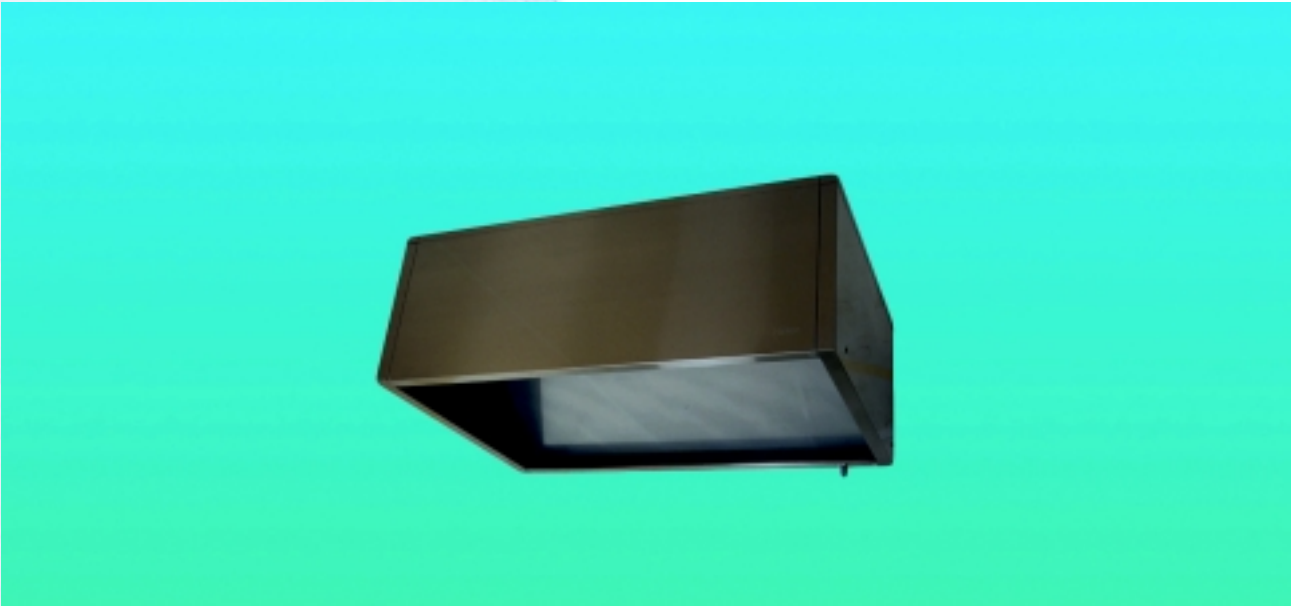


KVV – Condense Canopy



The KVV steam extract canopy has been especially adapted to capture, condense and remove steam produced by industrial dishwashers, cooking pots or where grease filtration is not the main requirement.

- Condensation is achieved by the use of angled internal baffles and deflectors.
- Efficient exhaust is maintained by using lateral side slots combined with the large internal volume.
- Modular construction, simplifies design and installation.
- Adjustment and measurement of airflow using the T.A.B.™ measuring tap in combination with damper plate within the extract spigot(s).
- Manufactured from polished stainless steel AISI 304.
- Surface mounted light fittings are available as an accessory.

QUICK DATA

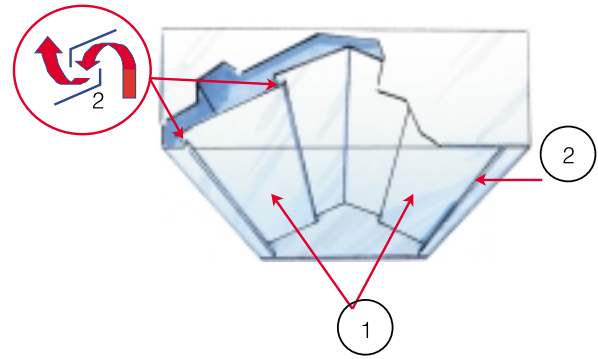
KVV/1

	Recommended Exhaust air volumes	
L	l/s	m ³ /h
1000	305	1100
1500	445	1600
2000	610	2200
2500	805	2900

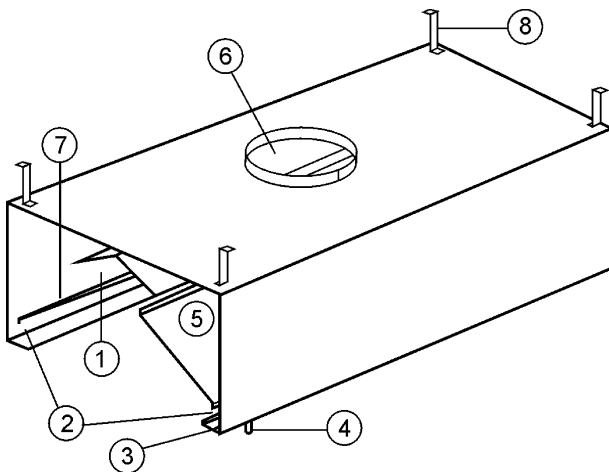
The recommended exhaust air volumes shown above provide the optimum velocity required through the slots.
LpA < 45 dB(A)

FUNCTION

The KVV canopy has been specially developed to cover equipment that produces steam and its internal volume enables the removal of large volumes of air, which are then extracted via the upper baffle chicane (1). Two lateral side slots (2) help to prevent the condensing water from dripping on to the work surfaces below.



CONSTRUCTION



- 1 Upper baffle chicane
- 2 Lateral slots
- 3 Outer casing / condense channel
- 4 Grease collection vessel or drain tap
- 5 Interior baffles
- 6 Exhaust air connection and damper plate
- 7 Measurement tap – T.A.B.™
- 8 Hanging brackets

The outer casing (3) is in easy to clean stainless steel AISI 304. The plenum roof, connection spigots and control damper are manufactured from galvanized steel, but can be supplied from stainless steel (AISI 304) as an optional extra.

All lower joints of the canopy are fully welded and polished which ensures water tightness. KVV is equipped with a draining tap (4) for removal of any collected condensate.

The interior baffles (5) are removable to allow access and cleaning of the inside exhaust plenum. Adjustment and measurement of the extract airflow is carried out using the adjustable damper plate (6) located within the extract spigot(s) and the measurement tap T.A.B.™ (7).

A surface mounted light fixture can be supplied as an optional extra.

DIMENSIONS

Length	1000...2500
Width	1000...1500
Height	555, 400

Contact your local Halton office or representative for special requirements.

ACCESSORIES - Refer to ACCESSORIES section

- Cover Boards – where canopies are below ceiling level
- Infill Panels
- Surface mounted light – IP65 (maxi. ambient T°: 35°C)
- Non-standard spigots sizes and position
- Exhaust roof in stainless steel

DIMENSIONS (mm)

KVV / KVS – 1- Wall model

L	1000.....2500
B	1000.....1500
H	555, 400
D	315
A	B/2

Note: dimensions above are for modular section only; larger canopies are assembled using a combination of separate modules, which makes transportation and site handling easier.

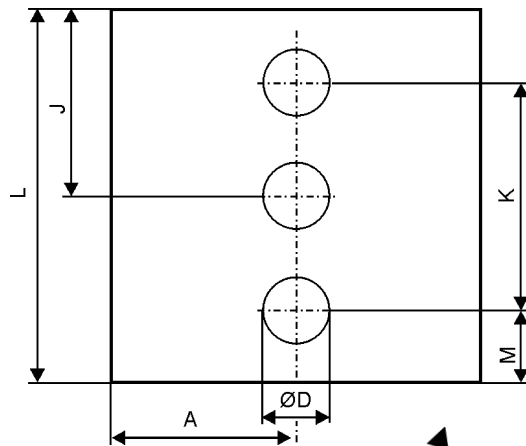
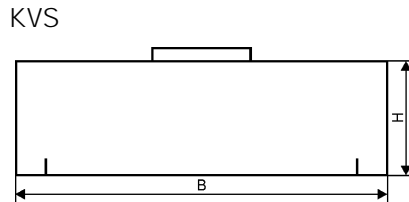
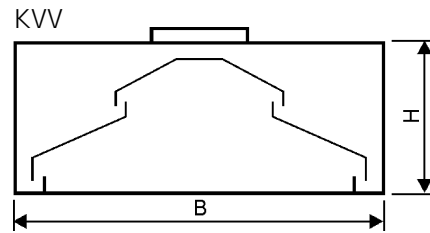
Location of Connections (mm)

For typical sizes

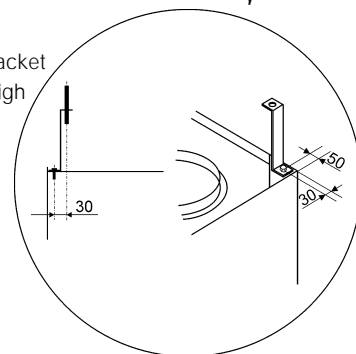
		Exhaust	
		2x315	1x315
L	M	K	J
1000	-	-	L/2
1500	375	750	L/2
2000	500	1000	L/2
2500	500	1500	L/2

Weights (Kg)

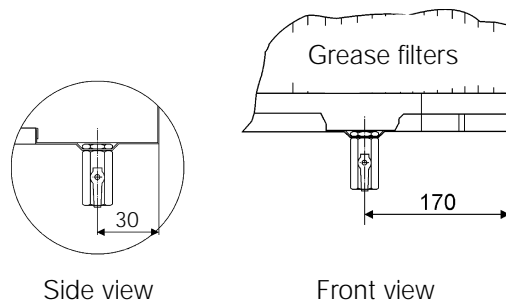
400 mm				
L/B	1000	1100	1300	1500
1000	43	47	50	54
1500	54	57	60	64
2000	69	72	76	81
2500	80	83	87	93
555 mm				
L/B	1000	1100	1300	1500
1000	49	53	56	59
1500	61	63	66	69
2000	75	79	84	88
2500	86	91	97	101



Mounting bracket
150 mm high



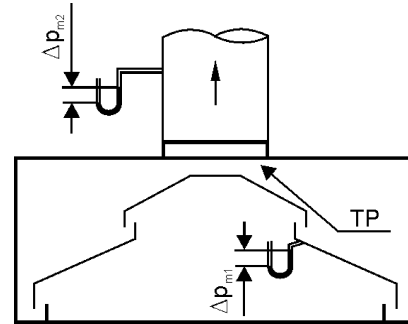
Position of Drain Tap, when fitted



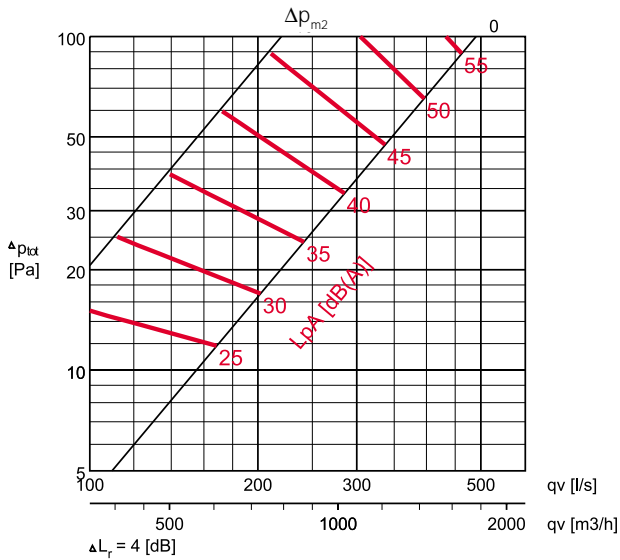
PRESSURE DROP AND SOUND DATA , EXHAUST

H= 555 / 400

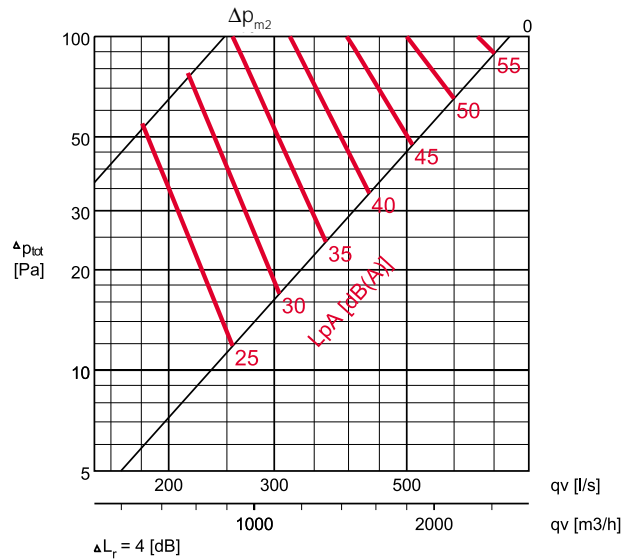
- 0 = Δp_{m1} = Pressure loss measured from measuring tap, minimum exhaust pressure loss when the damper plate is open
- Δp_{m2} = Maximum exhaust pressure loss when the damper plate is nearly closed
- TP = Damper plate



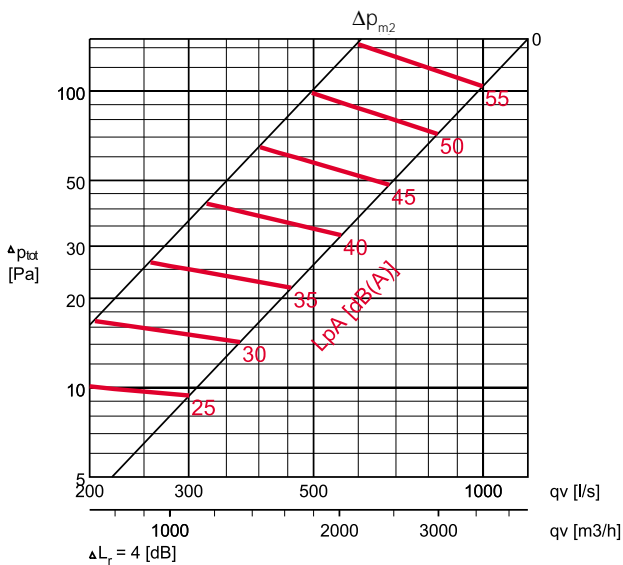
KVV 1000



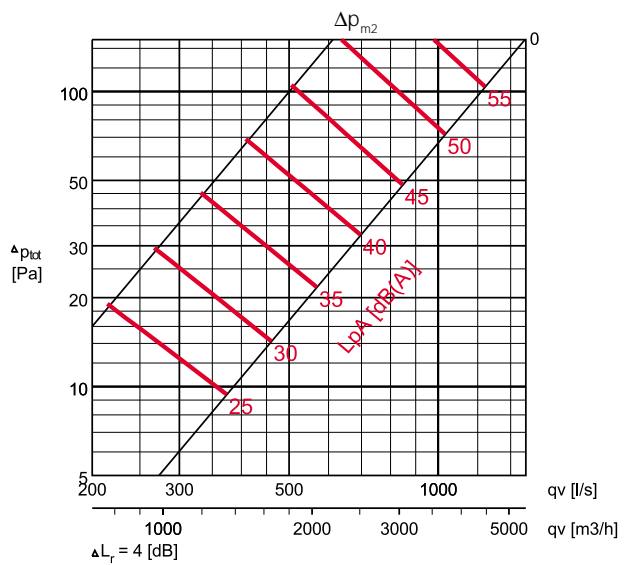
KVV1500



KVV 2000



KVV 2500



SPECIFICATION

General: The manufacture of all Halton kitchen canopies is controlled by an ISO9000 registered quality system, constructed from stainless steel to material specification AISI 304.

The kitchen canopies shall be supplied complete with outer casing/main body, pressure measurement taps, extract air spigot connections with damper plates, adjustable baffle plates, condensate channel, drain tap or collection tray and hanging brackets.

Outer casing/Main body: Outer casing panels shall be constructed of stainless steel to AISI 304 in brushed satin finish. Each joint shall be spot-welded, riveted or machine stitched. The canopy shall be provided with a full perimeter condense channel and crush folded sloping edges, which are properly deburred. The joint of lower edge are fully welded, avoiding harmful dripping of water.

The plenum roof panels shall be constructed of galvanized sheet steel.

Pressure Measurement Taps: The pressure measurement taps shall be located on the inside of the canopy.

Condensate Channels: Condensate channels shall

form part of the main construction of the canopy and run the entire length of the canopy and on both sides.

Baffle plates: Condensation is achieved by the use of angled internal baffles and deflectors
Efficient exhaust is maintained by using lateral side slots combined with the large internal volume
The baffle plates shall be movable to allow access to the underside of the canopy roof.

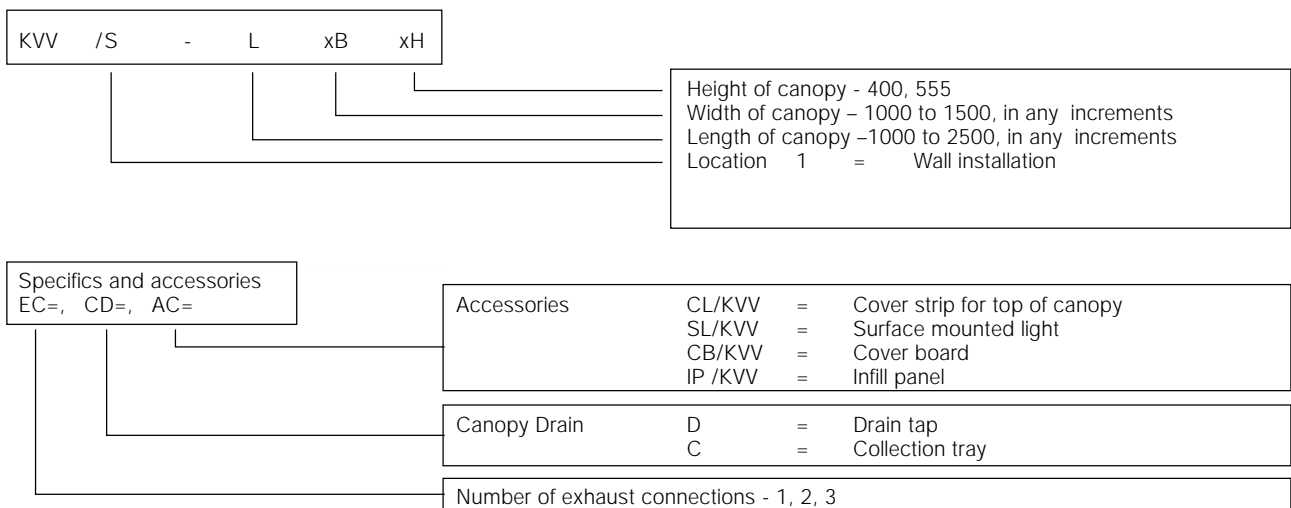
Spigot Connections: The spigot connections for extract air shall be constructed from galvanized steel and shall be supplied with a sealing gasket and air flow balancing damper plate manufactured from galvanized steel.

The exhaust damper shall be adjustable and access to it is via high tensile stranded wire cables.

Bulkhead light fixture (optional): Each canopy can be provided with surface light fixture to provide approximately 500 lux at the cooking appliances work surface. The light fixture shall be suitable for single-phase 230v supply and shall be constructed to protection standard IP65.

3x1 mm², core electrical cable connecting the light fitting to the conduit box containing multiple connectors shall be provided.

PRODUCT CODE



EXAMPLE
 KVV/1 - 1500x1100x400; EC=2; KVV/1 - 1500x1100x400; AC=SL; CD=C

INSTALLATION

Refer to 'Installation - Commissioning- Maintenance' manual

