

Incubator | shaking

multi-stack, 10°C - 60°C (refrigerated), 30-250 rpm, orbital motion



Orbital motion



Wise remote



2/4 independent Jog-Shuttle controller

IQ | OQ
available
page 12 for details



WIS-ML04 with 4x universal platforms (included)

WIS-ML multi-stack, 10-60°C, orbital

Ideal for:

- multi-use and wide range of sample testing under various temperature

Features:

- space saving design for large quantity samples with 2 or 4 independent shaking speed controller
- CFC free refrigerant (R-404A)
- control of refrigerator for preventing compressor overload
- advanced shaking mechanism provides quiet shaking and precise speed control
- RS232C interface for monitoring and controlling (WireRemote)
- durable and flexible plastic flask holder(optional)
- universal platforms included (2 or 4 according to model)
- magnetic packing door with pair glass, stainless steel interior and powder-coated body
- backlight LCD display
- CE certified and unique serial number for tracing

Safety mechanism:

- overheat and over-current protection
- sensor error detection
- automatic operation stop when door opens

Controller:

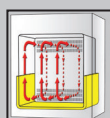
- digital fuzzy controller with **Jog-Shuttle-switch** (turn + push)

Model	WIS-ML02	WIS-ML04
Shaking stacks	2 stacks	4 stacks
Temperature range & accuracy	+10°C - 60°C, ±0.2°C at 37°C (refrigerated)	
Temperature uniformity & sensor	±1.0°C at 37°C, PT100 sensor	
Heater	1.5 kW	1.8 kW
Compressor	370 W	560 W
Shaking speed & stroke	30 - 250 rpm, 25 mm orbital motion	
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end	
Plate size	W 700 x D 600 mm	
Max. capacity of flask holder 50-100 ml	68 pcs. flask holder for 50 - 100 ml flasks (per platform)	
Max. capacity of flask holder 200-300 ml	36 pcs. flask holder for 200 - 300 ml flasks (per platform)	
Max. capacity of flask holder 500 - 1000 ml	21 pcs. flask holder for 500 - 1000 ml flasks (per platform)	
Internal dimensions (W x D x H)	700 x 700 x 1100 mm	700 x 700 x 1790 mm
External dimensions (W x D x H)	1290 x 850 x 1445 mm	1290 x 850 x 2125 mm
Packing size & gross weight	1500 x 1200 x 1750 mm, 397 kg	1500 x 1200 x 2350 mm, 555 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz	3 Phase AC 400V, 50/60 Hz
Power consumption	2,4 kW	3,2 kW
Order number 230V	DH.WIS05002	DH.WIS05004
Order number 120V	DH.WIS05102	DH.WIS05104
Order number 3 Phase	-	DH.WIS03004

Accessories: Suitable platforms, racks and flask holder can be found on page 75

Incubator | forced-air

Jog-Shuttle controller, forced-air convection, 4 chambers à 125 l, up to 70°C or 0 - 70°C



Forced-air

4 individual chambers



Jog-Shuttle controller

IQ | OQ
available
page 12 for details

WIM 70°C / 0 - 70°C, 4x 125 l

Ideal for:

- microorganism culture, animal and plant cell culture, constant temperature, germination, etc.

Features:

- forced-air flow by silent fan motor implements the highest uniformity of temperature in each chamber
- 4x125 liter chambers
- each chamber has an independent fuzzy controller for different temperature and time control
- 8x PE-coated steel wire shelves included
- corrosion resistant stainless steel chamber, powder-coated body
- tempered glass door to observe samples during incubation
- storage function for the set values of temperature and timer
- backlight LCD display
- CE & UL/CUL certified and unique serial number for tracing

Safety mechanism:

- locking mode
- overheat and over-current protection
- sensor error detection

Controller:

- digital fuzzy controller with **Jog-Shuttle-switch** (turn + push)



WIM-R4 with Jog-Shuttle controller and 8x PE-coated steel shelves (included)

Model	WIM-4	WIM-R4	WIM-RL4
Capacity	4 rooms x 125 l		
Illumination	none		2 x FRL 55 W (x 4 rooms)
Compressor	none		1/4 HP (4 x rooms)
Temperature range	room temperature +5°C - 70°C		0°C - 60°C (refrigerated)
Temperature accuracy & sensor	±0.2°C at 37°C, PT 100 sensor		
Temperature uniformity	±0.3°C at 37°C, ±0.7°C at 50°C		±0.5°C at 37°C
Heating power	4 x 500 W		4 x 650 W
Heat-up time	15 min to 37°C, 30 min to 50°C		20 min to 37°C, 30 min to 50°C
Recovery time (door open 30sec)	8 min to 37°C, 10 min to 50°C		10 min to 37°C, 12 min to 50°C
Timer & alarm	99hr 59 min (delay & continuous run), error status and timer end		
Internal dimensions (W x D x H)	500 x 500 x 500 mm (each room)		
External dimensions (W x D x H), net weight	1655 x 845 x 1710 mm, 343 kg		1655 x 845 x 1710 mm, 350 kg
Packing size & gross weight	1900 x 1050 x 1950 mm, 441 kg		1900 x 1050 x 1950 mm, 450 kg
Power supply	1 Phase AC 120V, 60 Hz or AC 230V, 50/60 Hz		3 Phase AC 400V, 50/60 Hz
Power consumption	2,6 kW	4,5 kW	4,8 kW
Order number 230V	DH.WIM04125	DH.WIM14125*	DH.WIM24125*
Order number 120V	DH.WIM05125	DH.WIM15125*	DH.WIM25125*
Order number 3 Phase	-	DH.WIM16125	DH.WIM26125

* models not available in Europe

Accessories: Suitable stainless steel and PE-coated shelves can be found on page 67