

miVac Modular Evaporator Range

Specifications

DNA Concentrator

| | |
|----------------------|--------------------|
| Max. rotor speed | 1465 rpm |
| Sample acceleration | Up to 250 g |
| Dimensions (WxDxH) | 360 x 602 x 300 mm |
| Width with catch-pot | 141 mm |
| Weight | 41.5 kg |

DUO Concentrator

| | |
|---------------------|--------------------|
| Max. rotor speed | 1465 rpm |
| Sample acceleration | Up to 250 g |
| Dimensions (WxDxH) | 360 x 424 x 300 mm |
| Weight | 21 kg |

Quattro Concentrator

| | |
|---------------------|--------------------|
| Max. rotor speed | 1130 rpm |
| Sample acceleration | Up to 250 g |
| Dimensions (WxDxH) | 480 x 594 x 300 mm |
| Weight | 35 kg |

Duo Pump

| | |
|------------------------------|--------------------|
| Ultimate vacuum ¹ | < 10.0 mbar |
| Flow rate | 38 litres/minute |
| Dimensions (WxDxH) | 215 x 389 x 300 mm |
| Weight | 19 kg |

Quattro Pump

| | |
|------------------------------|--------------------|
| Ultimate vacuum ¹ | < 3.0 mbar |
| Flow rate | 33 litres/minute |
| Dimensions (WxDxH) | 215 x 389 x 300 mm |
| Weight | 18 kg |

Super Vacuum Pump

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|------------------------------|--------------------|
| Ultimate vacuum ¹ | 0.05 mbar |
| Dimensions (WxDxH) | 282 x 432 x 302 mm |
| Weight | 26.6 kg |

SpeedTrap Condenser

| | |
|---------------------------------------|----------------------------------|
| Type | Single-stage vapor compression |
| Refrigerant gas | R449A |
| Refrigerant charge | 100/120 V - 71 g 230 V - 64 g |
| CO2e | > 0.1 tonnes |
| Max. pressure (PS) | 30 bar |
| Nom. operating temperature | -35 °C |
| Ultimate low temperature ² | -50 °C |
| Max. defrost temperature | +60 °C |

| | |
|-------------------------|-----------------------------------|
| Rapid defrost | Yes |
| Rapid defrost over-ride | Yes (after Feb 2011) |
| Condenser jar | Plastic-coated borosilicate glass |
| Condenser jar capacity | 1 litre |
| Dimensions (WxDxH) | 212 x 563 x 450 mm |
| Weight | 25.8 kg |

Emissions

| | |
|-------------------|-----------------------|
| Noise (@ 1 metre) | 74 dB(A) ³ |
|-------------------|-----------------------|

Electrical Supply

| | |
|--|-----------|
| | 230V 50Hz |
| | 220V 60Hz |
| | 120V 60Hz |
| | 100V 50Hz |
| | 100V 60Hz |

Storage & Transportation Environment

| | |
|---------------------|----------------------------|
| Ambient temperature | 0 °C to 40 °C ⁴ |
| Relative humidity | 0-95% non-condensing |
| Altitude | Sea-level to 12,000 m |

Operational Environment

| | |
|---------------------|----------------------|
| Ambient temperature | 0 °C to 30 °C |
| Relative humidity | 0-95% non-condensing |
| Altitude | Sea-level to 1,600 m |

Pressure Controller

| | |
|--------------------|--------------------------------|
| Measuring range | 1-1100 mbar |
| Dimensions (WxDxH) | 195 x 178 x 105 mm |
| Weight | 1.5 kg |
| Power consumption | 30 W (@ 90-264 V, 50/60 Hz) |

¹ Ultimate vacuum; operational values may vary

² Ultimate low temperature; operational values may vary

³ Actual dBA value may vary depending on equipment setup/composition

⁴ -10 °C permissible during transport only

All dimensions include allowances for pipe connections and lid opening. Weights quoted are for guidance purposes only; actual system weight will vary depending on the modules selected.

