

## Deep Freezers

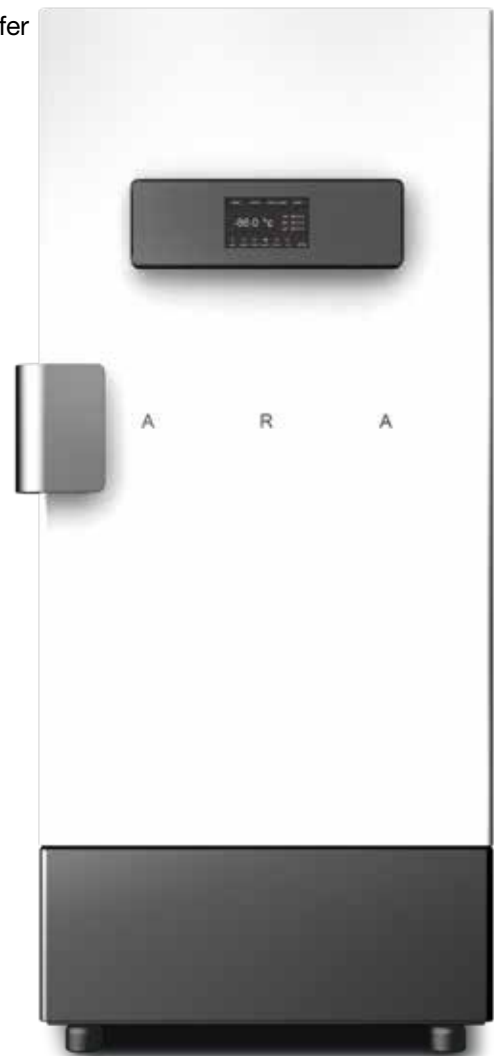
Upright Type - ARA M/MD Series

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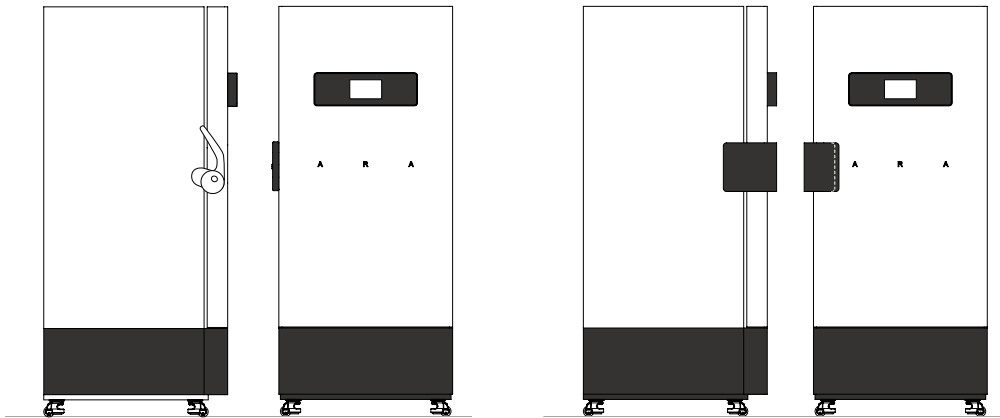
### Upright Type Deep Freezers

# ARA M/MD Series

- Fast pull-down and recovery to optimal storage temperature (500L Dual / -95°C, 700L Dual / -90°C)
- Unique pin-less Block Condenser and Independent Compressor (single or dual selectable) structures
- Failure free Dual Brain PCB and dual Independent Compressor systems
- Effortless Auto-Door with safe lock& unlock function (optional manual door is available)
- Controllable ECO mode of dual compressor model for energy saving operation
- Informative 7" display and touch screen control
- Data tracking and storage to chart recorder or through USB transfer
- Alarm warning of text message transfer to max. 5 users
- No need of dust cleaning by very simple compressor and condenser structure
- LCO<sub>2</sub> or LN<sub>2</sub> backup system is available



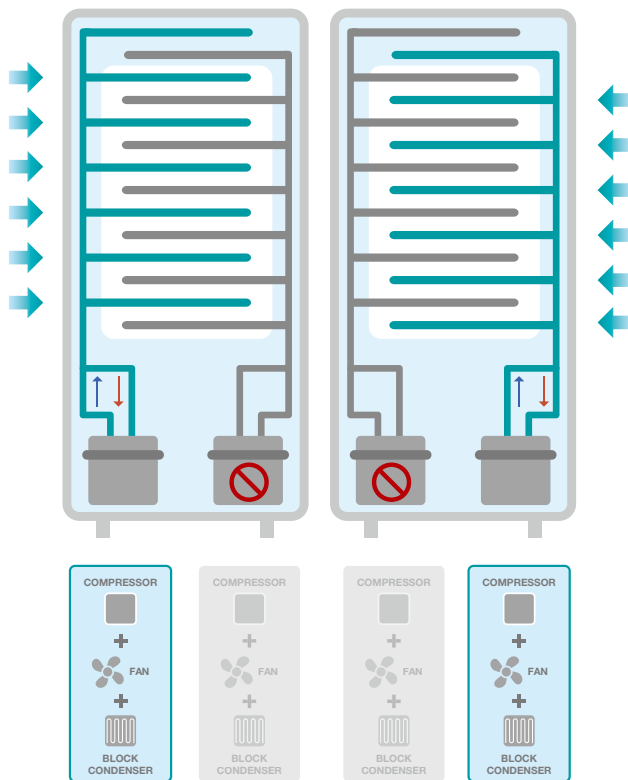
### Robust and Flexible Design of Door Handle



Manual Door

Automatic Door

### Independent Dual Compressor System



### SMART Freezing System with Block Condenser

# Deep Freezers

## Upright Type - ARA M/MD Series

### Technical Specifications

	Upright Type Deep Freezer
Capacity	85, 317, 404, 514, 732, 876 Lit.
Temperature range	-86°C / -80°C ~ -65°C or -95°C / 90°C ~ -65°C
Compressor	Hermetic Type, Single or Independent Dual Compressor (Eco mode of Dual type for economic operation)
Condenser Type	Block Condenser, No pin, Filter Free Mechanism
Refrigerant	Natural (CFC Free Refrigerant System)
Controller & Display	Failure free Dual Controller and 7" Touch Screen TFT LCD
Door	Door opening and closing by pressing a touch button on control screen (Manual Door is Optional)
Material	Internal Stainless Steel / External Powder Coated Steel Plate
Power supply	Single Phase, AC 230V, 50/60Hz (Optional AC 120V, 60Hz)



### Ordering Information

		ARA M80	ARA M300	ARA MD300	ARA M400	ARA MD400	ARA M500	ARA MD500
Capacity		85 Lit.	317 Lit.		404 Lit.		514 Lit.	
Temperature Range		-86°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C	-86°C ~ -65°C	-95°C ~ -65°C
Compressor		Single	Single	Dual, Independent	Single	Dual, Independent	Single	Dual, Independent
Rack Capacity		2 x 2 tray for freezer box	3 x 4 tray for freezer box		4 x 4 tray for freezer box			
Chamber Dimension (W x D x H, mm)	Internal	340 x 485 x 520	470 x 515 x 1,310		600 x 515 x 1,310		600 x 655 x 1,310	
	External	572 x 830 x 1,147	800 x 892 x 1,990		930 x 892 x 1,990		930 x 1,032 x 1,990	
Net Weight		102 kg	190 kg	220 kg	220 kg	260 kg	245 kg	284 kg
Power consumption	Dual Mode	321 W/h	364 W/h	364 W/h	386 W/h	386 W/h	469 W/h	469 W/h
	Eco Mode			415 W/h		461 W/h		526 W/h
Cat. No.	Auto Door	-	AMUS300	AMUD300	AMUS400	AMUD400	AMUS500	AMUD500
	Manual Door	AMUS080-M	AMUS300-M	AMUD300-M	AMUS400-M	AMUD400-M	AMUS500-M	AMUD500-M

		ARA M700	ARA MD700	ARA M870	ARA MD870
Capacity		732 Lit.		876 Lit.	
Temperature Range		-80°C ~ -65°C	-90°C ~ -65°C	-80°C ~ -65°C	-90°C ~ -65°C
Compressor		Single	Dual, Independent	Single	Dual, Independent
Rack Capacity		6 x 4 tray for freezer box			
Chamber Dimension (W x D x H, mm)	Internal	880 x 635 x 1,310		880 x 760 x 1,310	
	External	1,210 x 1,012 x 1,990		1,210 x 1,137 x 1,990	
Net Weight		285 kg	327 kg	335 kg	385 kg
Power consumption	Dual Mode	508 W/h	508 W/h	547 W/h	547 W/h
	Eco Mode		576 W/h		613 W/h
Cat. No.	Auto Door	AMUS700	AMUD700	AMUS870	AMUD870
	Manual Door	AMUS700-M	AMUD700-M	AMUS870-M	AMUD870-M

