



CO<sub>2</sub>-cooled climate chamber ICHeco  
with TwinDISPLAY + AtmoCONTROL software

Model sizes: 110 / 260 / 750

ICHeco / ICH	with humidity control
ICHeco L / ICH L	with humidity control and light
ICH C	with humidity and CO <sub>2</sub> control

Temperature range with humidity

ICHeco / ICH	+10 °C to +60 °C
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ICHeco L / ICH L	+10 °C to +60 °C
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ICH C	+10 °C to +50 °C
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Humidity range	10 to 80 % rh
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Temperature range without humidity

ICHeco / ICH	-10 °C to +60 °C
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ICHeco L / ICH L	0 °C to +60 °C
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ICH C	+10 °C to +50 °C
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**CLIMATE CHAMBER ICHeco** These environmentally-friendly stability testing chambers operate with climate-friendly CO<sub>2</sub> (R744) as refrigerant. Powerful and climate-friendly at the same time, they are especially designed for testing pharmaceuticals according to ICH, Q1A and Q1B (option 2) as well as for testing the stability of cosmetics and foodstuffs. Temperature and humidity are distributed homogeneously and stable throughout the interior.



## Refrigerant CO<sub>2</sub> is climate-friendly

The decision for a CO<sub>2</sub>-cooled climate chamber ICHeco makes sense. The refrigerant CO<sub>2</sub> (R744) is almost climate-neutral in contrast to refrigerants with fluorinated greenhouse gases (e.g. R134a). Legal restrictions for use are therefore completely excluded in the future. R744 is neither flammable nor toxic and does not cause ozone depletion in the atmosphere.



## Refrigerant CO<sub>2</sub> ensures better cooling performance

An ICHeco is virtually maintenance-free and extremely powerful. Compared to appliances with refrigerant R134a, it scores with faster cooling-down times. The Memmert climate chambers ICH with refrigerant R134a will be available in parallel.



## All-round protection of samples

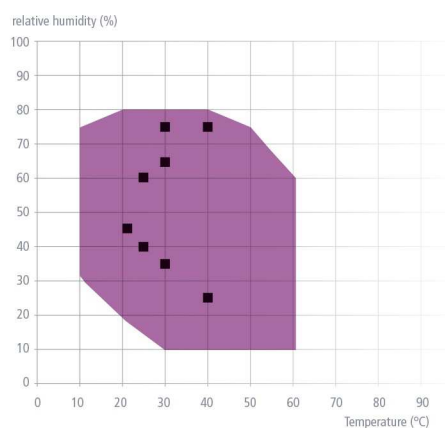
No icing, no drying out of samples, no dehumidification of the working chamber. Cooling aggregate and heating of the ICHeco/ICH are situated outside the working chamber in the air jacket surrounding the entire chamber thus ensuring quick and precise temperature control. Furthermore, the motor-driven forced air circulation, adjustable in 10 % steps, ensures particularly homogenous temperature distribution.



### Optionally with illumination unit (ICHeco L / ICH L) or CO<sub>2</sub> control (ICH C)

For tests according to ICH Q1B, option 2, an illumination unit with standard light D65 is available if required. The light sources are fluorescent lamps with cold white light (daylight: light colour 865, 6,500 K) and UV lamps in the spectral range 320 - 400 nm. Especially for tests in the construction industry model ICH C is available with a digitised, electronic CO<sub>2</sub> control with automatic zero setting, NDIR measuring method, self-diagnosis system, acoustic error display and air pressure compensation.

## Temperature-humidity working range



### Note:


Within the respective temperature-humidity range, condensation-free permanent operation is possible. To which extent condensation may occur in the threshold range depends on the humidity content of the chamber load and the ambient conditions.

■ Temperature and humidity test points defined in the ICH guideline

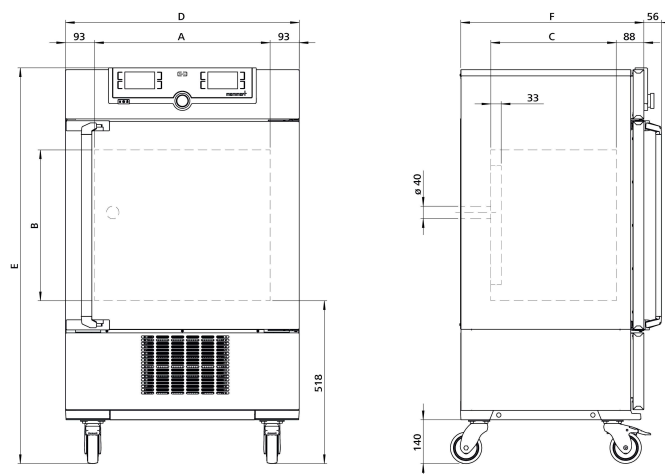


## CLIMATE CHAMBERS ICHeco

according to DIN 12880:2007-05, EN 61010-1 (IEC 61010-1), EN 61010-2-010

Standard units are safety-approved and bear the test marks: 

- Interior: Stainless steel, mat. 1.4301 (ASTM 304), deep-drawn
- Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated TwinDISPLAY (TFT colour display) with touchscreen
- Double doors: Outside stainless steel, fully insulated, inside glass (size 750: two leaves)
- Connection: Mains cable with plug (German type)
- Installation: Mounted on lockable castors
- Interfaces:



Model sizes/Description			110	260	750
Stainless steel interior	Volume	approx. l	108	256	749
	Width	(A) mm	560	640	1040
	Height	(B) mm	480	800	1200
	Depth (less 33 mm for fan)	(C) mm	400	500	600
	Max. number of grids/shelves	number	5	9	14
	Max. loading per grid/shelf	kg	20		30
	Max. loading of chamber	kg	150	200	
	Max. loading per slide-in drip tray	kg	3	4	8
Textured stainless steel exterior	Max. loading per bottom drip tray	kg	3	4	8
	Width	(D) mm	745	824	1224
	Height (with castors)	(E) mm	1233	1552	1950
	Depth (without door handle, depth of handle +56 mm)	(F) mm	585	685	785
Standard equipment	Stainless steel grids, electropolished	number	2		
	Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by a silicone stopper, standard position at the back		●		
	Water tank including connection hose		●		
	Standard works calibration certificate (measuring point chamber center)		+10, +37 and +30 °C with 60 % rh		
Temperature	Working temperature range without humidity ICHeco (not suitable for long-term storing at sub-zero temperatures. During permanent operation, the glass door may ice over)	°C	-10 to +60		
	Working temperature range ICHeco /ICHeco L with humidity and/or light	°C	+10 to +60		
	Working temperature range ICHeco L without humidity	°C	0 to +60		
	Setting temperature range ICHeco	°C	-10 to +60		
	Setting temperature range ICHeco L	°C	0 to +60		
Humidity	Setting accuracy	°C	0.1		
	Setting range humidity	% rh	10 to 80		
Light	Setting accuracy	% rh	0.5		
	Illumination unit (only ICHeco L) acc. ICH Q1B, option 2; separately switchable via controller, one box; Number of fluorescent lights with cold white light (size 110: 3, size 260/750: 4), light colour 865 6,500 K; Number of fluorescent lights with UV lamps (all sizes: 2), spectral range from 320 to 400 nm; (daylight and UV light comply with standard illuminant D65)		●		
Further data	Electrical load at 230 V, 50 Hz ICHeco	approx. W	1350		
	Electrical load at 230 V, 50 Hz ICHeco L	approx. W	1450	1550	
Packing data	Net weight	approx. kg	114	165	254
	Gross weight (packed in carton)	approx. kg	142	222	324
	Width	approx. mm	880	930	1330
	Height	approx. mm	1410	1760	2150
	Depth	approx. mm	810	930	1050

### Order No. Climate Chambers

ICHeco = Climate chamber

ICHeco L = Climate chamber with light

ICH110eco ICH260eco ICH750eco

ICH110Leco ICH260Leco ICH750Leco

Options	110	260	750
Chamber modification for the application of reinforced perforated stainless steel shelves or stainless steel grids (bearing rails mounted in the working chamber) - includes replacement of standard grids by reinforced grids (ICHeco/ICH and ICH C only)	-		K1
Illumination unit (has to be ordered together with the chamber) consisting of 4 fluorescent lights with cold white light (daylight: light colour 865, 6,500 K) and 2 UV lamps in the spectral range of 320 to 400 nm, acc. ICH Q1B, option 2 (daylight and UV light comply with standard illuminant D65) separately switchable via controller (only ICHeco L/ICH L)	second box	-	T72
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent lamps: size 110: 5, sizes 260/750: 6, with cold white light (daylight: light colour 865, 6.500 K; daylight complies with standard illuminant D65) (only ICHeco L/ICH L)	one box second box (cannot be switched on separately)	-	T81 T82
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent UV lamps: size 110: 5, sizes 260/750: 6, in the spectral range of 320 to 400 nm; UV light complies with standard illuminant D65 (only ICHeco L/ICH L)	one box second box (cannot be switched on separately)	-	T01 T02
Interior socket, ampacity 230 V/2.2 A, can be switched off with the On/Off switch, cannot be switched individually, moisture tight IP68 (not for ICH110eco L/ICH110L)			R3
Entry port, 23 mm clear diameter, for introducing connections at the side, moisture tight, can be closed by flap and silicone stopper, standard positions (F1 and F3 not for models ICHeco L/ICH L)	left centre/centre left centre/top right centre/top	-	F0 F1 F3
Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by silicone stopper, at the back (please state location). Not for models ICHeco L/ICH L		-	F7
4 - 20 mA current loop interface	Temperature controller actual value (-20 to +70 °C = 4 - 20 mA)		V3
	Temperature of a Pt100 sensor positioned flexibly in chamber for external temperature monitoring (max. 3) - price per sensor (-20 to +70 °C = 4 - 20 mA)		V6
	Humidity controller, actual value (0 to 100 % rh = 4 - 20 mA)		V7
Fan speed monitoring with switching off the heating and with alarm in case of failure			V4
Works calibration certificate for one (freely selectable) temperature and humidity value			D00105
Compressed air dehumidification (efficient dehumidification of the interior by means of compressed air - only ICHeco/ICH and ICHeco L/ICH L) Standard works calibration certificate (measuring point chamber centre) at +10 °C with 10 % rh			C9
Door with lock and key (safety lock)			B6
Potential-free contact for combination error message (e.g. supply failure, sensor fault, fuse)			H6
Door-open-recognition, shuts down humidity, light and CO <sub>2</sub> (standard with ICH C and ICHeco L/ICH L)			V5
MobileALERT, notification by SMS in case of any error or alarm of the device (requires option H6)			C3

Accessories	110	260	750
Stainless steel grid, electropolished	E20165	E28891	E20182
Reinforced stainless steel grid, electropolished, max. loading 60 kg; size 750 with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber	E29767	E29766	B32190
Perforated stainless steel shelf	B00325	B29725	B00328
Reinforced stainless steel shelf, max. loading 60 kg; with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber		-	B32191
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)	E02073	E29726	E02075
Stainless steel slide-in drip tray, 15 mm rim, with guide bars and fixing screws (may affect the temperature distribution, only in connection with option K1)		-	B32763
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)	B04359	B29722	B04362
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, only in connection with option K1)		-	B34055
Holder for water tank (2.5 litres) for mounting on the rear of the appliance. Standard equipment for size 750	E32172		-
Central water supply with filter cartridges for connection to the domestic water supply. Product information on demand		ZWVR6	
Central water supply without filter cartridges for connection to the domestic water supply (only for demineralised water with a conductivity of 5 to 10 µS/cm and a pH value between 5 and 7). Product information on demand		ZWVR7	
USB-Ethernet adapter		E06192	
Ethernet connection cable 5 m for computer interface		E06189	
USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID-programme) on Memory-stick, prevents undesired manipulation by unauthorised third parties. When reordering please specify serial number		B33170	
FDA conforming software AtmoCONTROL (FDA edition). Meets the requirements for the use of electronically stored data sets and electronic signatures as laid down in Regulation 21 CFR Part 11 of the US Food and Drug Administration (FDA). Base licence for the control of one unit. Respective IQ/OQ documents available in German and English language (without surcharge)		FDAQ1	
Integration of additional units (up to max. 31 units) into an already existent FDA-software licence		FDAQ2	
External measuring instrument with sensors for daylight and UV-light. Product information on demand (only ICHeco L/ICH L)		B04713	
External measuring instrument with additional measuring head for temperature and humidity measurement. Product information on demand		B04714	
DAkKs calibration for one (freely selectable) temperature and humidity value according to method C (DKD-R 5-7)		E48847	
DAkKs calibration for further temperature and humidity values according to method C (DKD-R 5-7)		E48848	

Accessories	110	260	750
IQ document with device-specific works test data, OQ/PQ check list as support for validation by customer			D00124
IQ/OQ document with device-specific works test data for one free-selectable temperature value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05. PQ check list as support for validation by customer. 305 € for further temperature values			D00127
IQ/OQ document with device-specific works test data for one free-selectable temperature and humidity value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05, PQ check list as support for validation by customer. 475 € for further temperature and humidity values			D00136
IQ/OQ document with device-specific works test data for one free-selectable temperature and humidity value, and measuring of light intensity, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05, PQ check list as support for validation by customer (models ICHeco L/ICH L). 605 € for further temperature and humidity values, and measuring of light intensity			D00137
On-site IQ/OQ for a freely selectable temperature and humidity value, including temperature distribution survey for 27 measuring points to DIN 12880: 2007-05 (excluding travel costs, not subject to discount, GER, AT, FR only)			DLQ101
Extension of DLQ101 by an additional freely selectable temperature and humidity value (not subject to discount)			DLQ101A
Individual on-site Performance Qualification (PQ)			DLQ200
Maintenance ICH/ ICHeco - carrying out and documentation according to Memmert maintenance plan (excluding travel costs, not subject to discount, GER, AT, FR only)			S00322
Maintenance contract ICH/ ICHeco - carrying out and documentation according to Memmert maintenance plan, minimum duration 3 years (excluding travel costs, not subject to discount, GER, AT, FR only)			S00322J
Calibration of one freely selectable temperature value (excluding travel costs, not subject to discount, GER, AT, FR only)			S00205
Calibration of an additional temperature value (not subject to discount)			S00215
Calibration of one freely selectable temperature and humidity value (excluding travel costs, not subject to discount, GER, AT, FR only)			S00207
Calibration of an additional temperature and humidity value (not subject to discount)			S00216

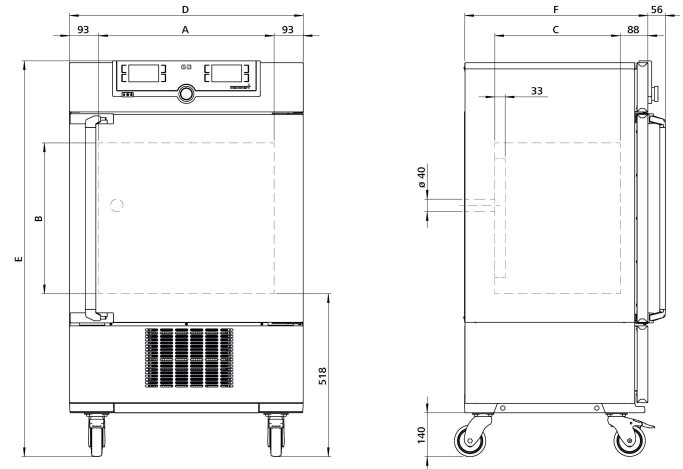
## CLIMATE CHAMBERS ICH

according to DIN 12880:2007-05, EN 61010-1 (IEC 61010-1), EN 61010-2-010

Standard units are safety-approved and bear the test marks:



- Interior: Stainless steel, mat. 1.4301 (ASTM 304), deep-drawn
- Housing: Textured stainless steel, rear zinc-plated steel, intuitively operated TwinDISPLAY (TFT colour display) with touchscreen
- Double doors: Outside stainless steel, fully insulated, inside glass (size 750: two leaves)
- Connection: Mains cable with plug (German type)
- Installation: Mounted on lockable castors
- Interfaces:



Model sizes/Description			110	260	750
Stainless steel interior	Volume	approx. l	108	256	749
	Width	(A) mm	560	640	1040
	Height	(B) mm	480	800	1200
	Depth (less 33 mm for fan)	(C) mm	400	500	600
	Max. number of grids/shelves	number	5	9	14
	Max. loading per grid/shelf	kg	20		30
	Max. loading of chamber	kg	150	200	
	Max. loading per slide-in drip tray	kg	3	4	8
Max. loading per bottom drip tray	kg	3	4	8	
Textured stainless steel exterior	Width	(D) mm	745	824	1224
	Height (with castors)	(E) mm	1233	1552	1950
	Depth (without door handle, depth of handle +56 mm)	(F) mm	585	685	785
Standard equipment	Stainless steel grids, electropolished	number	2		
	Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by a silicone stopper, standard position at the back		●		
	Water tank including connection hose		●		
	Standard works calibration certificate (measuring point chamber center)		+10, +37 and +30 °C with 60 % rh		
Temperature	Working temperature range without humidity ICH (not suitable for long-term storing at sub-zero temperatures. During permanent operation, the glass door may ice over)	°C	-10 to +60		
	Working temperature range ICH/ICH L with humidity and/or light	°C	+10 to +60		
	Working temperature range ICH C with and without humidity	°C	+10 to +50		
	Working temperature range ICH L without humidity	°C	0 to +60		
	Setting temperature range ICH	°C	-10 to +60		
	Setting temperature range ICH L	°C	0 to +60		
	Setting temperature range ICH C	°C	+10 to +50		
Humidity	Setting range humidity	% rh	10 to 80		
	Setting accuracy	% rh	0.5		
CO <sub>2</sub> / O <sub>2</sub>	Digital electronic CO <sub>2</sub> control with autozero, NDIR system, with auto-diagnostic system and acoustic fault indication, barometric pressure compensation (only ICH C), setting range	% CO <sub>2</sub>	0 to 20		0 to 10
	Setting accuracy CO <sub>2</sub> (only ICH C)	% CO <sub>2</sub>	0.1		
	Control accuracy CO <sub>2</sub> at 0 – 10 % CO <sub>2</sub>	%	+/- 0.2		+/- 0.3
	Control accuracy CO <sub>2</sub> at 11 – 15 % CO <sub>2</sub>	%	+/- 0.5		-
Light	Illumination unit (only ICH L) acc. ICH Q1B, option 2; separately switchable via controller, one box; Number of fluorescent lights with cold white light (size 110: 3, size 260/750: 4), light colour 865 6,500 K; Number of fluorescent lights with UV lamps (all sizes: 2), spectral range from 320 to 400 nm; (daylight and UV light comply with standard illuminant D65)		●		
Further data	Electrical load at 230/115 V, 50/60 Hz ICH L	approx. W	1450		1550
	Electrical load at 230/115 V, 50/60 Hz ICH and ICH C	approx. W	1350		
Packing data	Net weight	approx. kg	109	160	249
	Gross weight (packed in carton)	approx. kg	137	217	319
	Width	approx. mm	880	930	1330
	Height	approx. mm	1410	1760	2150

Model sizes/Description		110	260	750	
Packing data	Depth	approx. mm	810	930	1050
<b>Order No. Climate Chambers</b>			ICH110	ICH260	ICH750
ICH = Climate chamber			ICH110L	ICH260L	ICH750L
ICH L = Climate chamber with light			ICH110C	ICH260C	ICH750C
ICH C = Climate chamber with CO <sub>2</sub> control					
Options		110	260	750	
Voltage 115 V, 50/60 Hz			X2		
Chamber modification for the application of reinforced perforated stainless steel shelves or stainless steel grids (bearing rails mounted in the working chamber) - includes replacement of standard grids by reinforced grids (ICHeco/ICH and ICH C only)		-		K1	
Illumination unit (has to be ordered together with the chamber) consisting of 4 fluorescent lights with cold white light (daylight: light colour 865, 6,500 K) and 2 UV lamps in the spectral range of 320 to 400 nm, acc. ICH Q1B, option 2 (daylight and UV light comply with standard illuminant D65) separately switchable via controller (only ICHeco L/ICH L)		second box	-	T72	
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent lamps: size 110: 5, sizes 260/750: 6, with cold white light (daylight: light colour 865, 6,500 K; daylight complies with standard illuminant D65) (only ICHeco L/ICH L)		one box second box (cannot be switched on separately)	-	T81	T82
Alternative light boxes (replace the standard lighting; have to be ordered together with the chamber); number of fluorescent UV lamps: size 110: 5, sizes 260/750: 6, in the spectral range of 320 to 400 nm; UV light complies with standard illuminant D65 (only ICHeco L/ICH L)		one box second box (cannot be switched on separately)	-	T01	T02
Interior socket, ampacity 230 V/2.2 A, can be switched off with the On/Off switch, cannot be switched individually, moisture tight IP68 (not for ICH110eco L/ICH110L)				R3	
Entry port, 23 mm clear diameter, for introducing connections at the side, moisture tight, can be closed by flap and silicone stopper, standard positions (F1 and F3 not for models ICHeco L/ICH L)		left centre/centre left centre/top right centre/top	-	F0 F1	F3
Entry port (silicone), 40 mm clear diameter, moisture tight, can be closed by silicone stopper, at the back (please state location). Not for models ICHeco L/ICH L			-	F7	
4 - 20 mA current loop interface		Temperature controller actual value (-20 to +70 °C = 4 - 20 mA)		V3	
		Temperature of a Pt100 sensor positioned flexibly in chamber for external temperature monitoring (max. 3) - price per sensor (-20 to +70 °C = 4 - 20 mA)		V6	
		Humidity controller, actual value (0 to 100 % rh = 4 - 20 mA)		V7	
		CO <sub>2</sub> controller, actual value (0 to 25 % CO <sub>2</sub> = 4 - 20 mA) (only ICH C)		V9	
Fan speed monitoring with switching off the heating and with alarm in case of failure				V4	
Works calibration certificate for one (freely selectable) temperature and humidity value				D00105	
Works calibration certificate for one (freely selectable) temperature, humidity and CO <sub>2</sub> value according to customer specification (ICH C)				D00131	
Compressed air dehumidification (efficient dehumidification of the interior by means of compressed air - only ICHeco/ICH and ICHeco L/ICH L) Standard works calibration certificate (measuring point chamber centre) at +10 °C with 10 % rh				C9	
Door with lock and key (safety lock)				B6	
Potential-free contact for combination error message (e.g. supply failure, sensor fault, fuse)				H6	
Door-open-recognition, shuts down humidity, light and CO <sub>2</sub> (standard with ICH C and ICHeco L/ICH L)				V5	
MobileALERT, notification by SMS in case of any error or alarm of the device (requires option H6)				C3	
Accessories		110	260	750	
Stainless steel grid, electropolished		E20165	E28891	E20182	
Reinforced stainless steel grid, electropolished, max. loading 60 kg; size 750 with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber		E29767	E29766	B32190	
Perforated stainless steel shelf		B00325	B29725	B00328	
Reinforced stainless steel shelf, max. loading 60 kg; with guide bars and fixing screws (requires option K1). Please consider max. loading of chamber			-	B32191	
Stainless steel slide-in drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)		E02073	E29726	E02075	
Stainless steel slide-in drip tray, 15 mm rim, with guide bars and fixing screws (may affect the temperature distribution, only in connection with option K1)			-	B32763	
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, not in connection with option K1)		B04359	B29722	B04362	
Stainless steel bottom drip tray, 15 mm rim (may affect the temperature distribution, only in connection with option K1)			-	B34055	
Holder for water tank (2.5 litres) for mounting on the rear of the appliance. Standard equipment for size 750			E32172	-	
Central water supply with filter cartridges for connection to the domestic water supply. Product information on demand			ZWVR6		

Accessories	110	260	750
Central water supply without filter cartridges for connection to the domestic water supply (only for demineralised water with a conductivity of 5 to 10 µS/cm and a pH value between 5 and 7). Product information on demand			ZWVR7
CO <sub>2</sub> pressure reducing valve to DIN 8546, incl. gas cylinder monitor (only ICH C)			E02087
USB-Ethernet adapter			E06192
Ethernet connection cable 5 m for computer interface			E06189
USB User-ID stick (with User-ID licence): Oven-linked authorisation licence (User-ID-programme) on Memory-stick, prevents undesired manipulation by unauthorised third parties. When reordering please specify serial number			B33170
FDA conforming software AtmoCONTROL (FDA edition). Meets the requirements for the use of electronically stored data sets and electronic signatures as laid down in Regulation 21 CFR Part 11 of the US Food and Drug Administration (FDA). Base licence for the control of one unit. Respective IQ/OQ documents available in German and English language (without surcharge)			FDAQ1
Integration of additional units (up to max. 31 units) into an already existent FDA-software licence			FDAQ2
External measuring instrument with sensors for daylight and UV-light. Product information on demand (only ICHeco L/ICH L)			B04713
External measuring instrument with additional measuring head for temperature and humidity measurement. Product information on demand			B04714
DAkkS calibration for one (freely selectable) temperature and humidity value according to method C (DKD-R 5-7)			E48847
DAkkS calibration for further temperature and humidity values according to method C (DKD-R 5-7)			E48848
IQ document with device-specific works test data, OQ/PQ check list as support for validation by customer			D00124
IQ/OQ document with device-specific works test data for one free-selectable temperature value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05. PQ check list as support for validation by customer. 305 € for further temperature values			D00127
IQ/OQ document with device-specific works test data for one free-selectable temperature and humidity value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05, PQ check list as support for validation by customer. 475 € for further temperature and humidity values			D00136
IQ/OQ document with device-specific works test data for one free-selectable temperature and humidity value, and measuring of light intensity, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05, PQ check list as support for validation by customer (models ICHeco L/ICH L). 605 € for further temperature and humidity values, and measuring of light intensity			D00137
IQ/OQ document with device-specific works test data for one free-selectable CO <sub>2</sub> , humidity and temperature value, incl. temperature distribution survey at Memmert for 27 measuring points to DIN 12880:2007-05, PQ check list as support for validation by customer (models ICH C). 605 € for further CO <sub>2</sub> , humidity and temperature values			D38897
On-site IQ/OQ for a freely selectable temperature and humidity value, including temperature distribution survey for 27 measuring points to DIN 12880: 2007-05 (excluding travel costs, not subject to discount, GER, AT, FR only)			DLQ101
Extension of DLQ101 by an additional freely selectable temperature and humidity value (not subject to discount)			DLQ101A
On-site IQ/OQ for a freely selectable temperature and CO <sub>2</sub> value, including temperature distribution survey for 27 measuring points to DIN 12880: 2007-05 (models ICH C) (excluding travel costs, not subject to discount, GER, AT, FR only)			DLQ102
Extension of DLQ102 by an additional freely selectable temperature and CO <sub>2</sub> value (models ICH C) (not subject to discount)			DLQ102A
On-site IQ/OQ for a freely selectable temperature, humidity and CO <sub>2</sub> value, including temperature distribution survey for 27 measuring points to DIN 12880: 2007-05 (models ICH C) (excluding travel costs, not subject to discount, GER, AT, FR only)			DLQ103
Extension of DLQ103 by an additional freely selectable temperature, humidity and CO <sub>2</sub> value (models ICH C) (not subject to discount)			DLQ103A
Individual on-site Performance Qualification (PQ)			DLQ200
Maintenance ICH-C - carrying out and documentation according to Memmert maintenance plan (excluding travel costs, not subject to discount, GER, AT, FR only)			S00316
Maintenance contract ICH-C - carrying out and documentation according to Memmert maintenance plan, minimum duration 3 years (excluding travel costs, not subject to discount, GER, AT, FR only)			S00316J
Maintenance ICH/ ICHeco - carrying out and documentation according to Memmert maintenance plan (excluding travel costs, not subject to discount, GER, AT, FR only)			S00322
Maintenance contract ICH/ ICHeco - carrying out and documentation according to Memmert maintenance plan, minimum duration 3 years (excluding travel costs, not subject to discount, GER, AT, FR only)			S00322J
Calibration of one freely selectable temperature value (excluding travel costs, not subject to discount, GER, AT, FR only)			S00205
Calibration of an additional temperature value (not subject to discount)			S00215
Calibration of one freely selectable temperature and humidity value (excluding travel costs, not subject to discount, GER, AT, FR only)			S00207
Calibration of an additional temperature and humidity value (not subject to discount)			S00216
Calibration of one freely selectable temperature and humidity value including CO <sub>2</sub> (excluding travel costs, not subject to discount, GER, AT, FR only)			S00211
Calibration of an additional temperature and humidity value including CO <sub>2</sub> (not subject to discount)			S00217