



# Ultra-Low Temperature V.I.P.™ Freezers

- Maximised storage capacity with V.I.P.™ technology
- Safe operation with continuous condition monitor Status Alert
- Enhanced security
- Improved accessibility

## MDF-U52V MDF-U72V

### V.I.P. Evolution series -86°C



MDF-U72V



MDF-U72V

**728L** (25.7 cu.ft.)

**528** 2" inventory boxes

**576** 2" inventory boxes  
for North America only.

**280** 3" inventory boxes

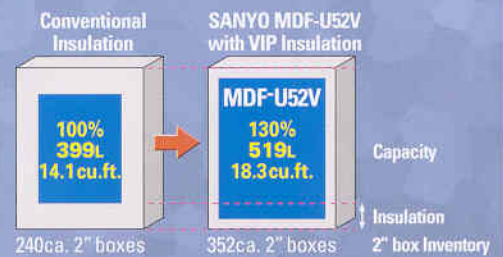


MDF-U52V

**519L** (18.3 cu.ft.)

**352** 2" inventory boxes

**224** 3" inventory boxes



# MDF-U52V/MDF-U72V

## Features

### NEW DESIGN

#### ● Evolution and Revolution

SANYO V.I.P.<sup>™</sup> Evolution Series -86°C ultra-low temperature freezers use patented revolutionary vacuum insulation cabinet construction that reduces the wall thickness from 14cm to 7cm (5.5" to 2.7") and achieves up to 30% more storage capacity than a conventionally insulated freezer without increasing the footprint. This series also combines various cutting-edge technologies to evolve and enhance user convenience.

### RELIABILITY

#### ● Status Alert (Condition monitor)

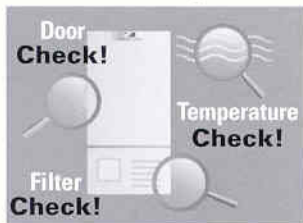
Monitors ambient and system conditions continuously and notifies of any abnormalities before a problem happens.



Status Key

#### ● Safe Storage

Super cooling technology with alarm system ensures accurate storage conditions. Insulated inner doors prevent cool air leakage.



#### ● Security

Along with a standard door lock, the new rugged outer door latch has a hole to allow a padlock to securely protect valuable samples.



Large door latch

### ACCESSIBILITY

#### ● Eagle Latch (New)

A new beak style inner door latch tightly closes the inner door against the freezer frame. It also helps make opening and closing the door smoother.



#### ● Multiple Inner Doors (New Option)

Field-installable insulated multiple inner doors greatly enhance user flexibility. Set of 2 doors. Up to 2 sets can be installed.



## Specifications

Model	MDF-U52V	MDF-U72V
Temperature range	-50°C to -86°C	
Cooling performance	-86°C (Ambient temp. 30°C)	
Exterior dimensions (mm) W x D x H (inch)	770 x 875 x 1990 30.3" x 34.4" x 78.3"	1010 x 875 x 2010 39.8" x 34.4" x 79.1"
Interior dimensions (mm) W x D x H (inch)	630 x 600 x 1380 24.8" x 23.6" x 54.3"	870 x 600 x 1400 34.3" x 23.6" x 55.1"
Net weight	304 kg (670 lbs.)	345 kg (761 lbs.)
Effective capacity	519L (18.3 cu.ft.)	728L (25.7 cu.ft.)
Refrigerant	HFC	
Alarm system	Temperature, Power failure, Filter check, Self diagnostics, Remote alarm contact, Door check, Battery check	

\*Appearance and specifications are subject to change without notice.

## Large control panel



## Options

Circular recorder  
**MTR-G85**

CO2 backup system  
**CVK-UB2**  
LN2 backup system  
**CVK-UBN2**

3 drawers (For MDF-U52V)  
**MDF-50R**

SANYO DAQ  
(Data Acquisition) system  
**MTR-480 & 2000**

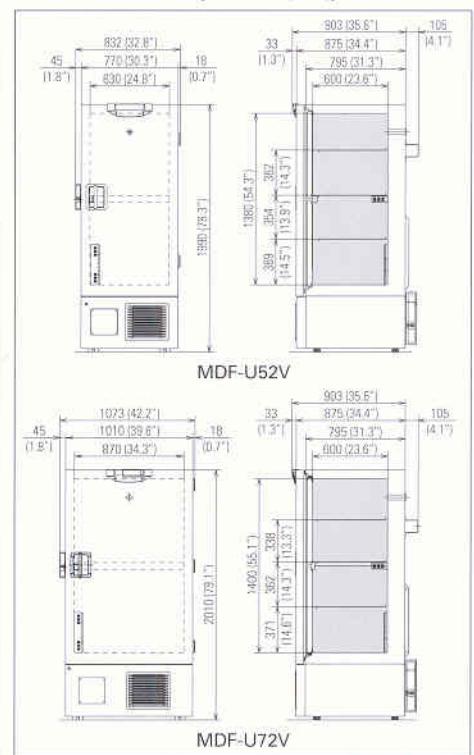
**Rack Capacity**

	MDF-U52V	MDF-U72V
IR-220U	8	12
IR-224U	8	12
(IR-312U)	(8)	(12)
(IR-316U)	(8)	(12)

Inventory rack  
**IR-224U**

Inventory rack  
**IR-220U**

## Dimensions [Unit: mm (inch)]



ISO 9001 & 14001 certified

Distributed by:

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