



# HETTICH BENELUX MULTI PURPOSE CABINETS

- Unique air circulation system
- Small footprint
- Customization
- Minimum dehydration
- Low energy consumption & noise level
- Easily accessible



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Hettich Benelux has invested years in developing the best possible specifications for the models in our product range 'Multi Purpose Cabinets'. Due to this investment a range of products has been developed with unique properties including:

- Very low noise level.
- Reduced energy consumption.
- Homogeneous temperature inside the total cabinet.
- Unique air circulation system.
- Very good ratio work area/floor space.

The Multi Purpose Cabinets (MPC) models can be delivered as: incubator, cooled incubator, refrigerator or freezer. By adding the optional humidification system a climate cabinet can be produced.

Hettich Benelux has developed the "Vertical Air Circulation" system over many years. It guarantees minimal dehydration. Using this technique, we combine the advantages of natural convection and forced ventilation. Ventilators are placed outside the work area creating a very low air flow inside the chamber. This creates an homogeneous temperature profile throughout the chamber. This is maintained mainly by heat radiation preventing 'hot spots'.

By using this design we created a maximum usable validated work area. The temperature, humidity and CO<sub>2</sub> accuracy and homogeneity are measured and comply with the DIN 12880:2007-5 guide line (except the F- series models).

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Your advantages with the MPC models:

- Easy to clean due to the stainless steel interior with rounded corners and smooth surface.
- Energy efficient due to energy neutral zones.
- Minimal dehydration by using an optimal air circulation system.
- All models can be combined in a wall with panels between cabinets and ceiling.
- All models can be adjusted to customers specific demands.
- Minimal floor space with maximum loading level.
- Visible alarm by means of green/red light LED line on the control panel.
- Microprocessor control system.
- Inner chamber fully validated for temperature and humidity so maximum area available for product testing.
- No extra space is needed when opening the door.
- The MPC cabinet has a self closing door (<90°) and is well sealed by use of a magnetic door seal.
- Easy to combine with our SYCL Temperature Registration System.



MPC 600



MPC 1400



MPC 225/225



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## MULTI PURPOSE CABINETS

### FACTS & FIGURES

	MPC 600	MPC 1400	MPC 225/2225
Exterior dimensions w x d x h*	710 x 885 x 2010 mm	1420 x 885 x 2010 mm	710 x 885 x 2010 mm
Exterior dimensions F-series	710 x 980 x 2031 mm	1420 x 980 x 2031 mm	n.a.
Internal volume	566 liters	1250 liters	2x 250 liters
Exterior	white RAL 9016	white RAL 9016	white RAL 9016
Interior	stainless steel white coated	stainless steel white coated	stainless steel white coated
Number of shelves	4	8	4
Digital controller	1	1	2
CO <sub>2</sub> control, digitally adjustable 0 - 10%	art. no. 1000.9001		
7x 24h clock for switching to 2nd temp.	art. no. 1000.9002		
24h clock for switching to second temp.	art. no. 1000.9003		
Upward humidity control up to 90%	art. no. 1000.9004		
Stainless steel shelf for shaking device	art. no. 1000.9005		
Wire grid shelf incl. stainless steel guide rails	art. no. 1000.9006		
Stainless steel 304 drawer 35mm high, 100% extendable guide rails	art. no. 1000.9007		
Stainless steel 304 drawer 100 mm high, 100% extendable guide rails	art. no. 1000.9008		
Stainless steel 304 drawer 150 mm high, 100% extendable guide rails	art. no. 1000.9009		
Extra stainless steel perforated shelf incl. guide rails	art. no. 1000.9010		
Extra standard stainless steel shelf incl. guide rails	art. no. 1000.9011		
Additional PT100 temperature sensor	art. no. 1000.9013		
Console without drawer, RAL 9016	art. no. 1000.9014		
Console with drawer, RAL 9016	art. no. 1000.9015		
Glass (thermopane) door	art. no. 1000.9019	art. no. 1000.9020	art. no. 1000.9018
Feed through/transit port**	art. no. 1000.9021 (available in different sizes)		
Build in socket switchable from dashboard	art. no. 1000.9022		
Acoustic door open or limit value alarm	art. no. 1000.9023		
Wheelset incl. levelling feet	art. no. 1000.9024		
Doors left hinged	art. no. 1000.9025	n.a.	art. no. 1000.9025
IQ/OQ documents	art. no. 1000.9026		
IQ/OQ documents and FAT	art. no. 1000.9027		
FAN control with stainless steel air conductor to prevent dehydration	art. no. 1000.9028		
Comply with DIN 12880***	√	√	√

\* Without door handle    \*\* If different location/size than the standard is needed    \*\*\* except the F-series & the types with glass door

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## MULTI PURPOSE CABINETS

### FACTS & FIGURES

MPC Type	Temperature range*	Energy consumption kWh	Noise level dB(A)
MPC 600I	RT +8 °C to 65 °C	0,026 at 37 °C	≤ 41
MPC 600R	+4 °C to 65 °C	0,026 at 37 °C	≤ 44
MPC 600C	+4 °C to 15 °C	0,125 at 4 °C	≤ 41
MPC 600F	0 °C to -25 °C	0,364 at -25 °C	≤ 48
MPC 1400I	RT +8 °C to 65 °C	0,023 at 37 °C	≤ 41
MPC 1400R	+4 °C to 65 °C	0,023 at 37 °C	≤ 44
MPC 1400C	+4 °C to 15 °C	0,024 at 4 °C	≤ 41
MPC 1400F	0 °C to -25 °C	0,364 at -25 °C	≤ 48
MPC 225I	RT +8 °C to 65 °C	0,026 at 37 °C	≤ 48
MPC 225R	+4 °C to 65 °C	0,026 at 37 °C	≤ 48
MPC 225C	+4 °C to 15 °C	0,125 at 4 °C	≤ 48

I = Incubator, R = Cooling Incubator, C = Refrigerator, F = Freezer  
\* Other temperature ranges available upon request.



### APPLICATIONS

- Microbiological research.
- Stability testing.
- Short and long-term storage of materials.
- Aging studies.



## OTHER PRODUCT GROUPS:

ASPIRATION SYSTEMS  
AUTOCLAVE & STERILISERS  
CENTRIFUGES  
FLOW CABINETS  
HYPOTHERMIA CABINETS  
INCUBATORS & ACCESSORIES  
CLIMATE CABINETS & CHAMBERS  
REFRIGERATORS & FREEZERS  
MEDIA PREPARATORS  
MONITORING SYSTEM  
OIL & WATER BATHS  
OSMOMETERS & DAIRY EQUIPMENT  
OVENS  
PLANT GROWTH CABINETS  
LABORATORY GLASSWARE WASHERS  
PHARMACEUTICAL STABILITY CABINETS  
THERMOMIXERS, THERMOBLOCKS & SHAKERS  
VACUUM CONCENTRATORS  
FREEZE DRYING



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