

High Temperature Vertical Tube Furnace - HTRV

pump are available for furnaces with tube inner diameters of 60 mm and above

- 'L' stand for convenient usage
- Oxygen sensor for inert gas packages

Technical Specifications

HTRV __/40/100

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 40 |
| Heated length (mm) | 100 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 365 x 455 x 455 |
| Furnace weight (kg) | 30 |
| Tube length for use in air (mm) | 355 |
| Tube length for use with modified atmosphere (mm) | 890 |
| Control module dimensions H x W x D (mm) | 480 x 560 x 500 |
| Control module weight (kg) | 50 |
| Uniform length ±5°C (mm) | 50 |
| Max power (W) | 2000 |

HTRV __/40/250

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 40 |
| Heated length (mm) | 250 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 515 x 455 x 455 |
| Furnace weight (kg) | 40 |
| Tube length for use in air (mm) | 505 |
| Tube length for use with modified atmosphere (mm) | 1040 |
| Control module dimensions H x W x D (mm) | 480 x 560 x 500 |
| Control module weight (kg) | 50 |
| Uniform length ±5°C (mm) | 125 |
| Max power (W) | 3000 |

High Temperature Vertical Tube Furnace - HTRV

HTRV __/40/500

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 40 |
| Heated length (mm) | 500 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 765 x 455 x 455 |
| Furnace weight (kg) | 65 |
| Tube length for use in air (mm) | 755 |
| Tube length for use with modified atmosphere (mm) | 1290 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 60 |
| Uniform length ±5°C (mm) | 250 |
| Max power (W) | 6000 |

HTRV __/70/100

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 70 |
| Heated length (mm) | 100 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 365 x 455 x 455 |
| Furnace weight (kg) | 30 |
| Tube length for use in air (mm) | 355 |
| Tube length for use with modified atmosphere (mm) | 890 |
| Control module dimensions H x W x D (mm) | 480 x 560 x 500 |
| Control module weight (kg) | 50 |
| Uniform length ±5°C (mm) | 50 |
| Max power (W) | 3000 |

High Temperature Vertical Tube Furnace - HTRV

HTRV __/70/250

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 70 |
| Heated length (mm) | 250 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 515 x 455 x 455 |
| Furnace weight (kg) | 40 |
| Tube length for use in air (mm) | 505 |
| Tube length for use with modified atmosphere (mm) | 1040 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 60 |
| Uniform length ±5°C (mm) | 125 |
| Max power (W) | 4800 |

HTRV __/70/500

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 70 |
| Heated length (mm) | 500 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 765 x 455 x 455 |
| Furnace weight (kg) | 65 |
| Tube length for use in air (mm) | 755 |
| Tube length for use with modified atmosphere (mm) | 1290 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | 250 |
| Max power (W) | 8000 |

High Temperature Vertical Tube Furnace - HTRV

HTRV __/100/250

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 100 |
| Heated length (mm) | 250 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 515 x 455 x 455 |
| Furnace weight (kg) | 45 |
| Tube length for use in air (mm) | 505 |
| Tube length for use with modified atmosphere (mm) | 1040 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 60 |
| Uniform length ±5°C (mm) | 125 |
| Max power (W) | 6400 |

HTRV __/100/500

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 100 |
| Heated length (mm) | 500 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 765 x 455 x 455 |
| Furnace weight (kg) | 70 |
| Tube length for use in air (mm) | 755 |
| Tube length for use with modified atmosphere (mm) | 1290 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | 250 |
| Max power (W) | 10400 |

High Temperature Vertical Tube Furnace - HTRV

HTRV __/150/250

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 150 |
| Heated length (mm) | 250 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 515 x 580 x 580 |
| Furnace weight (kg) | 55 |
| Tube length for use in air (mm) | 505 |
| Tube length for use with modified atmosphere (mm) | 1040 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | |
| Max power (W) | 8000 |

HTRV __/150/500

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 150 |
| Heated length (mm) | 500 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 765 x 580 x 580 |
| Furnace weight (kg) | 80 |
| Tube length for use in air (mm) | 755 |
| Tube length for use with modified atmosphere (mm) | 1290 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | |
| Max power (W) | 12000 |

High Temperature Vertical Tube Furnace - HTRV

HTRV __/200/250

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 200 |
| Heated length (mm) | 250 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 515 x 580 x 580 |
| Furnace weight (kg) | 70 |
| Tube length for use in air (mm) | 505 |
| Tube length for use with modified atmosphere (mm) | 1040 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | |
| Max power (W) | 10000 |

HTRV __/200/500

| | |
|---|------------------|
| Max outer diameter accessory tube (mm) | 200 |
| Heated length (mm) | 500 |
| Max temp (°C) | 1600, 1700, 1800 |
| Dimensions: External H x W x D (mm) | 765 x 580 x 580 |
| Furnace weight (kg) | 95 |
| Tube length for use in air (mm) | 355 |
| Tube length for use with modified atmosphere (mm) | 890 |
| Control module dimensions H x W x D (mm) | 850 x 560 x 500 |
| Control module weight (kg) | 90 |
| Uniform length ±5°C (mm) | |
| Max power (W) | 18500 |

Please note:

- Heat up rate when using a ceramic work tube must be limited to 5 °C/min
- Further to the depth of the control module 150 mm for the power plugs and other plugs needs to be added
- The power supply is based on 200 – 240 V for 1 phase and 380 – 415 V for 3 phase power
- Minimum uniform length in horizontal furnace with insulation plugs fitted at 100 °C below max. temperature
- Maximum continuous operating temperature is 100 °C below maximum temperature
- Power supply: a = 1 phase (16A)+N / b = 3 phase (16A)+N / c = 3 phase (32A)+N / d = 3 phase (63A)+N