current consumption	1.66 A
Maximum ambient temperature	70°C
Maximum flow volume	1210 m³/h
Maximum static pressure	650 Pa
Dimensions (WxDxH)	390 x 500 x 280 mm
Weight (incl. accessories/package)	16.5 kg
Housing material	Stainless steel
Duct connection dimensions	Ø 150 – 155 mm
Power supply cable	10 m each

Product description

- For installation on a tiled roof with a roof slope of at least 10°
- Highest energy efficiency class and low energy consumption (EC technology)
- Freely adjustable power control
- Integrated sound insulation
- The fully flexible fabric tube on the fan can be stretched by a maximum of 400 mm from the surface-mounted plate to the inner side of the building
- Air outlet downward
- A condensation separator must be installed, if necessary
- Fixing elements must be provided at the installation site
- The fan is designed for use with the PKA and PKAS Professional cooktop extractors
- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the tiled roof fan must be supplemented with an additional Universal fan module

- If there are two fan modules in an air duct system, a minimum clearance of 3 m must be maintained between them

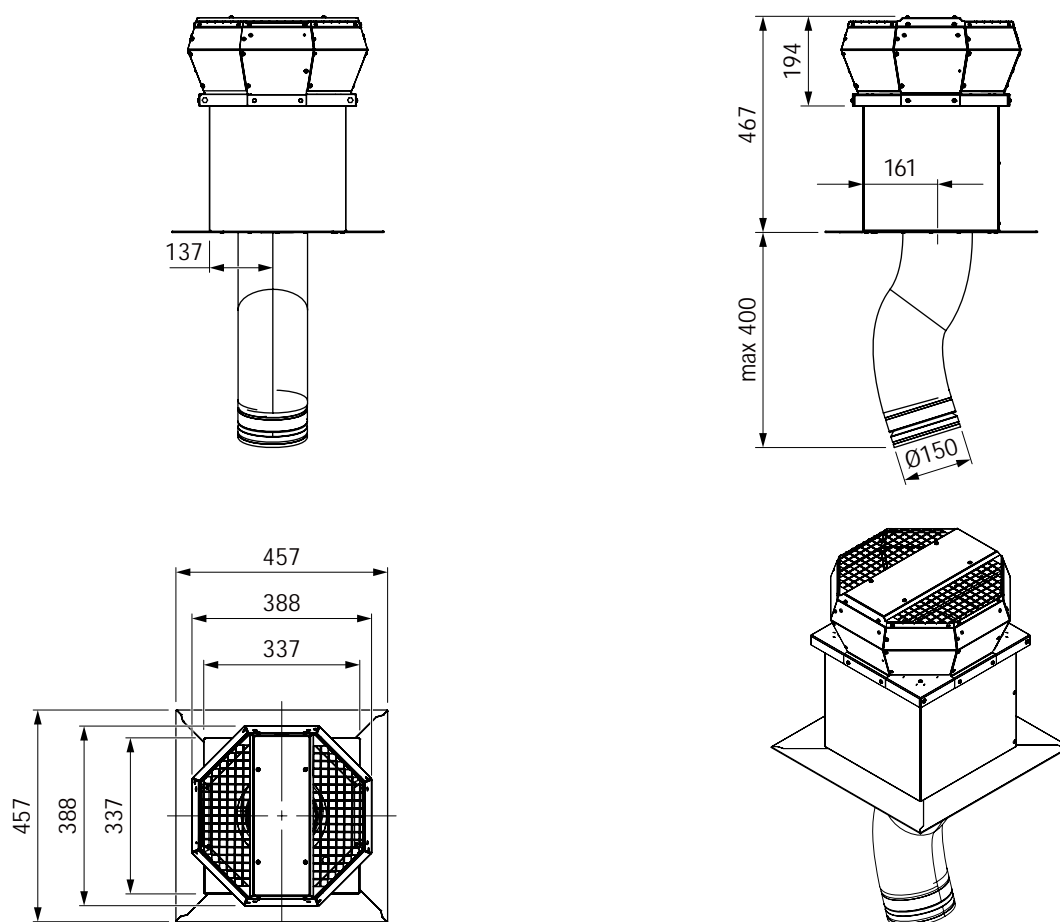
Scope of delivery

- ULZ tiled roof fan
- Fabric tube with non-return valve
- Installation instructions

Accessories

- Universal extension of UVNLE10 mains cable EC 10 m
- Universal extension of UVSLE10 control line EC 10 m

BORA flat roof fan



Technical data

Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	179 W
Current consumption	1.5 A
Maximum ambient temperature	70°C
Maximum flow volume	1200 m³/h
Maximum static pressure	570 Pa
Dimensions (WxDxH)	337 x 337 x 467 mm
Weight (incl. accessories/packaging)	16.5 kg
Housing material	Stainless steel
Duct connection dimensions	Ø 150 – 155 mm
Power supply cable	10 m each

Product description

- For installation on a flat roof
- Highest energy efficiency class and low energy consumption (EC technology)
- Freely adjustable power control
- The fully flexible fabric tube on the fan can be stretched by a maximum of 400 mm from the surface-mounted plate to the inner side of the building
- Air outlet upward
- A condensation separator must be installed, if necessary
- Fixing elements must be provided at the installation site
- The fan is designed for use with the PKA and PKAS Professional cooktop extractors
- In case of an exhaust channel of more than 6 m in length or significant pressure losses, the flat roof fan must be supplemented with an additional Universal fan module
- If there are two fan modules in an air duct system, a minimum clearance of 3 m must be maintained between them

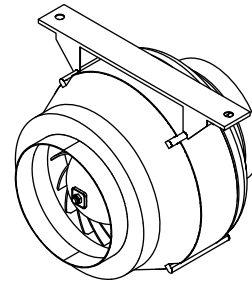
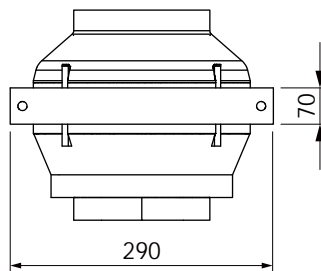
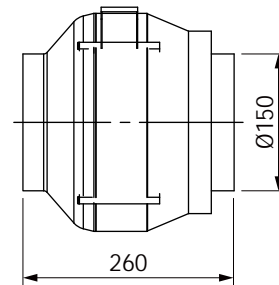
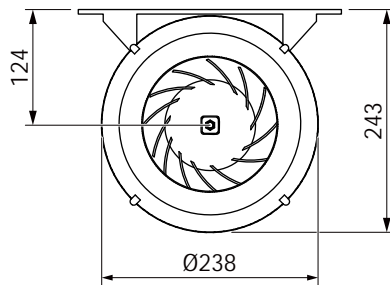
Scope of delivery

- ULF flat roof fan
- Fabric tube with non-return valve
- Installation instructions

Accessories

- Universal extension of UVNLE10 mains cable EC 10 m
- Universal extension of UVSLE10 control line EC 10 m

BORA additional duct fan



Technical data	
Supply voltage	220 – 240 V
Frequency	50 Hz
Power consumption	124 W
Current consumption	0.6 A
Maximum ambient temperature	55°C
Maximum flow volume	770 m³/h
Maximum static pressure	420 Pa
Dimensions (WxDxH)	260 x 243 mm
Dimensions	Ø 238 mm
Weight (incl. accessories/packaging)	4.5 kg
Housing material	Plastic/galvanised metal
Duct connection dimensions	Ø 150 – 155 mm
Power supply cable	10 m

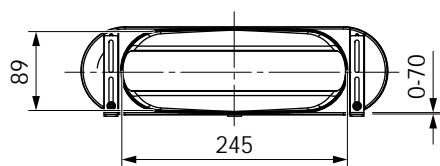
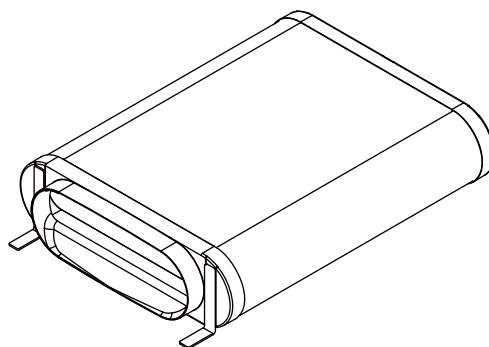
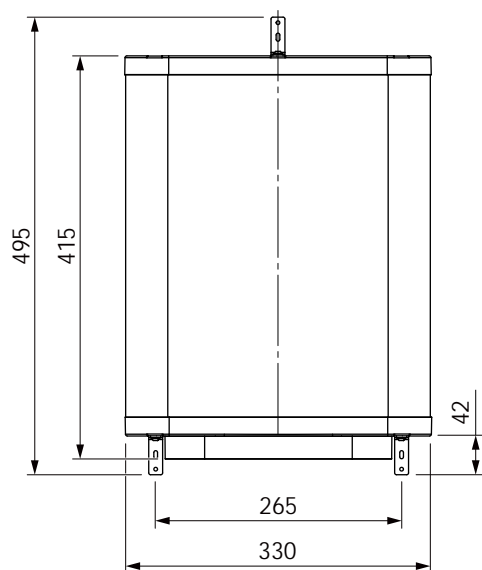
Product description
■ For installation in a round duct system with a diameter of Ø 150 mm
■ Can be installed as an additional fan for a BORA fan module
■ The fan is designed for use with the PKA, PKAS and CKASE BORA cooktop extractors
■ Fixing elements must be provided at the installation site
■ Mounting bracket: bore hole for fixing nut Ø 9 mm
■ If there are two fan modules in an air duct system, a minimum clearance of 3 m should be maintained
■ The fan can be directly connected to the USEE and the Home Out interface

Scope of delivery
■ Additional duct fan ULIE
■ Mounting bracket
■ Installation instructions
Accessories
■ Universal extension of UVNLE10 mains cable 10 m

ULB1



BORA air purification box



Technical data

Activated charcoal mass incl. carrier material	0.75 kg
Material filter	Activated charcoal foam
Housing material	Plastic
Dimensions (WxDxH)	330 x 415 x 96 mm
Shallow duct connection	245 x 89 x 25 mm
Weight (incl. accessories/packaging)	Approx. 2.0 kg
Service life	200 h / 1 year
Duct connection	BORA Ecotube

Product description

- Odour filter for cleaning the air in domestic kitchens
- Diverse installation options
- Connection to BORA Ecotube 245 x 89 x 25 mm
- Access for maintenance must be considered during planning
- Easy filter change
- Ensure a minimum return flow aperture of 500 cm² (e.g. plinth overlay or slatted plinth)

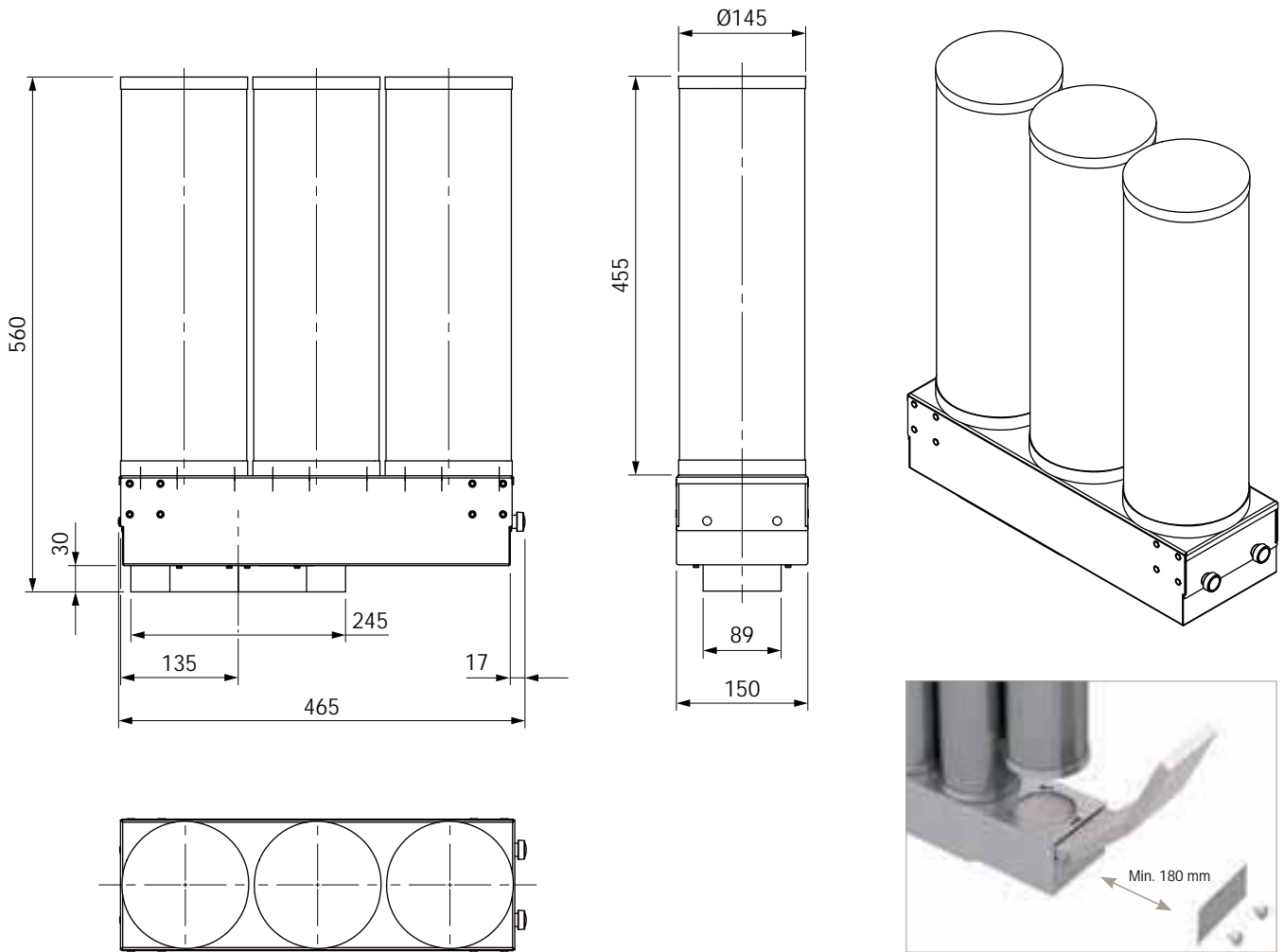
Scope of delivery

- ULB1 air purification box
- Fixing screw set
- 3 x angle brackets
- Operating and installation instructions

Planning instructions

- Clearance of at least 4 cm is required to replace the recirculation unit

BORA air purification box with 3 activated charcoal filters



Technical data

Activated charcoal mass incl. carrier material	8.5 kg
Material filter	Activated charcoal granulate
Housing material	Galvanised sheet steel
Dimensions (WxDxH)	465 x 560 x 150 mm
Shallow duct connection	245 x 89 x 30 mm
Weight (incl. accessories/packaging)	Approx. 11.5 kg
Service life	400 h / 2 years
Duct connection	BORA Ecotube

Product description

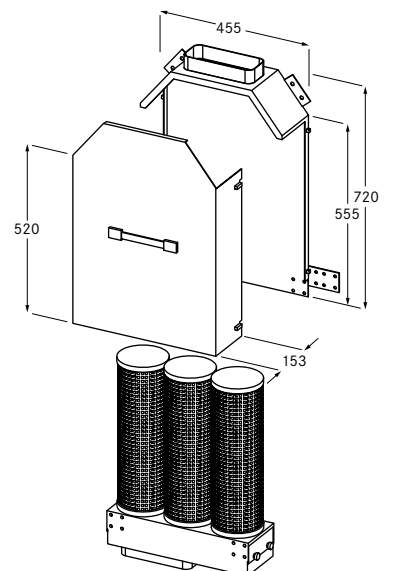
- Odour filter for cleaning the air in domestic kitchens
- Diverse installation options
- Connection to BORA Ecotube 245 x 89 x 30 mm
- Access for maintenance must be considered during planning
- Clearance of at least 2 cm is required to replace the filter cartridges
- Easy filter change
- Ensure a minimum return flow aperture of 500 cm² (e.g. plinth overlay or slatted plinth)

Scope of delivery

- ULB3 air purification box with 3 activated charcoal filters
- 3 x activated charcoal filter cartridges
- Housing plinth
- ULBAS fine filter set
- Fixing screw set
- 2 x angle brackets
- 2 x fastening clips
- Operating and installation instructions

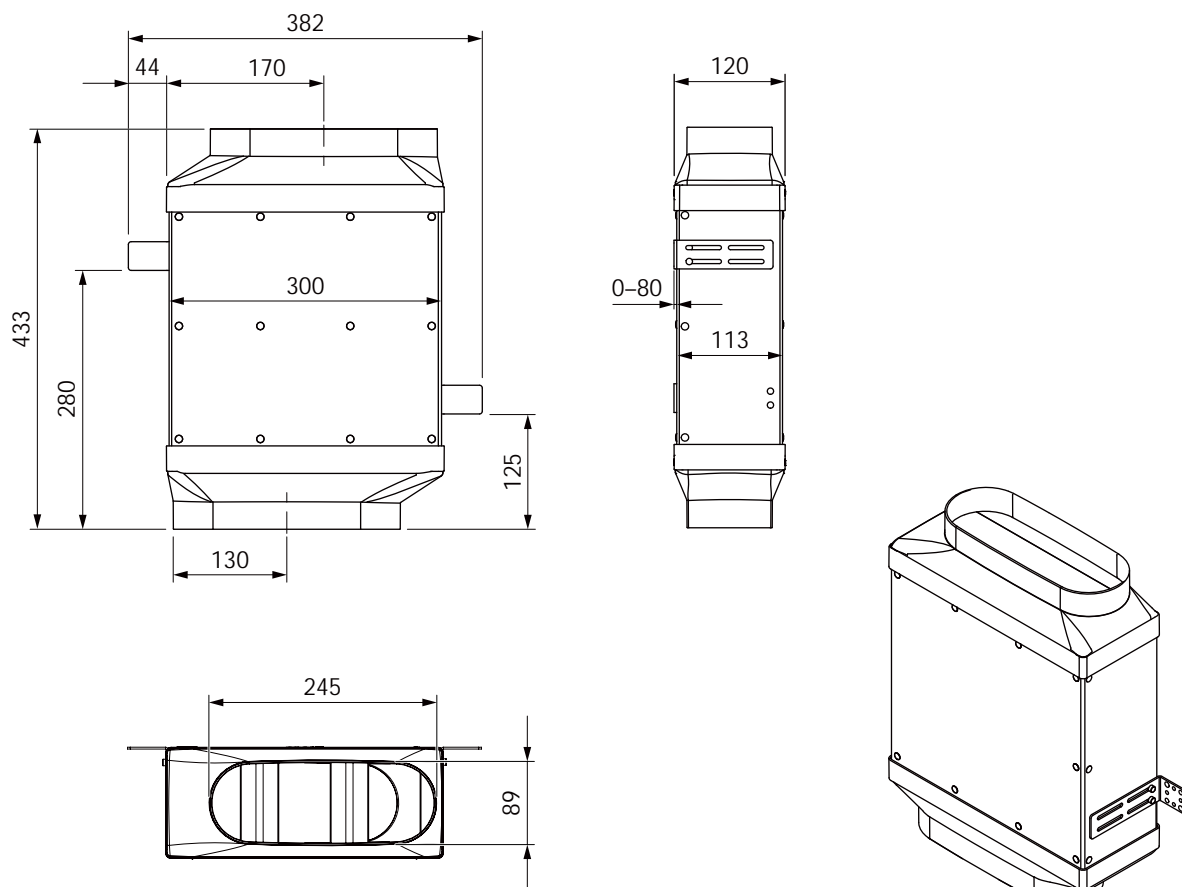
Accessories

- ULBAS replacement activated charcoal filter set
- ULBRH3 air purification box return hood



USDF

BORA shallow silencer



Technical data

Dimensions (WxDxH)	300 x 120 x 433 mm
Insulating layer thickness	25 mm
Insulation surface	0.198 m ²
Weight (incl. accessories/packaging)	Approx. 7.5 kg
Duct connection	BORA Ecotube

Product description

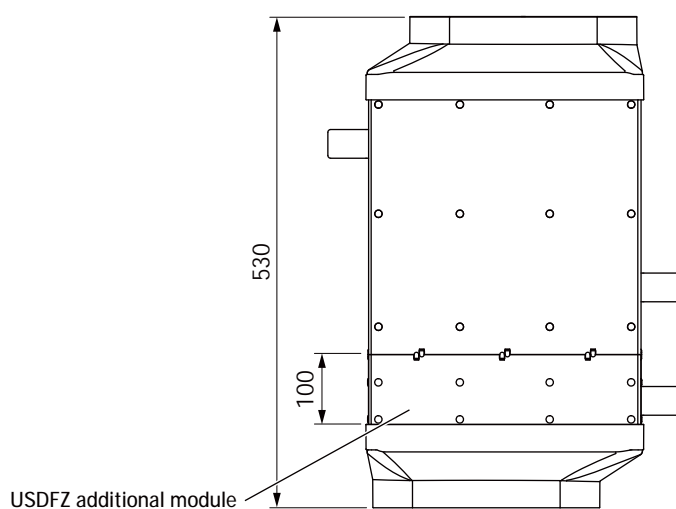
- Shallow silencer to muffle sound transmission from components
- Reduction of the sound pressure level by approx. 8 dB (A)
- Plastic end piece V0 acc. to UL94

Scope of delivery

- USDF shallow silencer
- Operating and installation instructions
- Fixing screw set
- 2 x angle brackets

Accessories

- USDFZ shallow silencer additional module

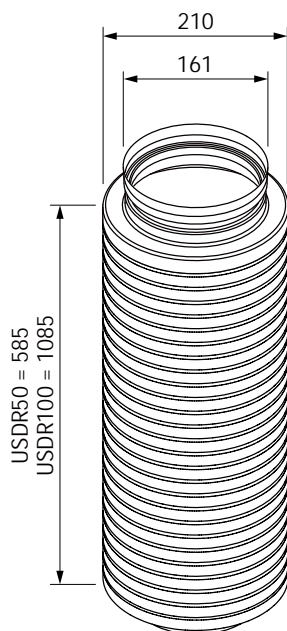


USDFZ additional module

USDR50/USDR100



BORA round silencer



Technical data

External duct dimensions	210 mm
Inner duct dimensions	150 mm
Overall length	585 mm / 1085 mm
Insulating layer thickness	25 mm
Insulation surface	0.236 m ² / 0.471 m ²
Duct connection	BORA Ecotube

Product description

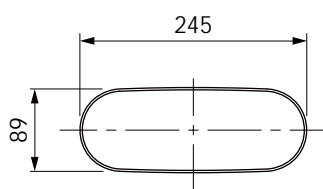
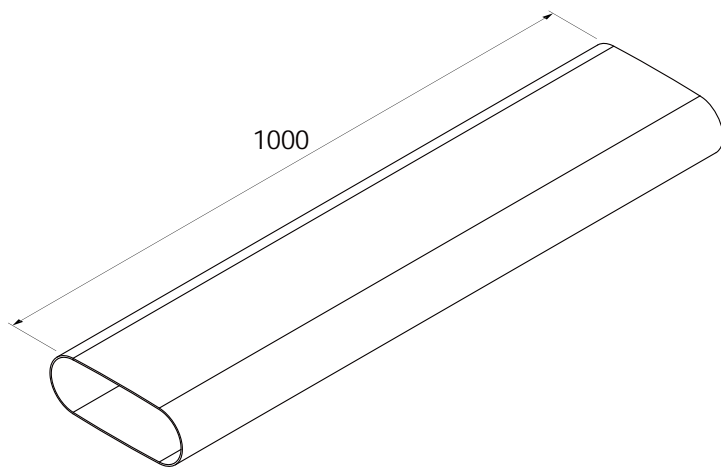
- Round silencer to muffle sound transmission from components
- Reduction of the sound pressure level:
 - USDR50 approx. 10 dB (A)
 - USDR100 approx. 13 dB (A)

Planning instructions

- It is not possible to shorten the length of the round silencer
- Round silencer with round sleeve form

EF1000

BORA Ecotube shallow duct 1000 mm



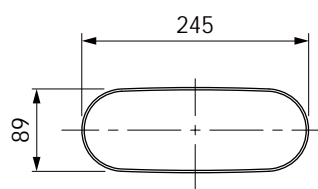
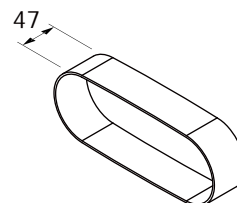
Technical data

Dimensions (WxDxH)	245 x 1000 x 89 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	-
Weight	1.9 kg

EF47



BORA Ecotube shallow duct 47 mm

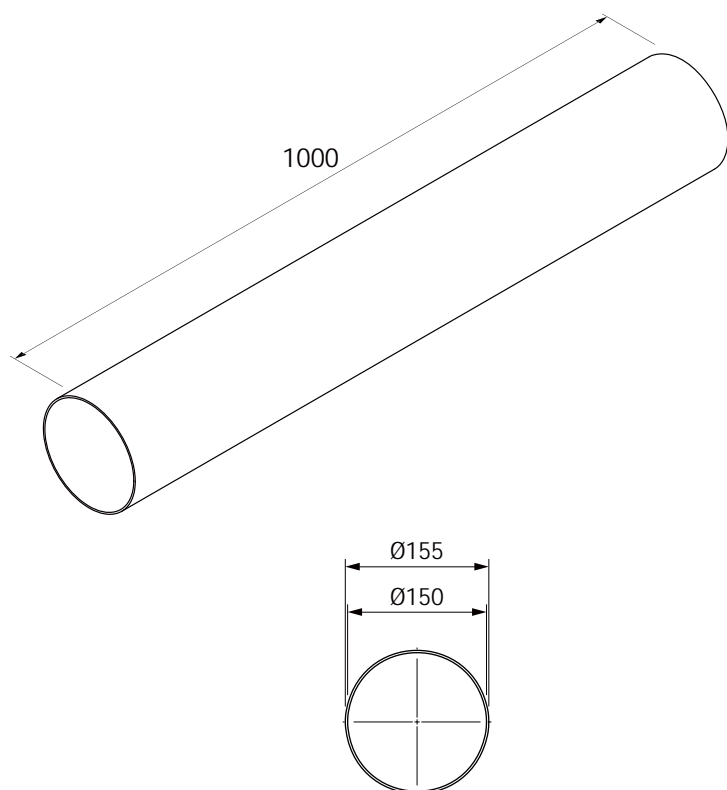


Technical data

Dimensions (WxDxH)	245 x 47 x 89 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	-
Weight	0.09 kg

ER1000

BORA Ecotube round duct 1000 mm



Technical data

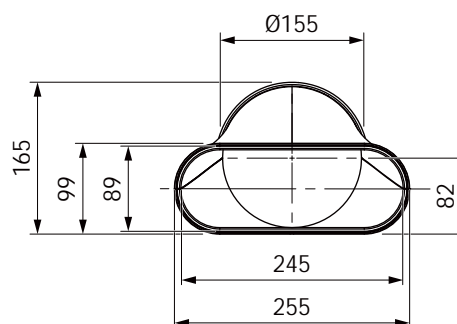
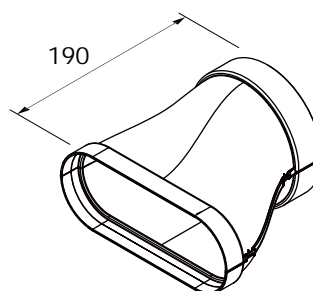
Dimensions (WxDxH)	155 x 1000 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	-
Weight	1.6 kg

EFRG

BORA Ecotube shallow, round, straight transition



BORA Universal
BORA Ecotube



Technical data

Dimensions (WxDxH)	255 x 190 x 155 mm
Material properties	V0 acc. to UL94
Number of seals required	1 x EFD, 1 x ERD
Weight	0.3 kg

Accessories

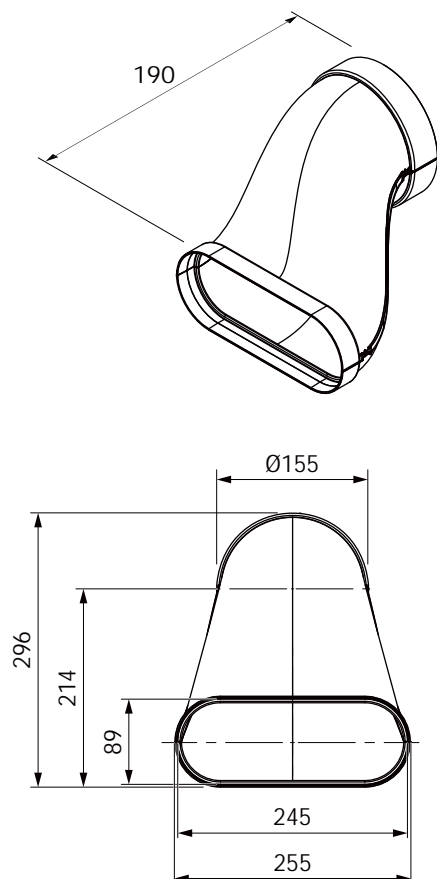
- EFMS/ERMS mounting bracket set

Planning instructions

- Moulded part with a shallow sleeve form
- Moulded part with a round sleeve form

EFRV

BORA Ecotube shallow, round, offset transition



Technical data

Dimensions (WxDxH)	255 x 190 x 296 mm
Material properties	V0 acc. to UL94
Number of seals required	1 x EFD, 1 x ERD
Weight	0.35 kg

Accessories

- EFMS/ERMS mounting bracket set

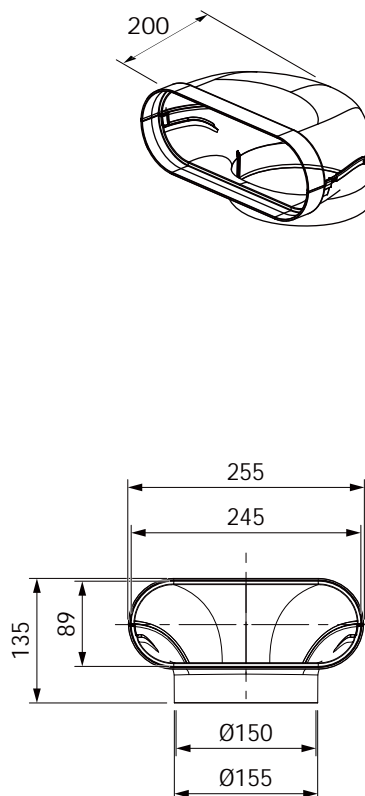
Planning instructions

- Moulded part with a shallow sleeve form
- Moulded part with a round sleeve form

EFR90



BORA Ecotube shallow, round, 90° transition



Technical data

Dimensions (WxDxH)	255 x 200 x 135 mm
Material properties	V0 acc. to UL94
Number of seals required	1 x EFD
Weight	0.32 kg

Accessories

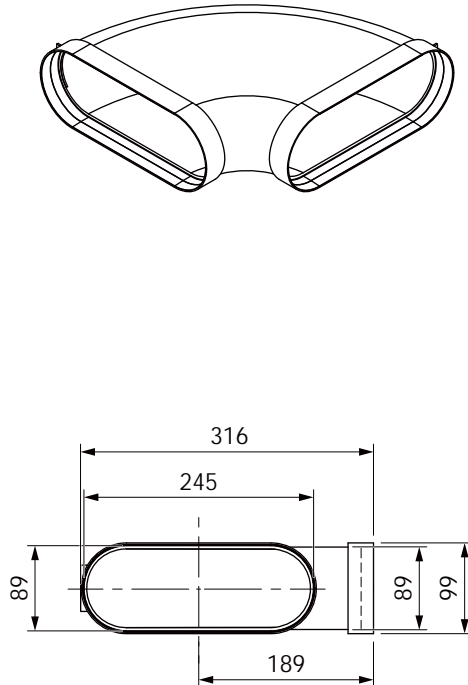
- EFMS mounting bracket set

Planning instructions

- Moulded part with a shallow sleeve form

EFBH90

BORA Ecotube shallow, horizontal 90° bend



Technical data

Dimensions (WxDxH)	316 x 316 x 99 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	2 x EFD
Weight	0.75 kg

Accessories

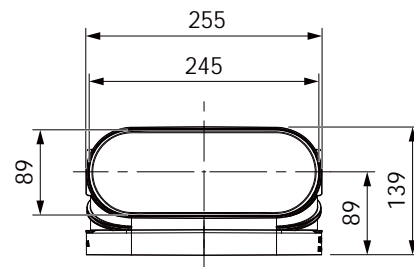
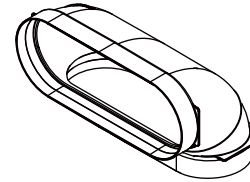
- EFMS mounting bracket set

Planning instructions

- Moulded part with two shallow sleeve forms

EFBV90

BORA Ecotube shallow, vertical 90° bend



Technical data

Dimensions (WxDxH)	255 x 139 x 139 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	2 x EFD
Weight	0.35 kg

Accessories

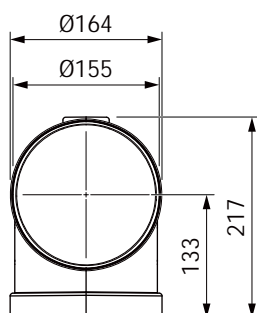
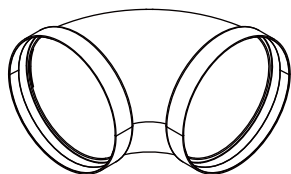
- EFMS mounting bracket set

Planning instructions

- Moulded part with two shallow sleeve forms

ERB90

BORA Ecotube round 90° bend



Technical data

Dimensions (WxDxH)	155 x 217 x 217 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	2 x ERD
Weight	0.37 kg

Accessories

- ERMS mounting bracket set

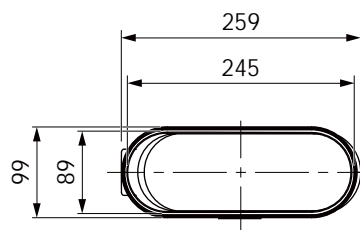
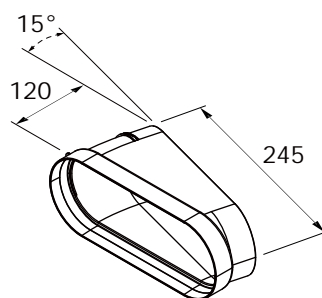
Planning instructions

- Moulded part with two round sleeve forms

EFBH15



BORA Ecotube shallow, horizontal 15° bend



Technical data

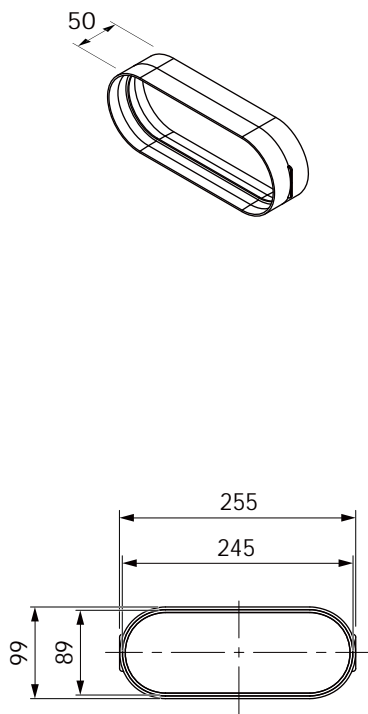
Dimensions (WxDxH)	259 x 115 x 99 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	1 x EFD
Weight	0.21 kg

Accessories

- EFMS mounting bracket set

Planning instructions

- Moulded part with a shallow sleeve form



Technical data

Dimensions (WxDxH)	255 x 50 x 99 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	2 x EFD
Weight	0.12 kg

Accessories

- EFMS mounting bracket set

Planning instructions

- Moulded part with two shallow sleeve forms

Technical data

Dimensions (WxDxH)	166 x 50 mm
Material properties	V0 acc. to UL94, B1 acc. to DIN 4102-1
Number of seals required	2 x ERD
Weight	0.1 kg

Accessories

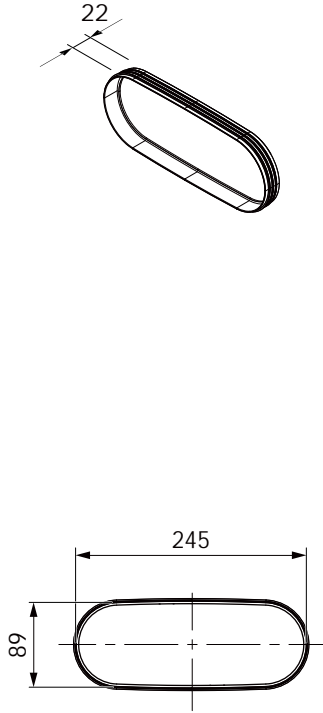
- ERMS mounting bracket set

Planning instructions

- Moulded part with two round sleeve forms

EFD

BORA Ecotube shallow seal



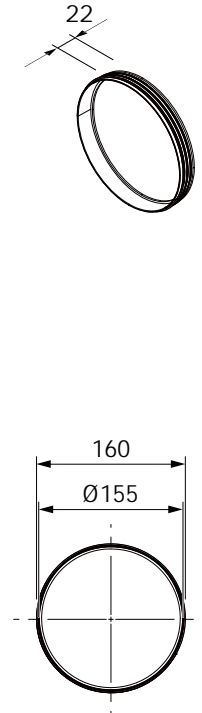
Technical data

Dimensions (WxDxH)	245 x 22 x 89 mm
Material properties	Self-extinguishing pursuant to DIN 75200
Weight	0.04 kg

ERD

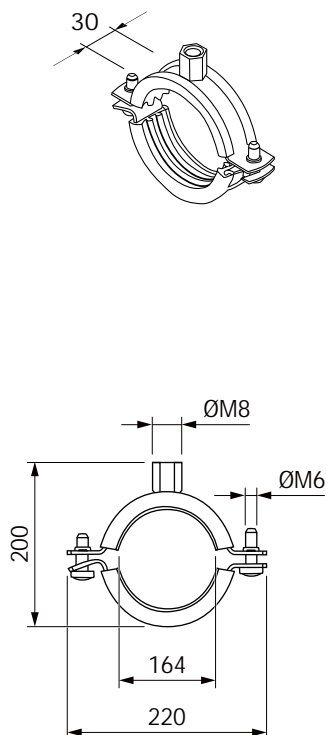
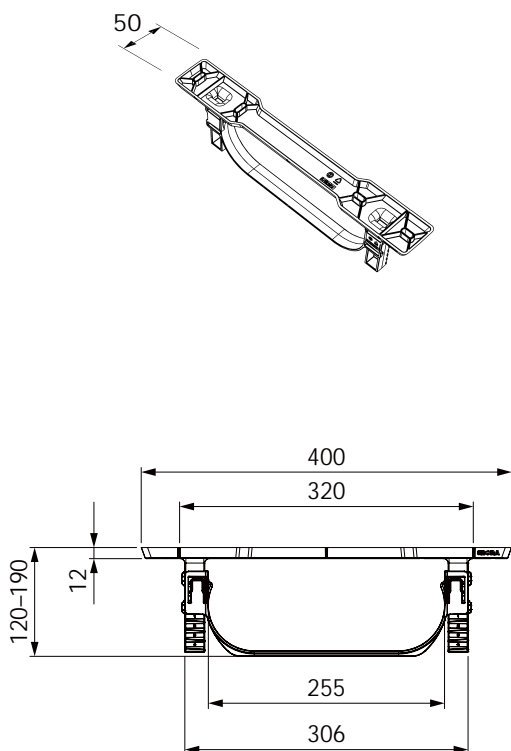


BORA Ecotube round seal



Technical data

Dimensions (WxDxH)	155 x 22 mm
Material properties	Self-extinguishing pursuant to DIN 75200
Weight	0.03 kg



Technical data

Dimensions (WxDxH)	400 x 50 x 118-188 mm
Weight	0.15 kg

Planning instructions

- Fixing elements must be provided at the installation site
- The EFMS clamps the connection of the moulded parts

Technical data

Dimensions (WxDxH)	220 x 30 x 200 mm
Material properties	B2 acc. to DIN 4102
Weight	0.45 kg

Scope of delivery

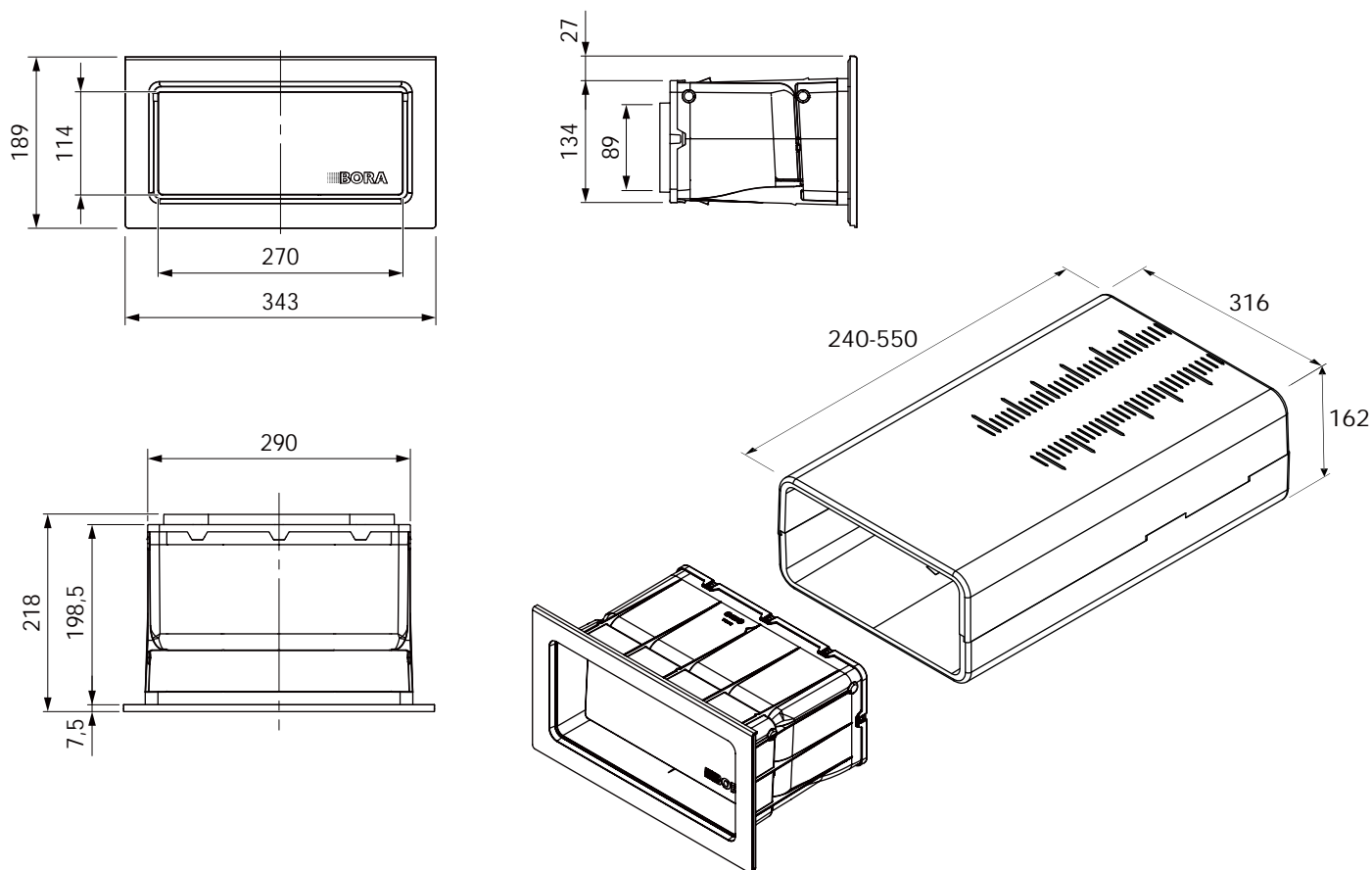
- Pipe clamp
- M8 hanger bolt
- Corresponding dowel

Planning instructions

- Fixing elements must be provided at the installation site
- The ERMS clamps the connection of the moulded parts

UEBF

BORA 3box



Technical data

Wall sleeve dimensions (WxDxH)	291 x 210 x 96 mm
Insulation dimensions (WxDxH)	316 x 240-550 x 162 mm
Cover dimensions (WxDxH)	343 x 7.5 x 189 mm
Shallow duct connection	245 x 89 mm
Weight (incl. accessories/package)	Approx. 2.8 kg
Material	Plastic

Product description

- UV-resistant material
- Resistant to driving rain based on EN 1027
- U value of 1.1 W/(m²K) based on EN ISO 12567-2
- Optimised low opening pressure
- Low pressure resistance

Scope of delivery

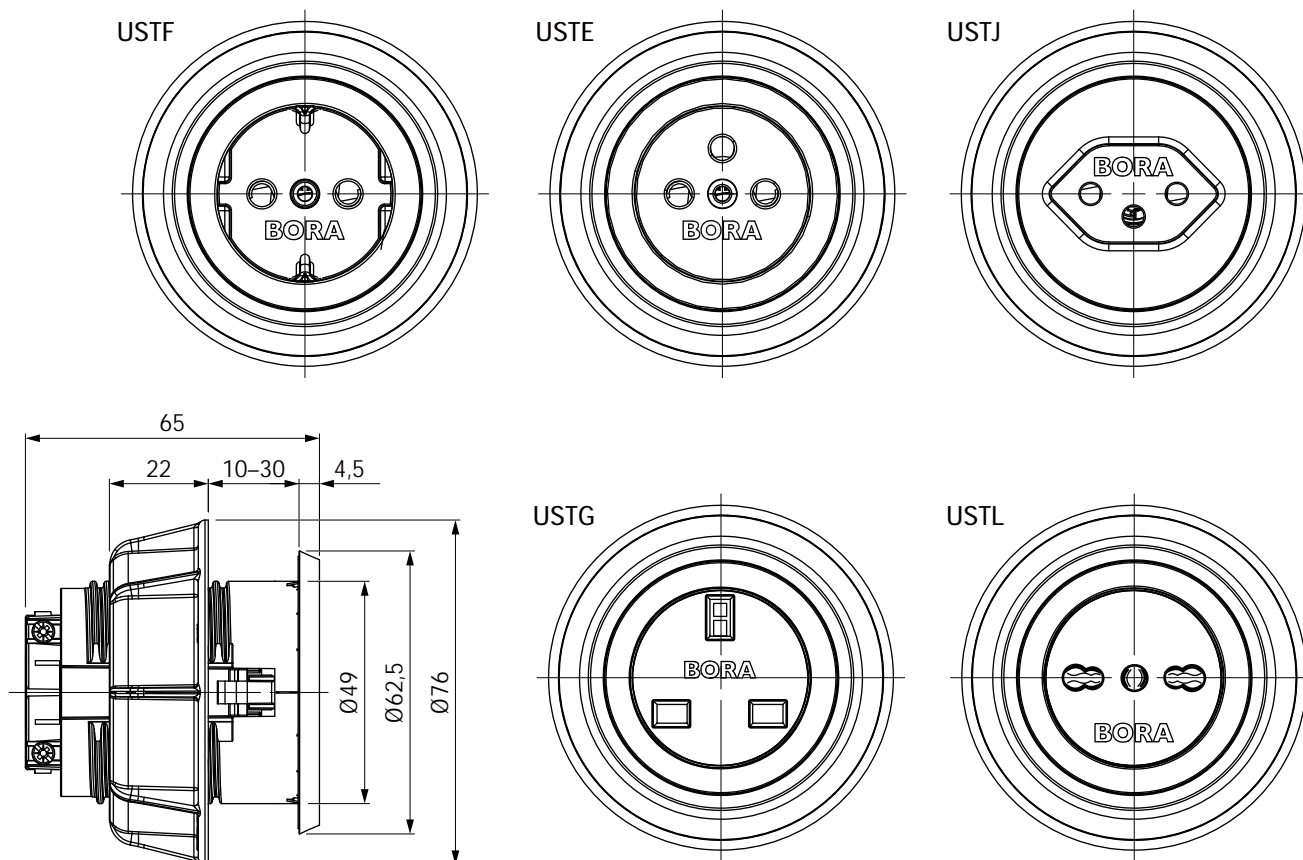
- UEBF BORA 3box
- Insulation for wall sleeve (top/bottom section)
- 2 x support for insulation
- Operating and installation instructions

Planning instructions

- Wall opening 330 x 175 mm, wall thickness 240-550 mm
- Ecotube duct connection with a shallow sleeve form

USTF/USTE/USTJ/USTG/USTL

BORA sockets



Technical data

Supply voltage	220-240 V
Maximum rated power	16 A (type F/E), 10 A (type J)
Dimensions	62.5 mm
Dimensions (thickness)	4.5 mm

Product description

- A practical way of connecting electrical domestic appliances
- Childproofing feature for the USTF and USTE sockets
- Stainless steel trim ring
- Matt black plastic socket
- Only for unit installation in kitchen cupboards with front thickness of 10 mm to 30 mm

Scope of delivery

- USTF/USTE/USTJ/USTG/USTL socket
- 2 m connection cable with country-specific plug

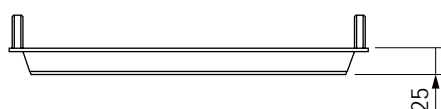
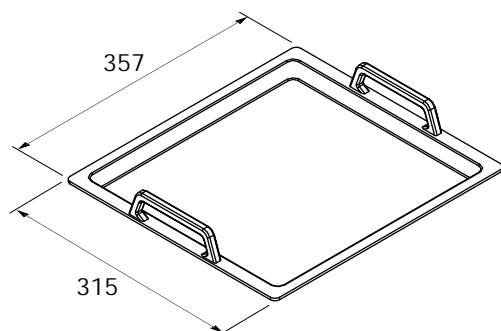
Country-specific variants:

- Type F: DE, ES, IT, AT, LU, PT, RU, BR, SE
- Type E: FR, PL, DK, BE, CZ, SK
- Type L: IT, SM
- Type J: CH, LI
- Type G: UK, AE, SG

UGPC1/UGPI1



UGPC1/UGPI1 BORA grill pan



Technical data

Dimensions (WxDxH)	325 x 357 x 25 mm (without handles)
Surface material	DURIT-Resist™ coating
Pan material	Aluminium
Weight (incl. accessories/packaging)	2.5 kg

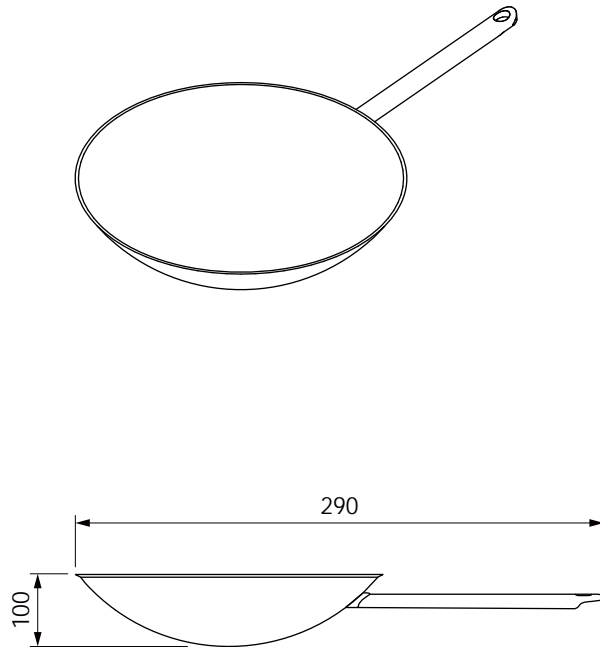
Product description

- Optimum temperature distribution thanks to aluminium cast design
- Durable, food-compliant DURIT-Resist™ coating
- Also suitable for steam ovens thanks to gastronomic dimensions (2/3)

Scope of delivery

- UGPC1: non-induction grill pan for HiLight glass ceramic cooktops or
- UGPI1: induction grill pan for induction glass ceramic cooktops

HIW 1 BORA induction wok



Technical data	
Dimensions	Ø 360 mm
Surface material	Silvinox®
Pan material	Multi-layer material up to the edge with special coating

Product description
<ul style="list-style-type: none"> ■ Ideal heat distribution ■ ControllInduc® technology restricts the maximum temperature to 250°C ■ Round base

Scope of delivery
<ul style="list-style-type: none"> ■ HIW1: induction wok for induction glass ceramic wok cooktop

Exhaust air or recirculation

All BORA cooktop extractor systems can be operated in both modes

Exhaust air

The BORA exhaust air system effectively combats vapours and offers the ideal solution for any room design. The fan channels the exhaust air straight outside through the BORA Ecotube duct system with the BORA 3box wall sleeve, removing all odours from the cooking area.

The BORA 3box can be used as an outlet for the exhaust system on any side of the house, including the one most exposed to the elements. The BORA 3box is extremely weather-resistant and even withstands driving rain.

As the BORA systems have a lower extraction volume than conventional extractor hoods, less warm inside air is channelled outside. Cooking sessions generally add energy and heat to the air in the room.

The compact dimensions of the BORA systems enable the BORA Ecotube and BORA 3box to be installed with minimum space requirements.

When planning BORA exhaust systems, the locally applicable standards and regulations must be adhered to. These standards and regulations must be provided by the customer before planning begins.

Recirculation

The BORA recirculation system is the alternative solution to exhaust air models. Odours are channelled via the plinth fan into the specially developed recirculation filters.

The high level of activated charcoal in the ULB1 and ULB3 recirculation filter and the BAKFS Basic activated charcoal filter set effectively filters the odours from the air extracted from the kitchen. The interaction between the chemical filter and the ULBP's activated charcoal catalyst layer also reliably removes odours, with the real benefits demonstrated during the after-run period. This means the BORA systems with the BORA recirculation filters provide fresh air in the kitchen.

With recirculation systems, the warm air is kept in the house and circulated around.

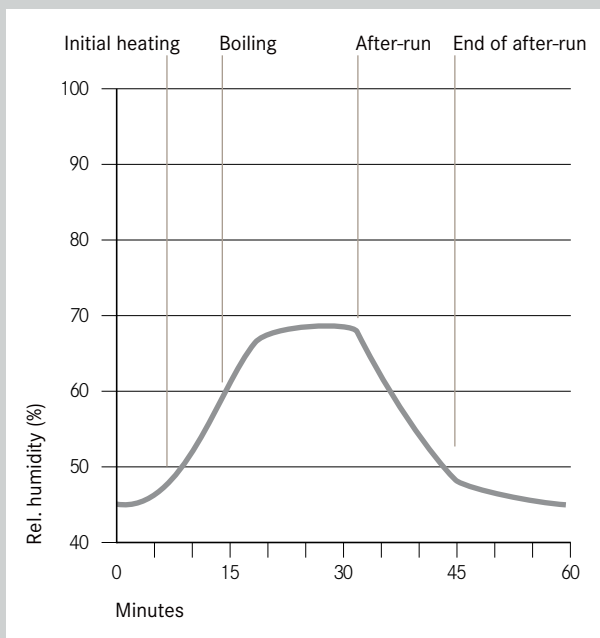
The recirculation system is ideal for passive houses and low or nearly-zero-energy buildings. Subject to compliance with current construction standards and the Energy Saving Ordinance (EnEV and DIN 4108) for old and new buildings, no mould can form when using BORA recirculation or exhaust systems. For more information, see 'Cooking in recirculation mode'.

Cooking in recirculation mode

Humidity when cooking in recirculation mode

Test:

30 min intensive boiling of 1.8 l water



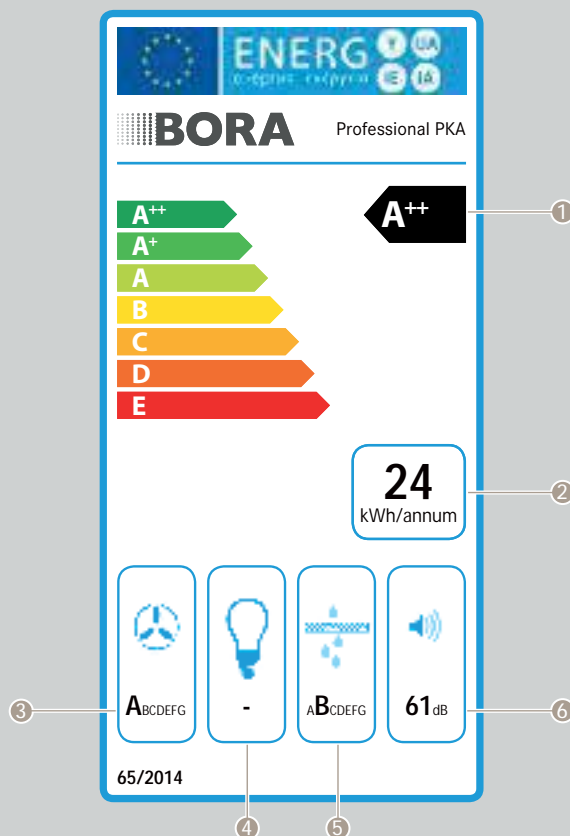
The key points for the optimum performance of the activated charcoal filter:

- Ensure sufficient ventilation (e.g. open window). The cooking session stops the room from getting cold despite the window being open.
- The cooktop and filter are optimally tailored to one another. The BORA cooktop extractors therefore have an automatic after-run, guarantee the optimum performance of the recirculation filter and increase the filter service life.
- No mould can form during normal cooking sessions. If the indoor environment is kept within the limits of what feels comfortable, the critical level of 80% rel. humidity for potential moisture damage to furniture or furniture parts will not be exceeded.
- When professionally installed, using the BORA cooktop extractor in recirculation mode will not cause an increase in humidity inside the adjacent kitchen units.

BORA activated charcoal filters are characterised by sophisticated, state-of-the-art technology. Odour molecules are effectively trapped and destroyed.

Energy consumption label

Explanation of the energy consumption label

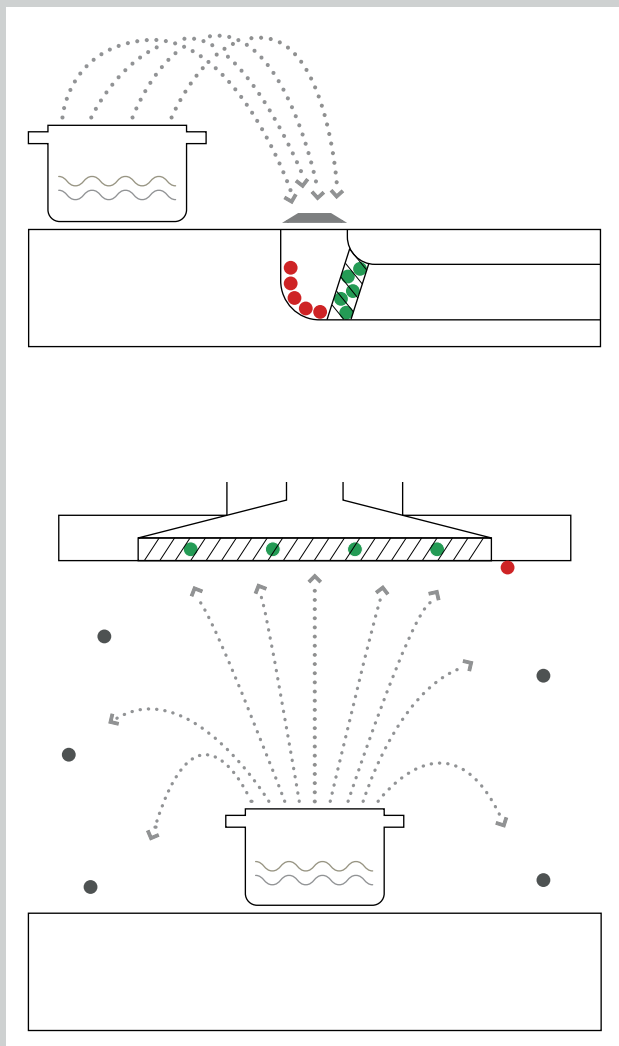


1 Energy efficiency class	The energy efficiency index is calculated on the basis of the standard energy consumption and the annual energy consumption for an average operating time of 60 minutes per day
2 Annual energy consumption	Specified in kWh/a based on an operating time of 60 minutes per day
3 Fluid dynamic efficiency (maximum power level inc. power setting)	Information on flow engineering properties (pressure/volume flow) based on electrical performance
4 Luminous efficiency	Not applicable
5 Grease filtering level (highest power level/normal use)	The grease filtering level is the ratio between the grease particles caught in the grease filter and removable parts and the total grease particles extracted by the cooktop extractor
6 Noise level (highest power level/normal use)	Specified as the sound power level in dB(A) as this is independent of space and distance. The sound pressure level specified in dB(A) is independent of space and distance

The labelling obligation only applies to exhaust air devices.

Grease filtering level

Grease filtering level acc. to the DIN/EN standard for energy labels



- Water
- Oil/grease
- Grease intercepted by the grease filter
- Grease settled in front of the grease filter
- Grease that is not trapped
(not considered when calculating the grease filtering level)

Test procedure

- The grease filtering level refers to the amount of grease particles that are trapped by the grease filter and other removable and washable components. This amount is compared to the total amount of particles suctioned in by the cooktop extractor/extractor hood. For BORA products, the level is 95% – some extractor hoods only achieve half this amount.
- This level does not consider the amount of grease particles not trapped by extractor hoods at all. The discrepancy therefore arises between a high capture rate and the grease filtering level – which results from the fact that the test procedure was developed for extractor hoods.
- The grease that settles in front of the filter in BORA Professional and BORA Classic appliances is easily removed with a cloth. However, this is of no relevance in relation to the standard as only removable components are rated.
- When using BORA products on an everyday basis, this means that air, hair, clothes and surfaces remain clean.
- Incidentally, BORA Basic complies with standards thanks to the removable housing base and also achieves a high grease filtering level according to standards.

$$\text{BORA grease filtering level} = \frac{\text{Grease intercepted by the grease filter}}{\text{Grease intercepted by the grease filter} + \text{Grease settled in front of the grease filter}} \%$$

$$\text{Grease filtering level of a conventional extractor hood} = \frac{\text{Grease intercepted by the grease filter}}{\text{Grease intercepted by the grease filter} + \text{Grease that is not trapped}} \%$$

Thanks to sophisticated extraction equipment and the latest filter technology, BORA offers far more comfort and convenience when cooking. The stainless steel grease filters used are compact, simple to remove and easy to clean in a dishwasher.

BORA Ecotube



Basic principles for optimum design



Necessary minimum cross-section: to expel the suctioned air quantities without major losses, each component must have a minimum cross-section of 176 cm².

The new BORA Ecotube duct system and the BORA 3box wall sleeve turn BORA Professional, BORA Classic, BORA Basic and the recirculation filter into a harmonious complete system for recirculation and exhaust air solutions from a single source. This complete system provides perfect draw-off performance and optimally meets exacting requirements in terms of effectiveness, ease of installation and flexibility.

BORA Ecotube's sealing system ensures quick and simple installation without the hassle of additional gluing. An air-tight seal is formed between the components by tightening the seal on the BORA Ecotube duct elements and inserting them into the moulded parts.

BORA Ecotube



Basic principles for optimum design



Shallow duct on the floor covering



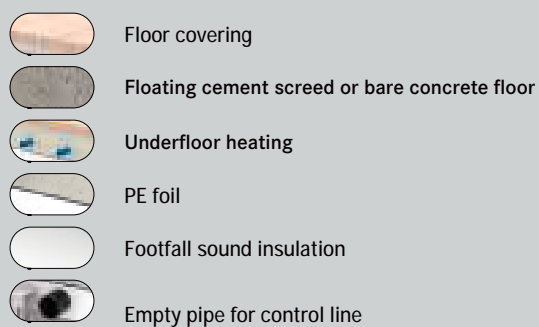
Shallow duct on the ceiling



Shallow duct in the footfall sound insulation and reinforced concrete floor



Shallow duct in the footfall sound insulation



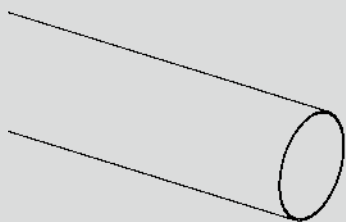
The exhaust ducting can be installed in various ways. In general, a solution is selected within the plinth area of the kitchen. If the exhaust ducting is integrated into the flooring, the floating cement screed has to be reinforced. The feasibility from a structural engineering and legal perspective should be clarified in advance with the architect, structural engineer or relevant trade professionals.

Pipes and ducts

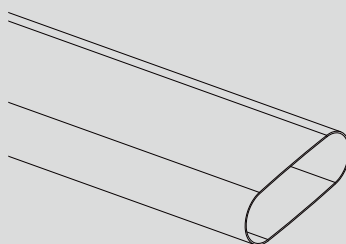
Pipe types

Optimum flow on pipe inner surfaces

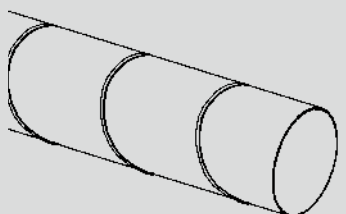
Round pipe:
ER1000 Ecotube



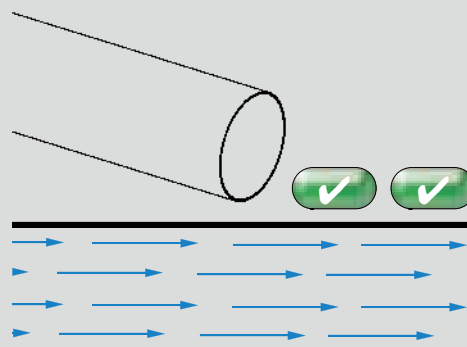
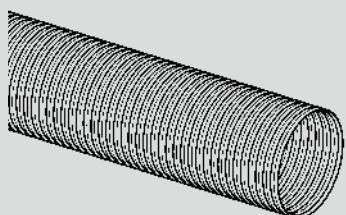
Shallow duct:
EF1000 Ecotube



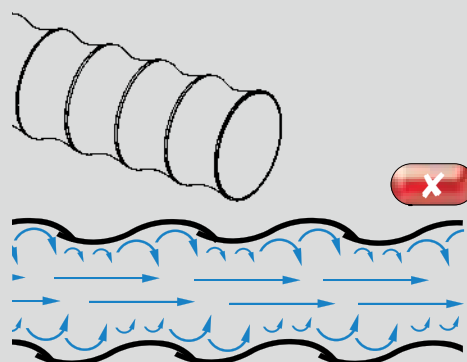
Spiral duct



Aluflex hose



BORA Ecotube:
Optimum flow through smooth inner pipe surfaces



Conventional spiral hose:
Very poor flow as a result of an extremely uneven surface

The BORA Ecotube cross-sections and shapes perfect the extraction behaviour and effectiveness of the BORA extraction systems.

Please ensure that the minimum duct diameter of 150 mm (= 176 cm²) is adhered to. In principle, an exhaust channel of up to 6 m can be implemented with one fan module.

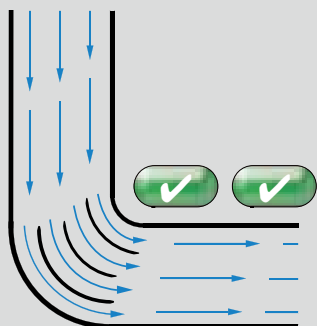
The new BORA Ecotube improves the flow ratio with up to 20% less pressure loss compared to other duct systems on the market.

Pipes and ducts

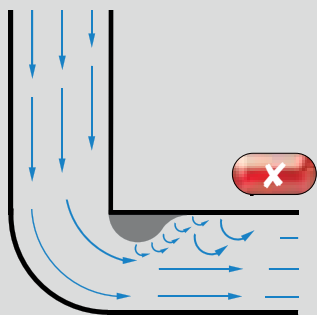


Bends

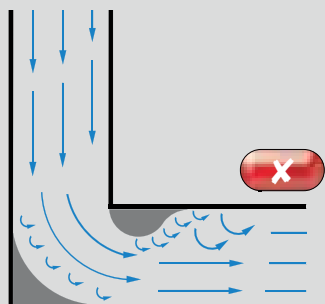
Advantages of BORA Ecotube



BORA Ecotube:
Optimum flow thanks to the
integrated guide bodies and
rounded corners in the pipe
bends



Poor flow:
Air turbulence is created
after the sharp inner
corners.



Poor flow:
Air turbulence is created
after the sharp corners.

- Integrated solution
- Oval cross-section for optimised flow
- Optimisation of the system's pressure resistance
- Shallow duct geometry
- Self-sealing connections between the moulded parts and the duct elements
- Improved ease of installation for fitting in the plinth and on ceilings
- Plastic with very high fire safety class and V0 classification acc. to UL94

Pipes and bends must be tailored to one another. The BORA Ecotube pipe bends result in optimum draw-off performance thanks to specially integrated guide bodies and rounded corners. If you use a different duct system, please note our tips on flow behaviour in pipe bends.

BORA 3box



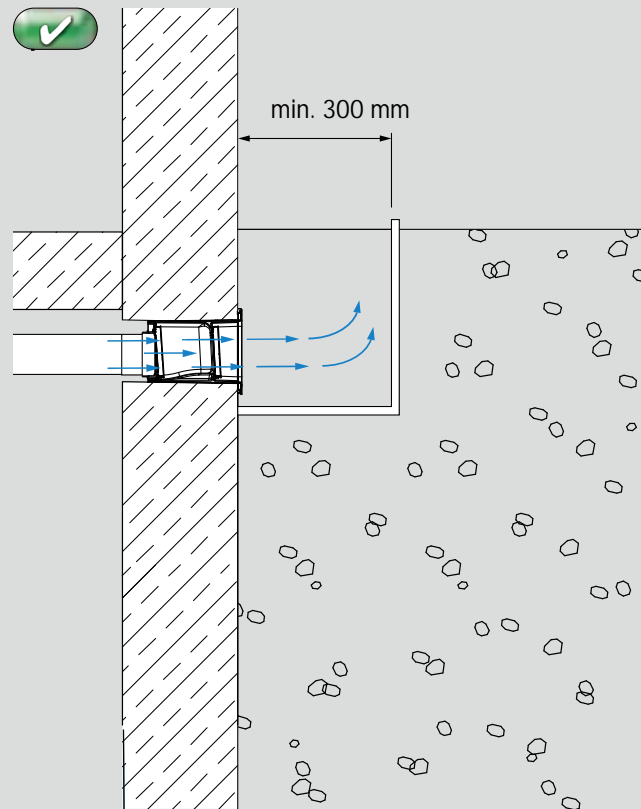
Effective performance down to the last component



Advantages of the BORA 3box (UEBF)

- Integrated solution
- Simple, mechanical, reliable functionality
- Optimised low opening pressure
- Low pressure resistance
- Resistant to environmental influences
- No additional cable routing required for the power supply or sensor systems
- Triple insulated
- Easy installation
- Adaptable to different wall thicknesses
- Condensate and rain water drainage
- Insulation between the wall sleeve and BORA 3box

In this example, the air is fed into a basement shaft. Sufficient clearance must also be ensured here.

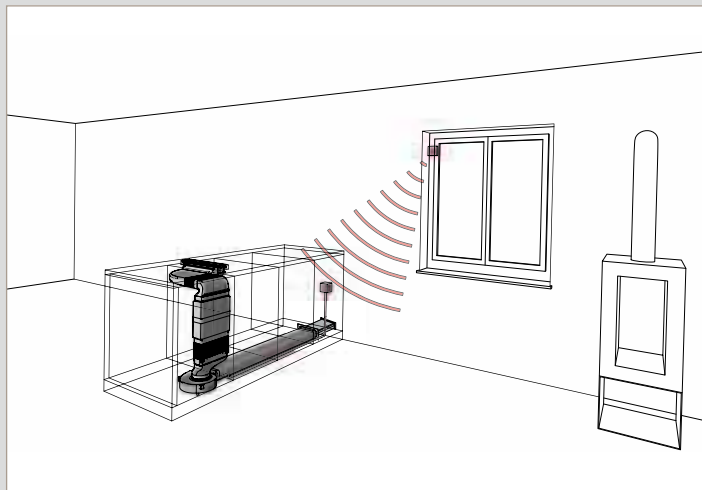


The wall sleeve must be installed in a shaft with a width of at least 300 mm. The depth of the shaft does not matter.

The BORA 3box is part of the integrated solution for the optimally aligned overall system from BORA.

Operation with flues/fireplaces

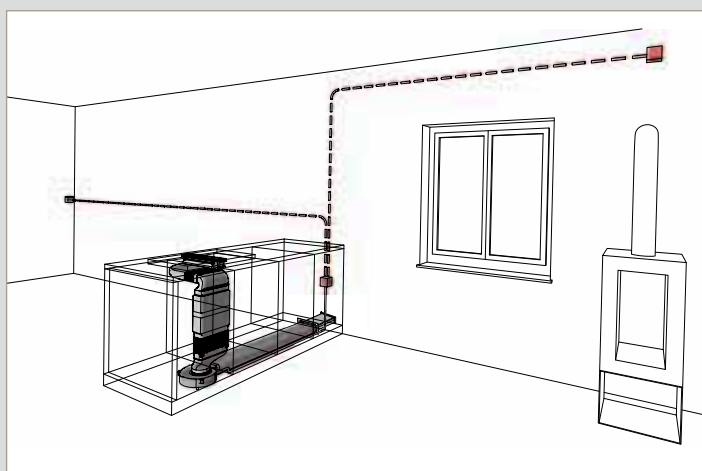
Simultaneous exhaust mode with flues/fireplaces: Window contact switch | Low-pressure monitors



Window contact switch*

A window contact switch enables you to ensure a sufficient supply of fresh air into the kitchen. A wireless solenoid switch (= transmitter) is attached to a window in the kitchen. To prevent negative pressure in the room, the vapour extraction system can only be operated if the window is open.

When selecting the window contact switch, please ensure that the product has the necessary permissions. Window contact switches are suitable for BORA Professional, BORA Classic and BORA Basic.



Low-pressure monitor*

This monitors the pressure difference between a room with a flue/fireplace that depends on the air in the room and the outside pressure. An air hose is laid from the monitor to the room in which the flue/fireplace is installed. Another hose leads to the exterior of the building. The device compares the air pressure conditions and turns on the vapour extraction system if the permitted pressure difference is exceeded.

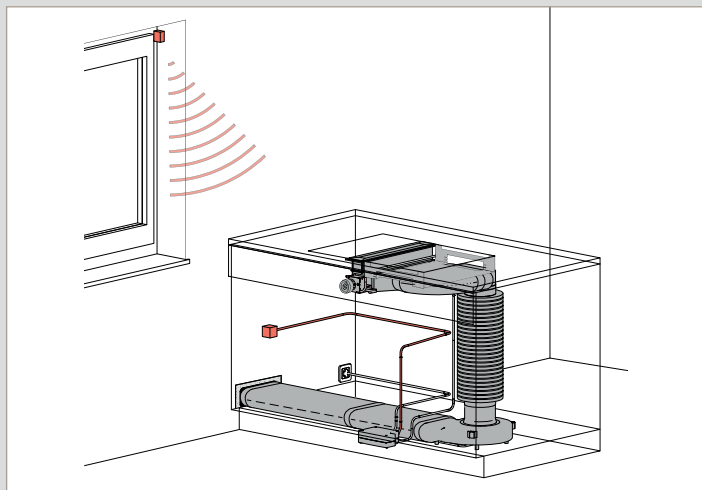
When selecting the low-pressure monitor, please ensure that the product has the necessary permissions. Low-pressure monitors are suitable for BORA Professional, BORA Classic and BORA Basic.

If an exhaust system is installed and operated, this suctions the room air outside and creates negative pressure in the building. If a flue/fireplace that depends on the air in the room is in the direct vicinity, safe burning must be ensured. If the pressure conditions become distorted, insufficient burning occurs. Nitrogen oxide collects in the room, which may pose a risk to animals and people. The maximum permitted pressure difference is -4 Pascal, which may be exceeded during operation for a maximum of 190 seconds. This problem can be resolved with a window contact switch or a low-pressure monitor.

* Please note: a local heating engineer must give an expert opinion on whether it is permissible to simultaneously operate a flue/fireplace that is dependent on room air and a vapour extraction system and approve this use. Kitchen exhaust vapours must not be fed into a flue duct or chimney. If a flue duct or chimney is no longer in operation, you must obtain the approval of a local heating engineer before using this for kitchen exhaust vapours.

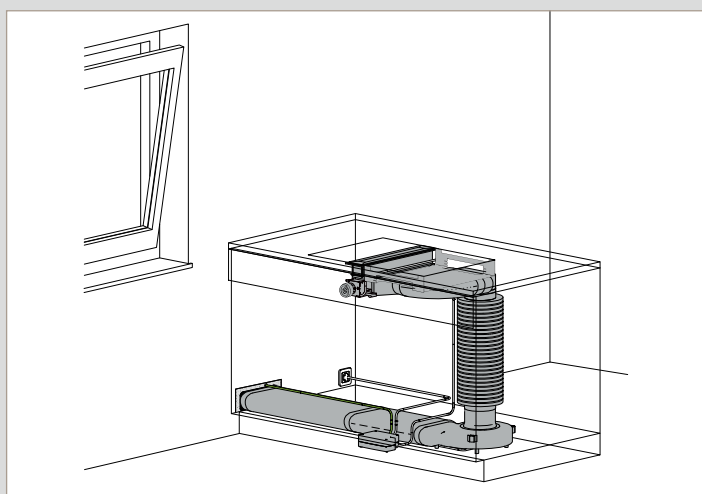
External switch contacts

Interface for external devices: Home In | Home Out



Home In

The 'Home In' contact can be used for external safety devices, e.g. window contact switches or low-pressure monitors. These switch off the cooktop extractor if the window is closed or negative pressure is detected in the room. The cooktop extractor only works if the contact is closed. This ensures safety at all times – even if no-one is in the room.



Home Out

The 'Home Out' contact is the interface that can be used to switch external devices on and off at the same time as the cooktop extractor. These can include, e.g. electrically opening wall sleeves, ventilation technology, home control systems and other devices. The potential-free contact can be used extremely flexibly as a switch for the broadest range of devices and systems. This makes it easy to meet individual customer requirements.

The PKA/PKAS and CKASE BORA cooktop extractors and BFIA/BFIU BORA Basic surface induction cooktops are equipped with interfaces for external devices. These Home In/Home Out interfaces make it possible to simply and conveniently connect external safety devices and systems without additional effort. Multiple kitchen and exhaust air technologies can therefore be easily controlled.

Safety clearances

Minimum clearance of 300 mm from the worktop cut-out to an adjacent kitchen unit or unit wall.

1. Minimum clearance of 300 mm from the left and right of the worktop cut-out to the adjacent kitchen unit or wall.
2. Minimum clearance of 50 mm at the back from of the worktop cut-out to the rear edge of the worktop (70 mm for PKC32, PKC3B and PKCH2 Professional cooktops installed rotated by 180°).
3. Minimum clearance of 600 mm between the worktop and the wall unit (650 mm for gas cooktops).



List of abbreviations

A	Ampere	kg	Kilogramme	mbar	Millibar	pcs.	Pieces
°C	Degrees Celsius	kW	Kilowatt	mm	Millimetre	U value	Thermal transmission
cm	Centimetre	L	Phase	N	Neutral conductor	coefficient
dB	Sound pressure level	L'	Switched phase	Pa	Pascal	V	Volt
Ø	Diameter	max.	Maximum	PE	Protective conductor	V0	Fire protection class
h	Hour	min.	Minimum	R	Radius	W.....	Watt
Hz	Hertz	m	Metre	s	Second		

(D)

BORA Lüftungstechnik GmbH
Rosenheimer Straße 32
83064 Raubling
Tel.: +49 (0)8035/907-240
Fax: +49 (0)8035/907-249
E-mail: info@bora.com

(A)

BORA Vertriebs GmbH & Co KG
Prof.-Dr.-Anton-Kathrein-Str. 3
6342 Niederndorf
Tel: +43 (0)5373/62250-0
Fax: +43 (0)5373/62250-90
E-mail: mail@bora.com

(CH)

**General import for all
BORA systems**
Suter Inox AG
Schachenstraße 20
5116 Schinznach-Bad
Tel: +41 (0)56 463 63 33
E-mail: BORA@suter.ch

(INT)

BORA Holding GmbH
Prof.-Anton-Kathrein-Straße 3
6342 Niederndorf
Austria
Tel: +43 (0)5373/62250-0
Fax: +43 (0)5373/62250-90
E-mail: mail@bora.com

www.bora.com

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