

# HyperVAC™

## Tabletop & Floor Standing Vacuum Concentrators

- Centrifugal concentrators with high space efficiency
- Equipped with a diaphragm pump (7 mbar) optimal for volatile chemical solvents
- Accommodates a wide range of sample containers: 0.5, 2.0, 15, 50-ml tubes and microplates
- Automatic control and digital readout of RPM, TIME, TEMP and VAC
- Efficient cold trapping by employing drip catcher kit with ice cold trap
- Effective concentration of nucleic acids or small volume of organic solvents

### Accessories

#### Angle Rotors



GRV-m2.0-200



GRV-m0.5/2.0-124



GRV-m2.0-120



GRV-50-12



GRV-15-48



GRV-50-6



GRV-15-12

#### Swing Rotors



GRV-mw-4



GRV-mw-2



GV-DC20

#### Drip Catcher Kit



HyperVAC™-LITE

### Technical Specifications

Model	VC2124	VC2200	
Max RPM	200 ~ 2,000 RPM		
Max Capacity	124 x 1.5/2.0 ml microtubes or 48 x 1.5 / 2.0 ml + 76 x 0.5 ml microtubes	200 x 1.5 / 2.0 ml microtubes	
Auto Start / Stop	Yes		
Chamber Heating Temperature Range	R.T ~ 80		
Vacuum Pressure	1 ~ 1,013		
Operating Time	< 23 hr 59 min or continuous Default value: 0 h 0 m (continuous)		
Centrifuge Dimension (W x D x H, mm)	377 x 500 x 242	473 x 610 x 320	
Weight (kg)	22.5 (w/o Rotor)	37 (w/o Rotor)	
Power Requirements	220V, 50/60Hz		
Pump Capacity	20 mBar at 25°C 6 mBar at 0°C	7 mBar	7 mBar
Pump down Capacity	15	37	37



HyperVAC™-MAX

# HyperCOOL™

## Freeze Dryer & Cooling Trap

- HyperVAC empowered by HyperCOOL guarantees capacity and performance at higher level
- Extended applications for concentrating wider range or larger volume of solvents
- HyperCOOL by itself, when equipped with manifolds or chambers, becomes a versatile freeze dryer.
- The compatible high-vacuum rotary vane pump generates vacuum down to 1 mbar inside the chamber.
- Effective for evaporating organic solvents as well as concentrating dissolved nucleic acids
- Up to 8 external bottles can be accommodated by the manifolds of HyperCOOL.
- Automatic VACCUM and DEFROST functions installed

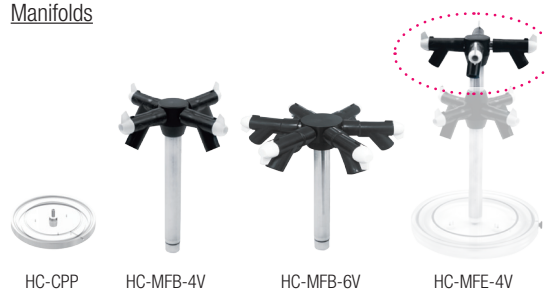
### Technical Specifications of HyperCOOL

Model	HC4055	HC4110
Ultimate Chamber Temp (at RT) (°C)	-55	-110
Chamber Volume (L)	4	
Trap (Chamber) Size (Ø x L)	165 x 202	
Ice Condensing Capacity (kg)	3	
Ice Cond. Performance (kg/day)	2.5	
Compressor	1/2HP	1/3HP * 2
Refrigerant	R404A	R507/R1150
Power Requirement (Resting, VA)	642	819
Dimension (W x D x H, mm)	400 x 660 x 570	
Weight (kg)	58	72
Digital Readout	Time, Temperature	
Functions	KEYLOCK, DEFROST, VACCUM, TIME	

\* Refer to HyperVAC-LITE for VC2124 and VC2200.

### Accessories of HyperCOOL

#### Manifolds



#### Chamber

