



**SPECIFICATIONS**  
**PRC 1700 WL**

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### CABINET HOUSING AND SYSTEMS:

Hettich Benelux Article number	8730.1701
Cabinet size external D x W x H in mm	850 (incl. handle + air supply = + 85) x 2040 (incl. entry port = +30) x 2015 (incl. hinges = + 15)
Cabinet size internal D x W x H in mm	670 x 1310 x 1670
Internal volume in liters	1466
Internal construction	stainless steel 304, RAL 9016 coated
Exterior construction	galvanised steel, RAL 9016 coated
Number of doors	2
Floor space in m <sup>2</sup>	1,73
Wall isolation / thickness in mm	60
Castors	4 swivel castors with adjustable foot
Water drain at the back of the unit	stainless steel pipe, diam. 22 mm
Lockable door	optional
Transit port location and size in mm	in the sidewall, 52
Fresh air inlet	adjustable, in the back wall
Humidity system (optional)	ultrasonic
Humidity sensor (optional)	capacitive
CO <sub>2</sub> system (optional)	up to 10.000 ppm adjustable
Airflow system	horizontal, through the back pressure wal to the front

### SHELVES:

Maximum tiers of shelves	3, more shelves on request
Shelf size (W x D) in mm	1290 x 600
Growth area per shelf in m <sup>2</sup>	0,774
Max. total growth area in m <sup>2</sup> (3 shelves)	2,322
Adjustable height between shelves in mm	50
Shelf material	stainless steel 304
Max. load per shelf in kg	50
Number of trays per shelf with size: 60x40 cm	3

### LIGHT SYSTEM:

Light intensity (15 cm under source at 25 °C)	200, 400 or 1100 µmol
Light dimmable	between 10% and 100%
Light colour / spectrum	white, spectrum is 95% sunlight compatible

### COOLING SYSTEM:

Type of cooling system	water cooled condensor (air cooled optional)
Refrigerant	R134a
Refrigerant in kg	1,3
GWP-value	1430
CO <sub>2</sub> equivalent per 1000kg	1859

### SPECIFICATIONS:

Environmental temperature in °C	15 - 25
Temperature range lights on in °C	10 - 45
Temperature range lights off in °C	4 - 45
Temperature homogeneity lights on in °C	+/- 2
Temperature homogeneity lights off in °C	+/- 1
Temperature adjustable in °C	per 0,1
RH range lights on (optional)	35 - 80% ( +/- 5%) on temperature setting
RH range lights off (optional)	35 - 90% ( +/- 5%) on temperature setting
Airflow speed in m/s	< 0,2
Noise level in dB(A)	< 45

### ELECTRICAL AND SUPPLIES:

Cooling water connection (max. 12 °C)	= / > 1"
Deionised water supply for humidier (optional)	< 5 µS/cm, briefly up to 20µS/cm; 1/4" internal thread; 0,5 - 6 Bar
Electrical supply	400V, AC, 3 phases + neutral; 50/60Hz
Potential free alarm contact	at the back wall
Type controller	mTRON touch screen controller
LAN connection	web based interface, at the back wall, CAT 6

### TRANSPORT:

Unit weight (excluding shelves) in kg	+/- 430
Cabinet and wooden crate in kg	+/- 470
Dimensions transport crate D x W x H in mm	1130 x 2310 x 2350
Volume transport crate in m <sup>3</sup>	about 6,1