

## Centrifugal Vacuum Concentrators

HyperVAC-LITE / HyperVAC-MAX

### Centrifugal Vacuum Concentrators

# HyperVAC™-LITE

# HyperVAC™-MAX



- Tabletop 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 reading of 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

### Applications

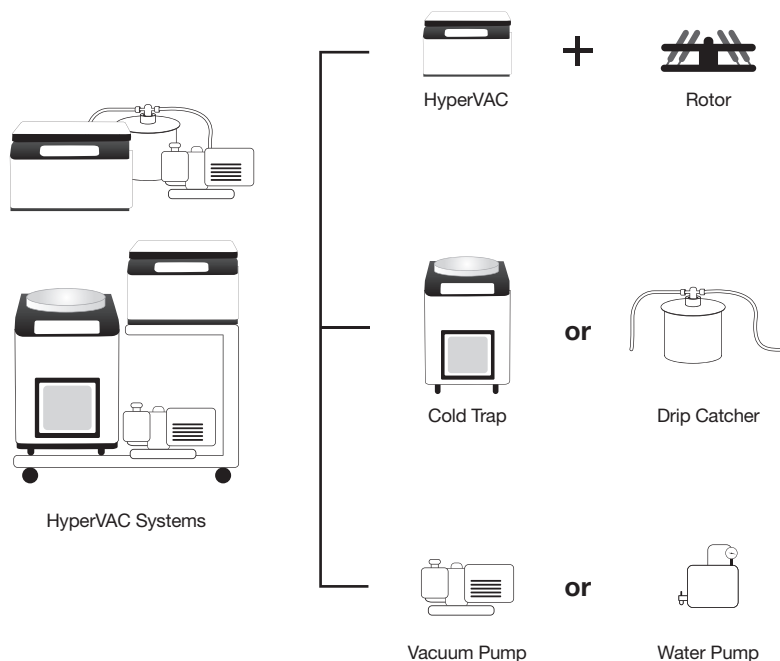
- Concentration for nucleic acids (DNA/RNA)
- Concentration for small and large volume of solvents



### Technical Specifications of HyperVAC-LITE/MAX Centrifuges

		HyperVAC-LITE Centrifuge	HyperVAC-MAX Centrifuge
Max. RPM		2,000	
Max. capacity	Fixed angle	120 x 1.5/2.0 mL microtubes or 48 x 1.5/2.0 mL + 76 x 0.5 mL microtubes 32 x 10 mL	200 x 1.5/2.0 mL microtubes 24 x 30 mL
	Swing-out	2 loadings of MTP	4 loadings of MTP or DWP
Auto start / Stop of vacuum		Yes	
Chamber heating temperature Range		R.T ~ 80°C	
Vacuum pressure (mbar)		1 ~ 1,013	
Operating time		< 23 hr 59 min or continuous	
Power requirement (Centrifuge, VA)		350	700
Power supply (V/Hz)		220 V ~ 240 V, 50/60 Hz (110 V optional)	
Centrifuge dimension (W x D x H, mm)		375 x 445 x 252	475 x 560 x 350
Weight (kg)		22.5 (without Rotor)	37 (without Rotor)
Cat. No.		HVC-2124 (HVC-2124-110)	HVC-2200 (HVC-2200-110)
			

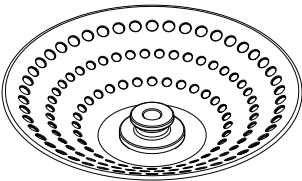

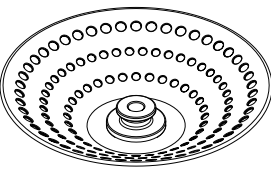

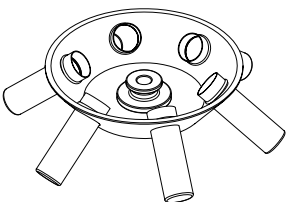

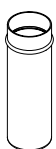

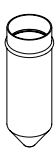
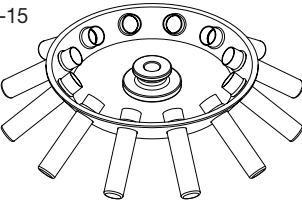


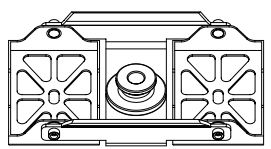
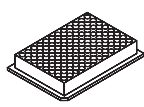
### System Diagram



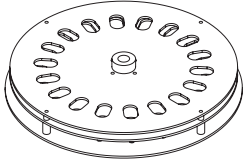

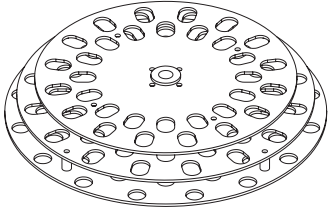

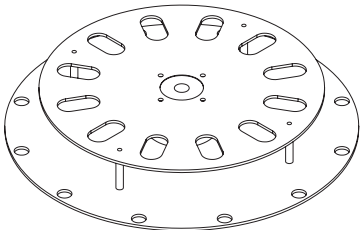

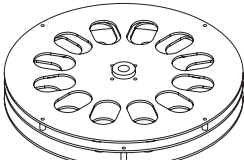

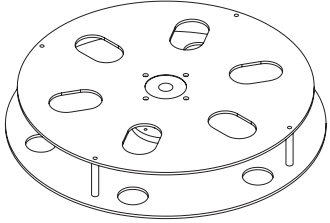

# Centrifugal Vacuum Concentrators

HyperVAC-LITE / HyperVAC-MAX

## Rotors For HyperVAC-LITE (1)

Rotor	Tube/Plate Type	Sleeve	Max. Tube Capacity	Hole Diameter (mm)
<b>HRV-m0.5/2.0-124</b> 	 1.5/2.0 mL 0.5 mL	-	48 x 1.5/2.0 mL + 76 x 0.5 mL	11.1 (1.5/2.0 mL) 8 (0.5 mL)
<b>HRV-m2.0-120</b> 	 1.5/2.0 mL	-	120 x 1.5/2.0 mL	11.1 mm
<b>HRV-50-6</b> Incl. 6 ea x HLV-50 	 50 mL	<b>HLV-50</b>		6 x 50 mL 30.4 x 101 mm
	 50 mL conical	<b>HLV-50c</b>		6 x 50 mL conical 30.4 x 101 mm
<b>HRV-15-12</b> Incl. 12 ea x HLV-15 	 15 mL	<b>HLV-15</b>		12 x 15 mL 18 x 93 mm
<b>HRV-mw-2</b> 	 Microplate	-	2 loadings of microplate	130.3 x 88.5

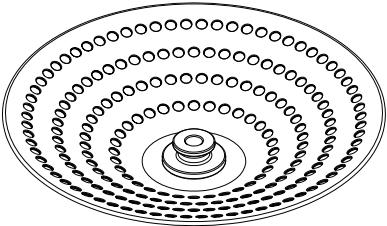

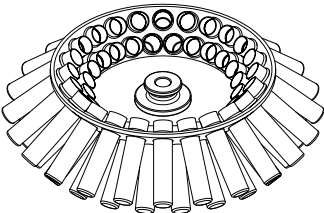


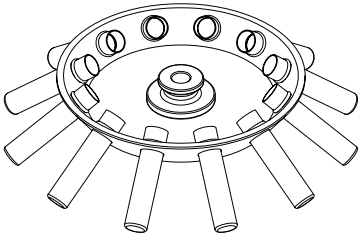




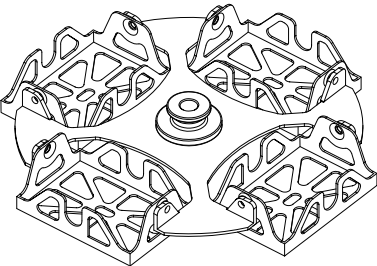
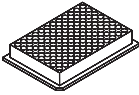
### Rotors For HyperVAC-LITE (2)

Rotor	Tube/Plate Type	Max. Tube Capacity
<b>HRV-10-18</b> 	 10 mL	18 x 10 mL vial tube
<b>HRV-10-32</b> 	 10 mL	32 x 10 mL
<b>HRV-15c-12</b> 	 15 mL conical	12 x 15 mL conical
<b>HRV-20-12</b> 	 20 mL	12 x 20 mL vial tube
<b>HRV-50c-6</b> 	 50mL conical	6 x 50 mL conical

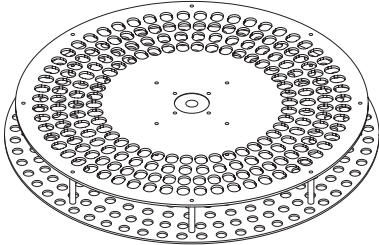

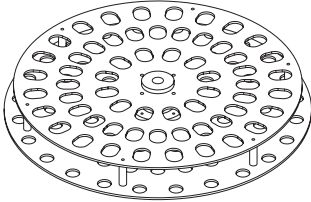

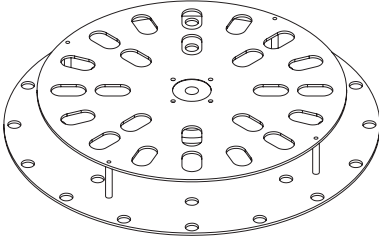

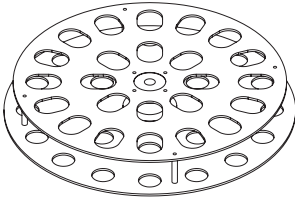

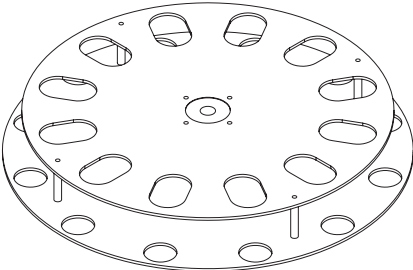

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HyperVAC-LITE / HyperVAC-MAX

## Rotors For HyperVAC-MAX (1)

Rotor	Tube/Plate Type	Sleeve	Max. Tube Capacity	Hole Diameter (mm)
<b>HRV-m2.0-200</b> 	 1.5/2.0 mL 0.5 mL	-	48 x 1.5/2.0 mL + 76 x 0.5 mL	11.1 (1.5/2.0 mL) 8 (0.5 mL)
<b>HRV-15-48</b> Incl. 48 ea x HLV-15 	 15 mL	<b>HLV-15</b> 	48 x 15 mL	18 x 93 mm
<b>HRV-50-12</b> Incl. 12 ea x HLV-50 	 50 mL	<b>HLV-50</b> 	12 x 50 mL	30.4 x 101 mm
	 50 mL conical	<b>HLV-50c</b> 	12 x 50 mL conical	30.4 x 101 mm
<b>HRV-mw-4</b> 	 Microplate Deep-well plate	-	4 loadings of MTP or DWP	86.3 x 128.3

### Rotors For HyperVAC-MAX (2)

Rotor	Tube/Plate Type	Max. Tube Capacity
<p><b>HRV-5-192</b></p> 	 <p>5 mL</p>	<p>192 x 5 mL</p>
<p><b>HRV-8-60</b></p> 	 <p>8 mL</p>	<p>60 x 8 mL vial tube</p>
<p><b>HRV-15c-24</b></p> 	 <p>15 mL conical</p>	<p>24 x 15 mL conical</p>
<p><b>HRV-30-24</b></p> 	 <p>30 mL</p>	<p>24 x 30 mL vial tube</p>
<p><b>HRV-50c-12</b></p> 	 <p>50mL conical</p>	<p>12 x 50 mL conical</p>











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## HyperCOOL Package Information

Cat. No.	Description	Vacuum Range
<p>HHC3055-M4B</p> 	<p><b>HyperVAC-LITE System Incl. a Drip Cather Kit a and a Water Pump</b> HVC-2124 + HRV-m0.5/2.0-124 + HV-DC20a + HVP-VE11</p>	<p>998 mbar</p>
<p>HHVL-BDP</p> 	<p><b>HyperVAC-LITE System Incl. a Drip Cather Kit b and a Diaphragm Pump</b> HVC-2124 + HRV-m0.5/2.0-124 + HV-DC20b + HVP-MP001</p>	<p>7 mbar</p>
<p>HHVM-BDP</p> 	<p><b>HyperVAC-MAX System Incl. a Drip Cather Kit b and a Diaphragm Pump</b> HVC-2200 + HRV-m2.0-200 + HV-DC20b + HVP-MP001</p>	<p>7 mbar</p>
<p>HHVM-HCA</p> 	<p><b>HyperVAC-MAX System Incl. a HyperCOOL -55°C/4L, a HC Trap Plate, a Vacuum Hose, Rotary Vane Pump, Oil Mist Trap, All Connections &amp; a Table A</b> HVC-2200 + HRV-m2.0-200 + HHC-3055 + HHC-CPP + two HHC-VH + HVP-W2V20 + HVP-WOF150 + HVCT-MA</p>	<p>0.0013 mbar</p>
<p>HHVM-HCB</p> 	<p><b>HyperVAC-MAX System Incl. a HyperCOOL -110°C/4L, a HC Trap Plate, a Vacuum Hose, Rotary Vane Pump, Oil Mist Trap, All Connections &amp; a Table B</b> HVC-2200 + HRV-m2.0-200 + HHC-3110 + HHC-CPP + two HHC-VH + HVP-W2V20 + HVP-WOF150 + HVCT-MB</p>	<p>0.0013 mbar</p>

### Ordering Information

Cat. No.		Description
<b>HyperVAC Concentrator Main System</b>		
HVC-2124		HyperVAC-LITE Centrifuge, Teflon coated, with Heat and Time Control incl. an Fixed Angle Rotor, HRV-m0.5/2.0-124 (220V, 50/60 Hz)
HVC-2124-110		HyperVAC-LITE Centrifuge, Teflon coated, with Heat and Time Control incl. an Fixed Angle Rotor, HRV-m0.5/2.0-124 (110V, 50/60 Hz)
HVC-2200		HyperVAC-MAX Centrifuge, Teflon coated, with Heat and Time Control incl. an Fixed Angle Rotor, HRV-m2.0-200 (220V, 50/60 Hz)
HVC-2200-110		HyperVAC-MAX Centrifuge, Teflon coated, with Heat and Time Control incl. an Fixed Angle Rotor, HRV-m2.0-200 (110V, 50/60 Hz)
<b>Pump</b>		
HVP-VE11		Water Pump, 18 L/min X 2, 0.0998Mpa (998 mbar)
HVP-MP001		Chemistry Diaphragm Pump MZ 2C NT (ref. VB732300) (2.3 m <sup>3</sup> /n, 7 mbar)
HVP-W2V20		High Vacuum Rotary Vane Pump, 0.4 kW (0.5 HP), 200 L/min, 1 x 10 <sup>-3</sup> torr (12 m <sup>3</sup> /n, 0,0013 mbar)
HVP-WOF150		Oil Mist Trap
<b>Drip Catcher</b>		
HV-DC20a		Drip Catcher Kit a, Acrylic, ø20 cm, Height 16 cm incl. 500 mL Glass Bottle and Connections to Water Pump (a 50 cm Soft Hose /10 cm Vac Hose (ø12/25 mm) with 2 clamps to connect to HyperVAC centrifuge and a Y-Shape Soft Hose to Water Pump)
HV-DC20b		Drip Catcher Kit b, Acrylic, ø20 cm, Height 16 cm incl. 500 mL Glass Bottle and Connections to Diaphragm Pump (two 50 cm Soft Hose /10 cm Vac Hose (ø12/25 mm) with 2 clamps each to connect to HyperVAC centrifuge and Diaphragm Pump)
<b>Cooling Trap</b>		
HHC3055		HyperCOOL -55°C Cooling Trap, 4 L, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220V, 50/60 Hz)
HHC3055-110		HyperCOOL -55°C Cooling Trap, 4 L, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (110V, 50/60 Hz)
HHC3110		HyperCOOL -110°C Cooling Trap, 4 L, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220V, 50/60 Hz)
HHC3110-110		HyperCOOL -110°C Cooling Trap, 4 L, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (110V, 50/60 Hz)
<b>Table</b>		
HVCT-MA		Table A Type for HyperVAC-MAX with HyperCOOL Underneath and a Pump Back-sided
HVCT-MB		Table B Type for HyperVAC-MAX with a Pump Underneath