HyperC00L™

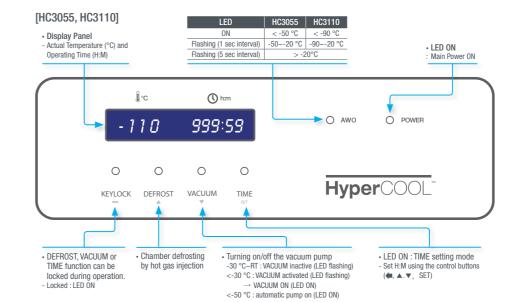
Freeze Dryer & Cooling Trap



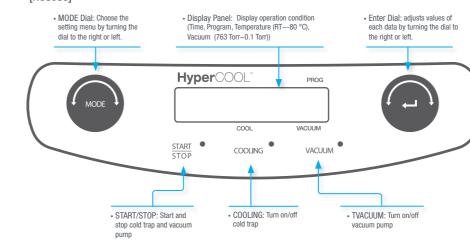
► Technical Specifications

Model Name	HC3055	HC3110	HC8080
Ultimate Chamber Temp (at RT) (°C)	-55	-110	-80
Chamber Volume (L)		4	25
Trap (Chamber) Size (Ø x L)	165	x 202	305 x 355
ICE Condensing Capacity (kg)		8	
ICE Condensing Performance (kg/day)	2		
Compressor	1/2 HP	1/2 HP x 2	1 HP x 2
Refrigerant	R507	R507/R1150	R507/R1150
Power supply(V/Hz)	220 V/50~60 Hz (110 V optional)		220 V/50~60 Hz (110 V optional)
Power Requirement (Resting, VA)	642	819	1500
Dimension (W x D x H, mm)	400 x 6	710 x 610 x 960	
Weight (kg)	58	72	195
Digital Readout	Tempera	Time, Program, Temperature, Vacuum Pressure	
Function	KEYLOCK, DEFRO	COOLING, VACUUM	
Cat. No.	GZ-HC3055 (GZ-HC3055-110)	GZ-HC3110 (GZ-HC3110-110)	GZ-HC8080 (GZ-HC8080-110)

Intuitive Control Panel



[HC8080]



Application

- Study and QC of dried foods like dried fruits, meats, etc.
- · Stock of bacteria, virus, fungi, etc.
- Seed preservation of plants or mushrooms
- Improved preservation of flowers and dry display study
- Pharmaceutical study and production
- Research and production of vaccine and antidote
- Tissue or cell preparation for EM analysis
- Medical research
- Archaeological finds like books, textiles, leather
- Restoration of wet documents

HyperCOOL™ Freeze Dryer & Cooling Trap

Ordering Information

Cat. No.	Description
GZ-HC3055	HyperCOOL -55 °C Cooling Trap, 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220 V, 50/60 Hz)
GZ-HC3055-110	HyperCOOL -55 °C Cooling Trap, 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (110 V, 50/60 Hz)
GZ-HC3110	HyperCOOL -110 °C Cooling Trap, 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220 V, 50/60 Hz)
GZ-HC3110-110	HyperCOOL -110 °C Cooling Trap, 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (110 V, 50/60 Hz)
GZ-HC8080	HyperCOOL -80 °C, Cooling Trap 8kg, w/ Digital Display and Time Control (220V, 50/60Hz) complete system with an integrated Rotary Vane Pump and Oil Mist Trap
GZ-HC8080-110	HyperCOOL -80 °C, Cooling Trap 8kg, w/ Digital Display and Time Control (110V, 50/60Hz) complete system with an integrated Rotary Vane Pump and Oil Mist Trap



HyperCOOL Cover Plate



(Cat. No.	HC-CPP
[)etails	HyperCOOL HC3055, HC3110 Trap Plate for Connection Vacuum Hose to Vacuum Concentrator



	Cat. No.	HC-CPP-A
1	Details	HyperCOOL HC3055, HC3110 To Plate for Connection Vacuum Ho to Vacuum Concentrator with Ta
		A (GVCT-MA)



	Cat. No.	HC-CPB
)	Details	HyperCOOL HC3055, HC3110 Acrylic Base for Manifold or Chamber



	HC-CPM
Details	HyperCOOL HC3055, HC3110 Acrylic Base for HC-MFB-8V



at. No.	HC-CPP(8)
etails	HyperCOOL HC8080 Trap Plate for Connection Vacuum Hose to Vacuum Concentrator



Cat. No.	HC-CPB(8)
Details	HyperCOOL HC8080 Acrylic Base for Manifold or Chamber



Cat. No.	HC-CPM(8)
Details	HyperCOOL HC8080 Acrylic Base for HC-MFB-8V



Cat. No.	HC-MFB-4V
Details	4-Valve Manifold Basic with four rubber valves on a stainless steel bar, 30 cm



Cat. No.		HC-MFB-6V	
	Details	6-Valve Manifold Basic with six rubber valves on a stainless steel bar, 30 cm	



Cat. No.
Details

HC-MFE-4V
4-Valve Manifold Extension with four
rubber valves on a stainless steel bar,
20 cm



Cat. No.	HC-MFE-6V
Details	6-Valve Manifold Extension with six rubber valves on a stainless steel bar, 20 cm

Cat. No.	HC-MFB-8V
Details	8-Valve Manifold Basic with 8 rubber valves on a stainless steel bar, 30 cm

Chamber and Rack



Cat. No.	HC-CH30P
Details	Acrylic Chamber Trunk and Plain Top, ø30 cm, height 40 cm



Cat. No.	HC-CH30-4V
Details	Acrylic Chamber Trunk and Top with 4 Rubber Valves, ø30 cm, height 40 cm

Flask and others

Cat. No.

HC-GF150	Freeze Drying Glass Flask 150 ml with rubber lid and stainless steel connector
HC-GF300	Freeze Drying Glass Flask 300 ml with rubber lid and stainless steel connector
HC-GF600	Freeze Drying Glass Flask 600 ml with rubber lid and stainless steel connector
HC-GF900	Freeze Drying Glass Flask 900 ml with rubber lid and stainless steel connector
HC-GF1200	Freeze Drying Glass Flask 1200 ml with rubber lid and stainless steel connector
HC-AA	Acetal Adaptor for the connection Vacuum Hose to Rubber Valve
HC-VH	Vacuum Hose with 2 Clamps, 100 cm
GVP-W2V20	High Vacuum Rotary Vane Pump, 0.4 kW(0.5 HP), 200 L/min, 1X10-3 torr
GVP-W0F150	Oil Mist Trap



Cat. No.	HC-CR25
Details	Stainless Steel Rack with 3 Sets of SS Shelves and Trays, ø25cm (Trays can be inserted up to 5)
Cat. No.	HC-CR-TS
Details	A Set of a Tray and a Shelve



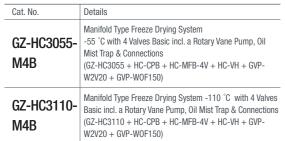
Cat. No.	HC-CH30-8V
Details	Acrylic Chamber Trunk and Top with Rubber Valves, ø30 cm, height 40 cm
	Rubber valves, Ø30 cm, neight 40 c

HyperC00L™

Freeze Dryer & Cooling Trap

HyperCOOL PACKAGE INFORMATION







Cat. No.	Details
GZ-HC3110- CHR	Chamber Type Freeze Drying System -110 °C with 3 Shelves Rack incl. a Rotary Vane Pump, Oil Mist Trap & Connections (GZ-HC3110 + HC-CPB + HC-CH30P + HC-CR25 + HC-VH + GVP-W2V20 + GVP-W0F150)



Cat. No.	Details
GZ-HC3110- CH4VR	Multi-Type Freeze Drying System -110 °C with 3 Shelves Rack & 4 Valves Chamber incl. a Rotary Vane Pump, Oil Mist Trap & Connections (GZ-HC3110 + HC-CPB + HC-CH30-4V + HC-CR25 + HC-VH + GVP-W2V20 + GVP-W0F150)



Cat. No.	Details
GZ-HC3110- CH8VR	Multi-Type Freeze Drying System -110 °C with 3 Shelves Rack & 8 Valves Chamber incl. a Rotary Vane Pump, Oil Mist Trap & Connections (GZ-HC3110 + HC-CPB + HC-CH30-8V + HC-CR25 + HC-VH + GVP-W2V20 + GVP-W0F150)



Cat. No.	Details
GZ-MHC3110- M4EC	Multi-Purpose, Vacuum Concentration and Freeze Drying System -110 °C with 8 Valve Manifold incl. a Rotary Vane Pump, Oil Mist Trap, Connections & a Table B (GZ-VC2200 + GVCT-MB + GZ-HC3110 + HC-CPB + HC-MFB-4V + HC-MFE-4V + two HC-VH + GVP-W2V20 + GVP-W0F150)



	Multi-Purpose, Vacuum Concentration and
	Freeze Drying System -110 °C with 3 Shelves
GZ-MHC3110- CH8VRC	Rack & 8 Valves Chamber incl. a Rotary
	Vane Pump, Oil Mist Trap, Connections & a
	Table B
	(GZ-VC2200 + GVCT-MB + GZ-HC3110 +
	HC-CPB + HC-CH30-8V + HC-CR25 + two
	HC-VH + GVP-W2V20 + GVP-W0F150)

Details

Cat. No.