

Low impulse units for wall assembly

- **Modular system to suit hygiene requirements**
- **Made in stainless steel**
- **Easy to clean**
- **Minimum of dirt traps**

HM terminals can be wall-mounted or free standing; they are used for displacement ventilation in applications with strict hygiene requirements. The HM terminals consist of a series of modules to be assembled to the required level of hygiene.

Design

The HM terminals are constructed in a modular format which comprises a front panel, plenum box and sloping top.

The Front panel consists of perforated sheet steel attached to a rigid frame. An air distribution plate with nozzles is also screwed or hinged to the frame for ease of access. Drainage holes are located at the bottom of the frame to prevent dirt accumulation. The front is fitted to a plenum on-site or delivered pre-assembled with a plenum box.

The plenum boxes are rectangular in shape and have a 25mm drainage hole on the bottom panel. The front panel is assembled with hinges and toggle latches for ease of access.

The sloping top lid is available as a separate module, to help minimize dirt collection on the top of the plenum box.

The units have fully welded corners and a minimum of flanges or edges for ease of cleaning.

As accessory the units are supplied with a leg support.

Material

Stainless steel

Standard quality: EN 1.4301 (AISI 304) visible surface brushed, not visible 2B finish

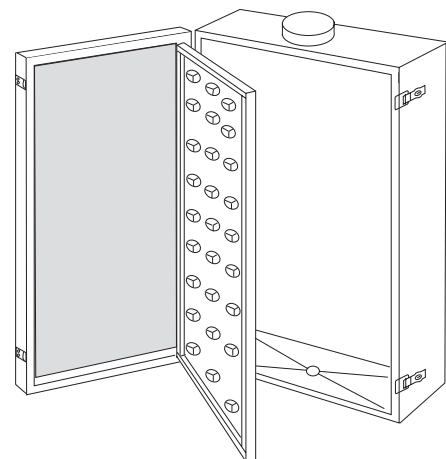
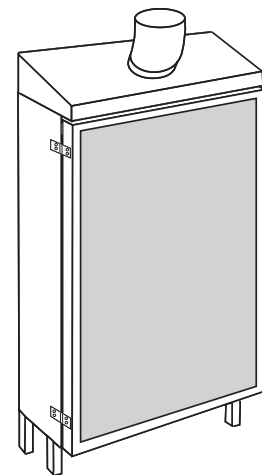
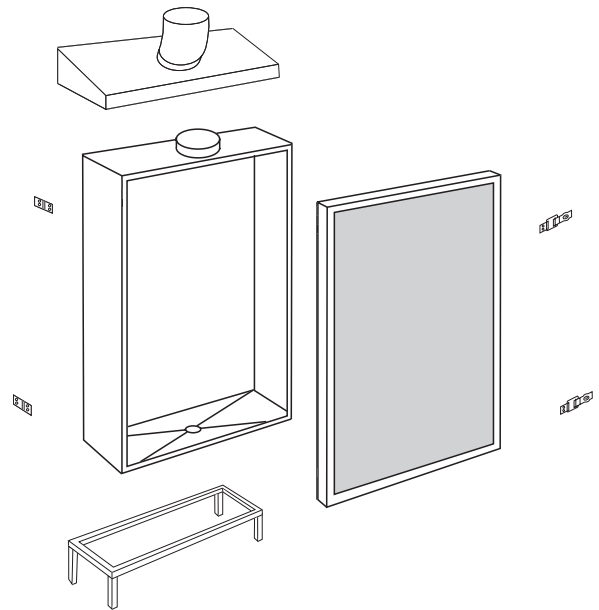
On request EN 1.4436 (AISI 316)

Standard thickness front: 1mm

Specials

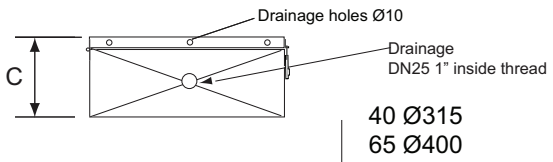
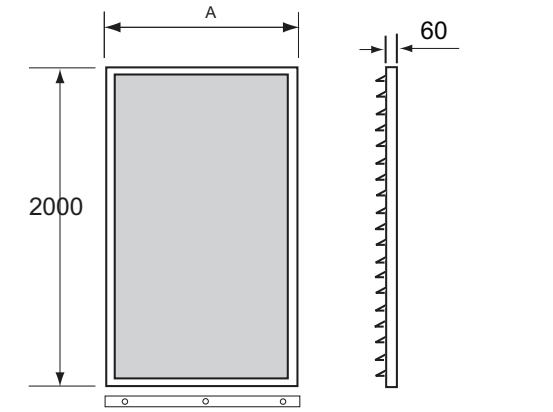
Other sizes and stainless steel qualities

Reinforced front

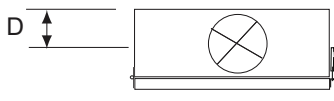
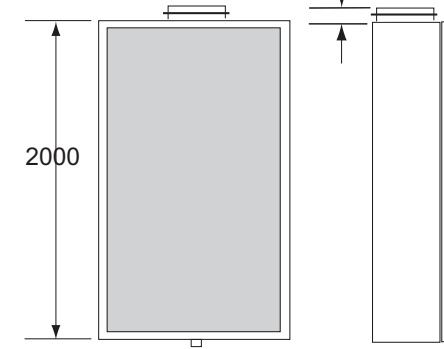


Dimensions and weights

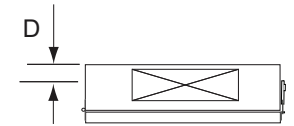
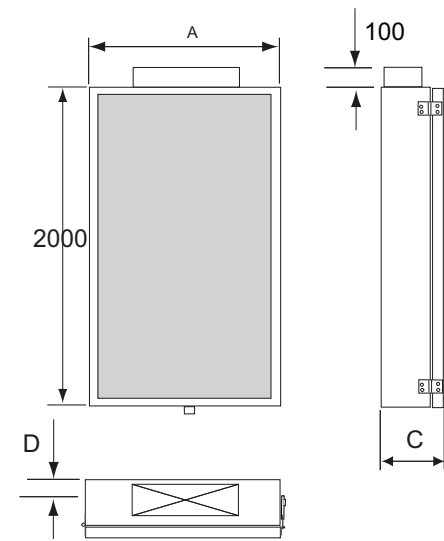
HMO	A	B	kg
20-06	600	2000	23
20-08	800	2000	31
20-10	1000	2000	38
20-12	1200	2000	45



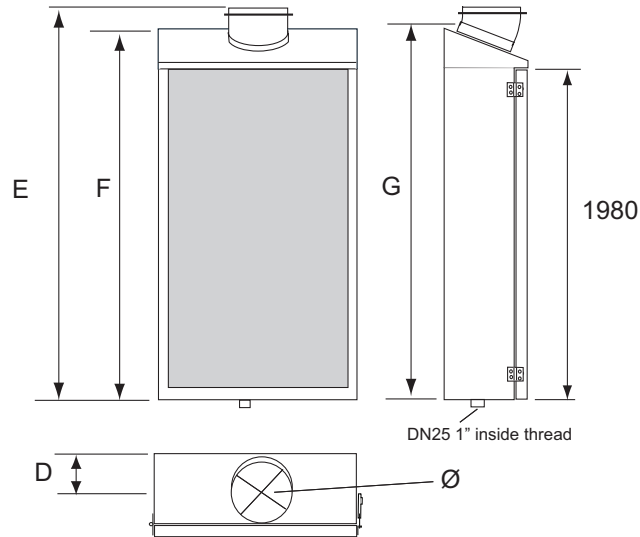
HMC	A	B	C	D	Ø	kg
20-06	600	2000	420	178	315	48
20-08	800	2000	420	178	315	59
20-10	1000	2000	500	220	400	70
20-12	1200	2000	500	220	400	82



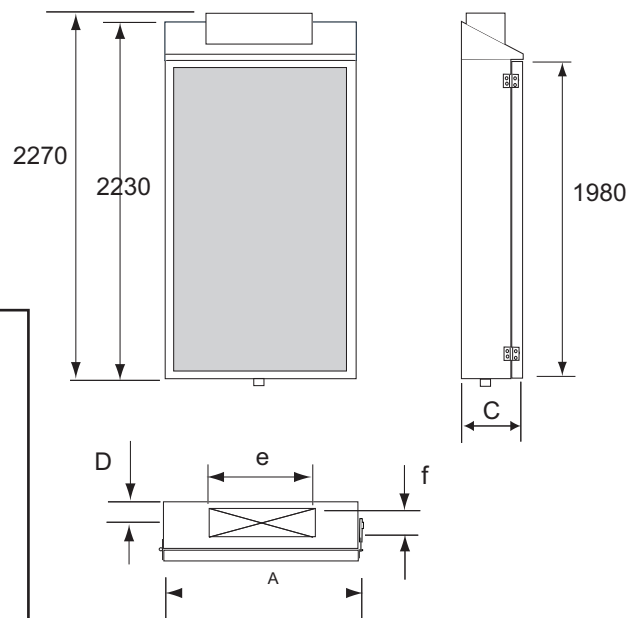
HMR	A	B	C	D	e	f	kg
20-06	600	2000	250	95	500	150	44
20-08	800	2000	300	120	600	200	55
20-10	1000	2000	300	120	800	200	66
20-12	1200	2000	350	145	800	250	80



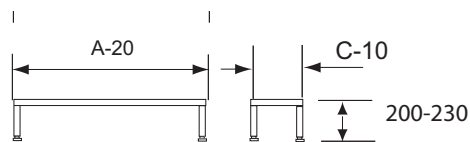
HMC/S	A	C	D	E	F	G	Ø	kg
20-06	600	420	178	2372	2227	2257	315	49
20-08	800	420	178	2372	2227	2257	315	61
20-10	1000	500	220	2487	2271	2317	400	76
20-12	1200	500	220	2487	2271	2317	400	89



HMR/S	A	C	D	e	f	kg
20-06	600	250	95	500	150	45
20-08	800	300	120	600	200	60
20-10	1000	300	120	800	200	73
20-12	1200	350	145	800	250	88



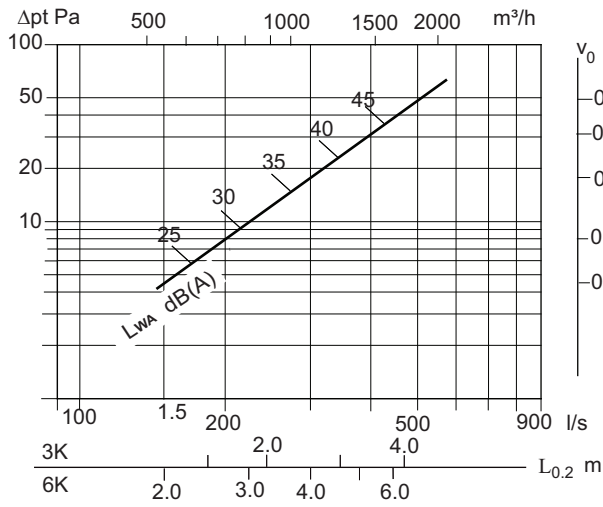
Accessory



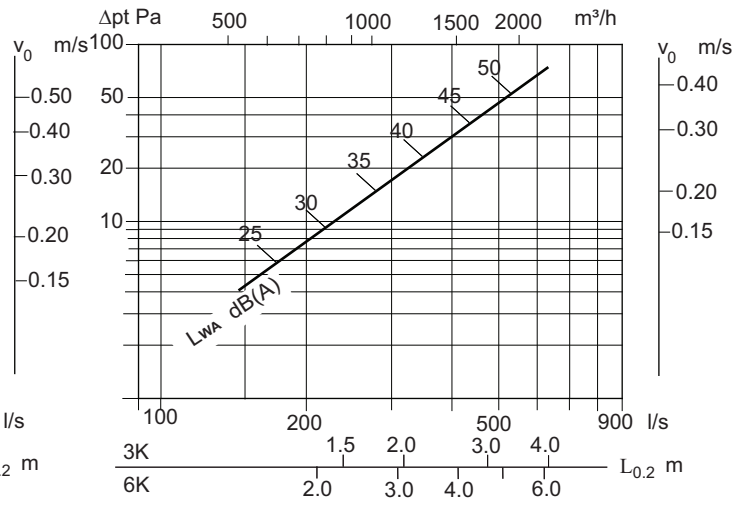
Leg support

Technical Data

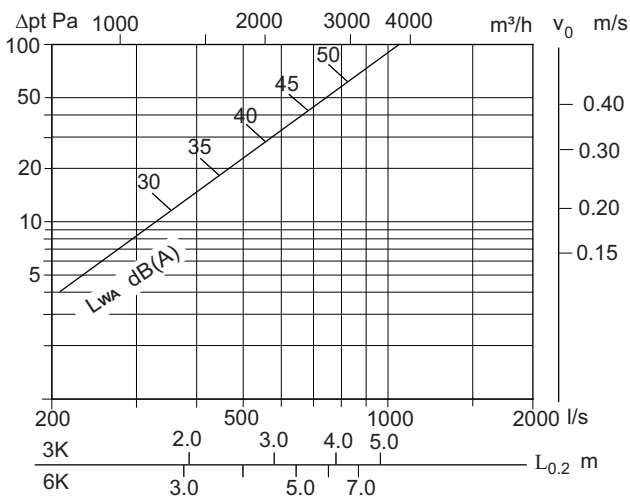
HMC 20-06 Ø315



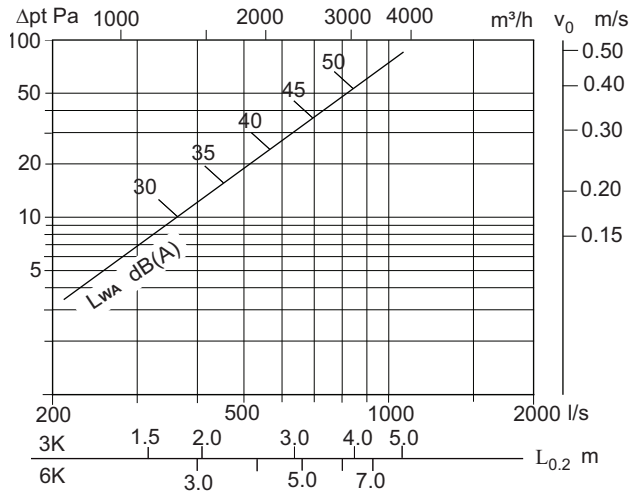
HMC 20-08 Ø315



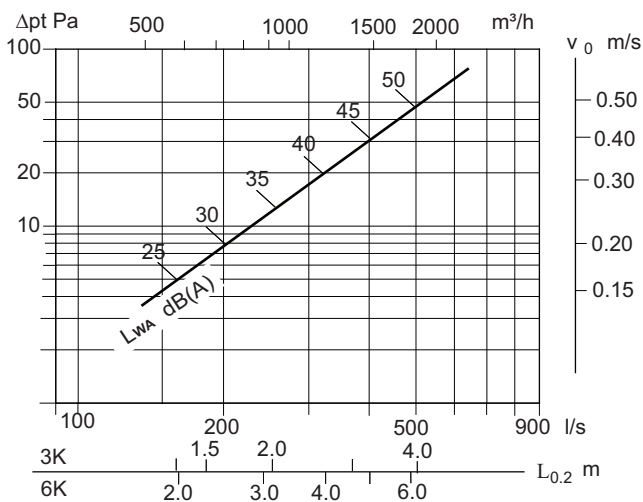
HMC 20-10 Ø400



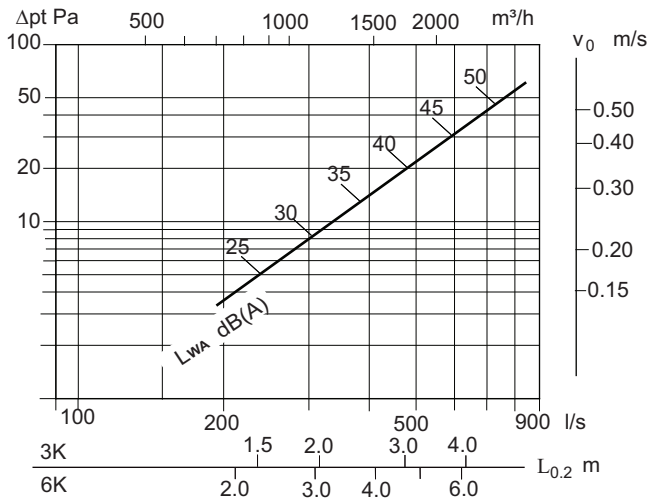
HMC 20-12 Ø400



HMR 20-06 500x150

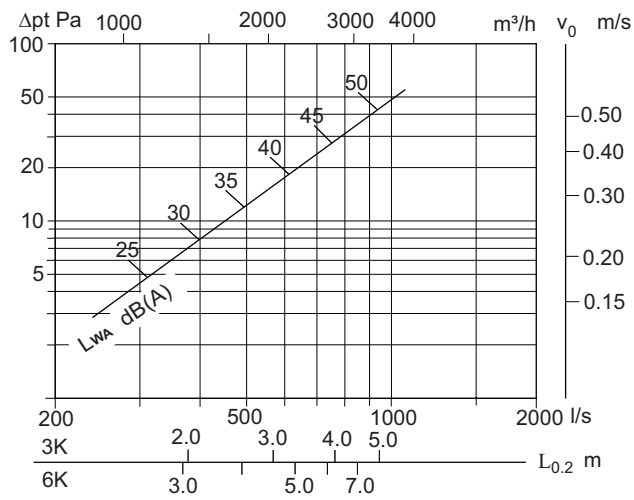


HMR 20-08 600x200

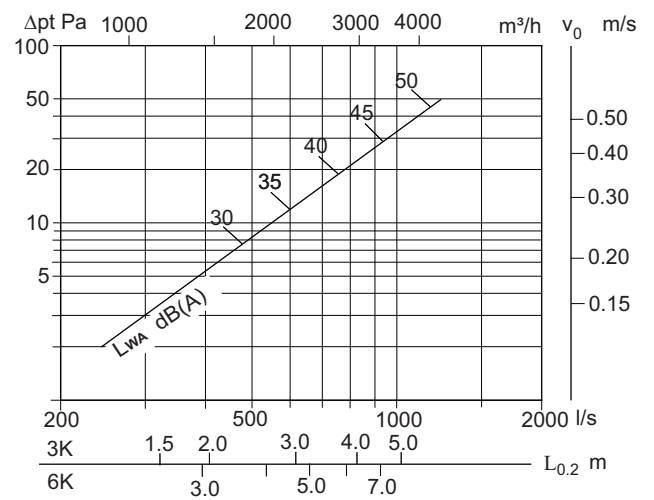




HMR 20-10 800x200



HMR 20-12 800x250

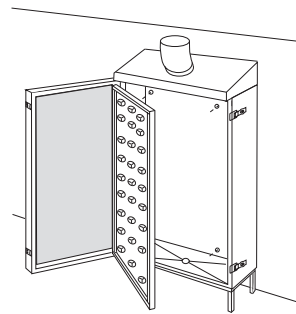
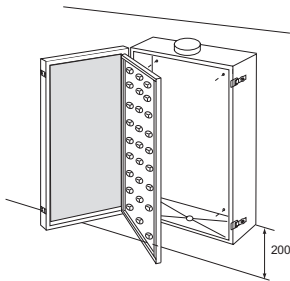
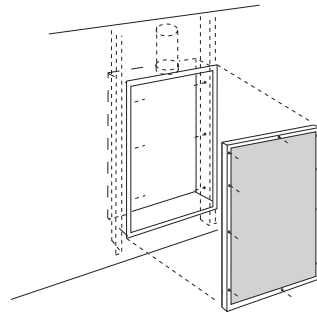


Assembly

The HMO is designed to be mounted flush to a wall. The plenum box (supplied by others) is recessed into the wall and screwed to wooden battens or similar. The HMO unit is screwed to the plenum box. Depending on application, the plenum box can be made of stainless steel or galvanized sheet steel.

The HMC/HMR are designed to be wall-mounted, unless support legs are used, we recommend that the unit is fixed approx. 200mm above floor level.

Fix the unit to the wall through the back plate



Adjustment

Altering the air flow is carried out via an external adjusting damper.

Maintenance

There are no parts in the unit that have to be replaced.

The HMO unit is cleaned by removing it from the plenum box.,

Use mild detergent solution and flush the HMO with water.

HMC/HMR can be opened using the toggle latches. Plenum box, front and nozzle plate are cleaned with a mild detergent solution and flushed through with water.

Description

BEMAIR low velocity unit type hygiene HMO.
All parts made in stainless steel EN 1.4301 visible surfaces brushed, not visible 2B finish .
Width.....mm Heightmm
Consisting of solid frame with screwed alt. hinged distribution plate with nozzles and a fixed assembled perforated front plate of sheet steel . Depth of frame 60 mm.
Drainage holes in bottom of frame.

HMC, HMR (above and as follows:)
Plenum box with connection Ø alt. exf. Total depth with assembled frame C . Drainage DN25 in bottom of plenum box. Frame fixed to plenum box with hinges and toggle latches

HMC/S, HMR/S (above and as follows)
Sloping top assembled to plenum box. Total height of unit 2250 alt. F.