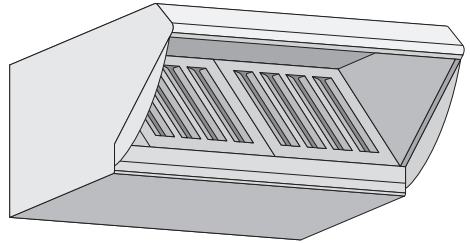


3.3 RATIONAL exhaust hoods

As optional extras RATIONAL supplies unit hoods without external exhaust air (UltraVent) and with external exhaust air (exhaust hood).



UltraVent exhaust hood with condensation system

The condensation technology in UltraVent absorbs and dissipates steam. There is no need for complicated and expensive installations to remove exhaust air. Installation is simple and it can be retrofitted at any time. There is no need for a connection to the outside.

UltraVent Plus condensation hood with smoke filter

In addition to the UltraVent condensation technology there is also UltraVent Plus, which is equipped with special filters. This prevents both vapours and the lingering smoke that builds up while grilling and roasting. RATIONAL units can be installed even in critical locations, such as shop-front areas.

- > Easy to install and retrofit.
- > Electrical connection: 1 NAC 230 V.
- > Power rating 450 W.
- > Extraction rating max. 900 m³/h.
- > Noise level: Stage 1: 65 dBA, stage 2: 70 dBA
- > UltraVent is not ducted to a ventilation and air conditioning system. As UltraVent does not form part of the ventilation system, it is not covered by the provisions of VDI 2052.
- > Due to the condensation effect of UltraVent the exhaust air requirement can be reduced by 27 m³/h per kilowatt of rated consumption.
- > Relative exhaust humidity is reduced to between 37 % RH and 40 % RH, hence it is below ambient humidity. This means that UltraVent dries the ambient air due to the lower humidity and the somewhat higher exhaust temperature.
- > The UltraVent exhaust hood with condensation system should only be used on units with right-hinging doors. It may be used on left-hinging units, but this restricts the extraction function.

Warning:

Gas units: The waste combustion gases must be routed into a chimney or a separate ventilation hood. The local norms and specifications for air conditioning systems must be observed.

3.3 RATIONAL exhaust hoods

UltraVent appliance sizes

	XS 6 ⅔ 6x2/3 GN	Typ 61 6x1/1 GN	Typ 62 6x2/1 GN	Typ 101 10x1/1 GN	Typ 102 10x2/1 GN	Typ 201 20x1/1 GN	Typ 202 20x2/1 GN
Electric	X	X	X	X	X	X	X
Gas	–	X	–	X	–	–	–
Combi-Duo Electric	X	X	–	X	–	–	–

UltraVent® Plus appliance sizes

	XS 6 ⅔ 6x2/3 GN	Typ 61 6x1/1 GN	Typ 62 6x2/1 GN	Typ 101 10x1/1 GN	Typ 102 10x2/1 GN	Typ 201 20x1/1 GN	Typ 202 20x2/1 GN
Electric	–	X	X	X	X	X	–
Combi-Duo Electric	–	X	–	X	–	–	–

UltraVent and UltraVent Plus connection diagrams – see connection diagrams.

Exhaust hood

- > Vapour is drawn off and led outside or to an exhaust air system via a vent pipe.
- > Easy to install and retrofit.
- > Electrical connection: 1 NAC 230 V.
- > Power rating 450 W.
- > Extraction rating max. 1000 m³/h.
- > Noise level: Stage 1: 65 dBA, Stage 2: 70 dBA
- > Blowing out pressure level 1 approx. 80 Pascal, level 2 approx. 300 Pascal
- > The exhaust hood should only be used on units with right-hinging doors. It may be used on left-hinging units, but this restricts the extraction function.

Exhaust hood appliance sizes

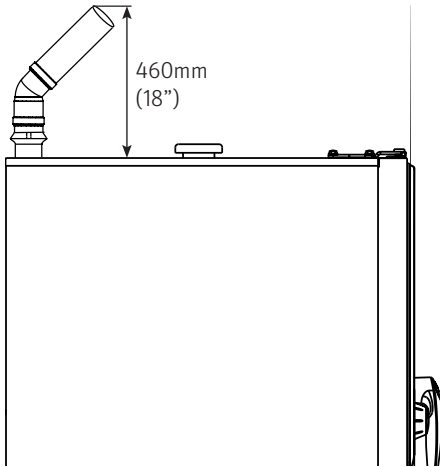
	XS 6 ⅔ 6x2/3 GN	Typ 61 6x1/1 GN	Typ 62 6x2/1 GN	Typ 101 10x1/1 GN	Typ 102 10x2/1 GN	Typ 201 20x1/1 GN	Typ 202 20x2/1 GN
Electric	–	X	X	X	X	–	–
Gas	–	X	–	X	–	–	–
Combi-Duo Electric	–	X	–	X	–	–	–

Exhaust hood connection diagrams - see connection diagrams.

Warning:

Gas units: The waste combustion gases must be routed into a chimney or a separate ventilation hood. The local norms and specifications for air conditioning systems must be observed.

3.4 Condensation breaker



By installing the condensation breaker together with the enclosed pipes it is possible to guide the steam to an uncritical area or to the suction area of a suction system (e.g.vent ceiling)

The kits contain the following:
 Condensation breaker (depends on unit size)
 Elbow DN75 with 45° angle (stainless steel)
 Pipe DN75, 250 mm long (stainless steel)

XS 6 ⅔ 6x2/3 GN			N°: 60.74.037
Typ 61 6x1/1 GN	Typ 101 10x1/1 GN	Typ 62 6x2/1 GN	N°: 60.72.591
Typ 102 10x2/1 GN			N°: 60.72.592
Typ 201 20x1/1 GN	Typ 202 20x2/1 GN		N°: 60.72.593

4 Unit approvals

All units have been tested and approved by authorised Test Centres.

Declaration of conformity: CE

Electrical safety: VDE, CE, UL, CUL, KEMA, GOST

Electromagnetic compatibility: VDE/EMV

Gas approval: GASTEC QA, AGA, DVGW, CSA, JIA, PCT

Drinking water protection: DVGW, SVGW, KIWA, WRSA

Hygiene: NSF

Mechanical safety – accident prevention: VDE, Geprüfte Sicherheit (GS)

Splash- and hose-proof: IPX 5

Marine version: Germanischer Lloyd

NB: All units are VDE-approved for unsupervised operation (night cooking, overnight cleaning).