

-40°C Upright Freezers



UPQ 3001-3008 Series

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-40°C Upright Freezers UPQ 3001-3008 Series is designed with a wide voltage tolerance, applicable voltage range of 187V~242V/AC. Digital control panel for easy viewing and control of parameters. Adjustable wheels for easy installation and leveling of unit. The cooling fan is permanently lubricated for safety and longevity.

➤ **Design**

Designed with digital display, Manual Defrosting, Direct Cooling, PURF Insulation and chemically stable CFC-free environmentally safe refrigerants are used in the Freezers. Provided with lockable caster design for easy movement.

➤ **Controller System**

It is equipped with Microprocessor Temperature Controller, digital display built-in temperature probe, independent inner doors to avoid cooling leaking out and provides more stability and temperature performance.

➤ **Security System**

Equipped with safety alarms such as High/low temperature, Sensor malfunction, Temperature controller malfunction, Power off with two types of alarm indications: audible buzzing and visible flashing light. Also provided with start-delay function protecting the unit from sudden power off/on and door lock prevents unauthorized access.

➤ **Applications**

Used for long term preservation of virus, germs, vaccines, biological tissues, medicines, reagents and suitable for scientific research institution, biomedical, electronic and chemical industries.

Specifications

Model No.	UPQ 3001	UPQ 3002
Capacity	50L	268L
Temperature Range	-10°C to -40°C	-30°C to -40°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/Drawers	1 Steel Shelf	3 Steel Shelves
Refrigerant	HFC	R290
Condenser	Finned	Wire Tube
Noise	50dB	48dB
Sensor	NTC	NTC
No. of Compressors	1	1
Power Consumption (KWh/24hr)	3.5	4

Power	250W	300W
Current	2.5A	1.6A
Internal Material	Stainless Steel	Color Sprayed Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Internal Dimensions (W*D*H)	361*429*406mm	508*455*1137mm
External Dimensions (W*D*H)	540*620*1145mm	690*680*1635mm
Packaging Dimensions (W*D*H)	670*730*1300mm	760*760*1750mm
Net Weight	75kg	98.5kg
Gross Weight	95kg	118kg
Power Supply	220V/50Hz	220V/50Hz

Model No.	UPQ 3003	UPQ 3004
Capacity	278L	328L
Temperature Range	-30°C to -40°C	-30°C to -40°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/Drawers	7 Drawers	4 Shelves
Refrigerant	R290	R290
Condenser	Inside Foaming	Wire Tube
Noise	50dB	48dB
Sensor	NTC	NTC
No. of Compressors	1	1
Power Consumption (KWh/24hr)	3	4

Power	185W	300W
Current	1.6A	1.6A
Internal Material	Color Sprayed Steel	Color Sprayed Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Internal Dimensions (W*D*H)	480*415*1460mm	508*455*1393mm
External Dimensions (W*D*H)	670*640*1695mm	685*670*1900mm
Packaging Dimensions (W*D*H)	725*665*1850mm	750*760*2030mm
Net Weight	79kg	110.3kg
Gross Weight	104.5kg	132kg
Power Supply	220V/50Hz	220V/50Hz

Model No.	UPQ 3005	UPQ 3007
Capacity	936L	528L
Temperature Range	-25°C to -40°C	-20°C to -40°C
Ambient Temperature	10°C to 32°C	10°C to 32°C
No. of Shelves/Drawers	3 Shelves	9Drawers*2
Refrigerant	R404A	R290
Condenser	Copper Tube and Finned	Copper Tube
Noise	50dB	55dB
Sensor	PTC	NTC
No. of Compressors	2	2
Power Consumption (KWh/24hr)	14.5	6.7

Power	1000W	340W
Current	5.8A	3.4A
Internal Material	Stainless Steel	Color Sprayed Steel
External Material	Color Sprayed Steel	Color Sprayed Steel
Internal Dimensions (W*D*H)	1000*700*1335mm	(651*631.5*635)*2mm
External Dimensions (W*D*H)	1320*980*2100mm	910*845*1875mm
Packaging Dimensions (W*D*H)	1360*1135*2170mm	930*970*2000mm
Net Weight	372kg	151kg
Gross Weight	416kg	184kg
Power Supply	220V/50Hz	220V/50Hz

Model No.	UPQ 3008
Capacity	358L
Temperature Range	-20°C to -40°C
Ambient Temperature	10°C to 32°C
No. of Shelves/Drawers	6 Drawers*2
Refrigerant	R290
Condenser	Copper Tube
Noise	55dB
Sensor	NTC
No. of Compressors	2
Power Consumption (KWh/24hr)	5.5
Power	310W

Current	3A
Internal Material	Color Sprayed Steel
External Material	Color Sprayed Steel
Internal Dimensions (W*D*H)	(466*636*625) *2mm
External Dimensions (W*D*H)	720*830*1870mm
Packaging Dimensions (W*D*H)	780*920*1990mm
Net Weight	138kg
Gross Weight	178kg
Power Supply	220V/50Hz

Standard and Optional Accessories

Model Parameters	UPQ 3001	UPQ 3002
Power Failure Alarm	-	Yes
Filter Screen Check	-	-
Low Battery	-	-
Condenser Clean	-	-
High Ambient Temperature	-	-
Door Ajar	-	Yes
Foot	-	-
Casters	Yes	Yes
Test Hole Qty./ Diameter	Optional	Optional
USB Port	-	-
Data Logger	Optional	Optional
Power Failure Backup System (alarm)	-	8hr
Remote Alarm Port	-	Yes

Model Parameters	UPQ 3003	UPQ 3004
Power Failure Alarm	-	Yes
Filter Screen Check	-	-
Low Battery	-	-
Condenser Clean	-	-
High Ambient Temperature	-	-
Door Ajar	Yes	Yes
Foot	-	-
Casters	-	Yes
Test Hole Qty./ Diameter	-	Optional
USB Port	-	-
Data Logger	Optional	Optional
Power Failure Backup System (alarm)	-	8hr
Remote Alarm Port	-	Yes

Model Parameters	UPQ 3005	UPQ 3007
Power Failure Alarm	Yes	Yes
Filter Screen Check	Yes	-
Low Battery	Yes	-
Condenser Clean	Yes	-
High Ambient Temperature	Yes	-
Door Ajar	Yes	-
Foot	-	Yes
Casters	Yes	Yes
Test Hole Qty./ Diameter	1/18mm	2/25mm

USB Port	Yes	-
Data Logger	Optional	Optional
Power Failure Backup System (alarm)	72hr	8hr
Remote Alarm Port	Yes	Yes
Racks, Boxes and Vials	Optional (24racks, 600boxes, 60000vials)	-

Model Parameters	UPQ 3008
Power Failure Alarm	Yes
Filter Screen Check	-
Low Battery	-
Condenser Clean	-
High Ambient Temperature	-
Door Ajar	-
Foot	-
Casters	Yes
Test Hole Qty./ Diameter	2/25mm
USB Port	Yes
Data Logger	Optional
Power Failure Backup System (alarm)	72hr
Remote Alarm Port	Yes