MUF 40

COMPACT SPACE-SAVING DESIGN AND LOW NOISE LEVEL. THE PERFECT STORAGE SOLUTION FOR YOUR LABORATORY USED AS EITHER A BENCHTOP OR UNDERCOUNTER MODEL.

Integrated VIP panels improves temperature uniformity and ensures a stable running unit. Thanks to the smart design with the use of VIP panels the thickness of the walls are drastically reduced, this resulting in increased storage space.

SINGLE COMPRESSOR SYSTEM

VACUUM INSULATED PANELS

FILTERLESS CONSTRUCTION

EXCELLENT PERFORMANCE

The MUF 40 has besides the regular polyurethane foam also a layer of vacuum insulated panels (VIP). The VIP panels provides an even better insulating effect and improves temperature uniformity. It also helps provide a stable cooling performance while lowering the energy consumption.

The MUF 40 benefits from the VIP panels through reduced thickness of the walls, this results in increased storage space to fit in more of your valuable samples.

GREAT COOLING PERFORMANCE

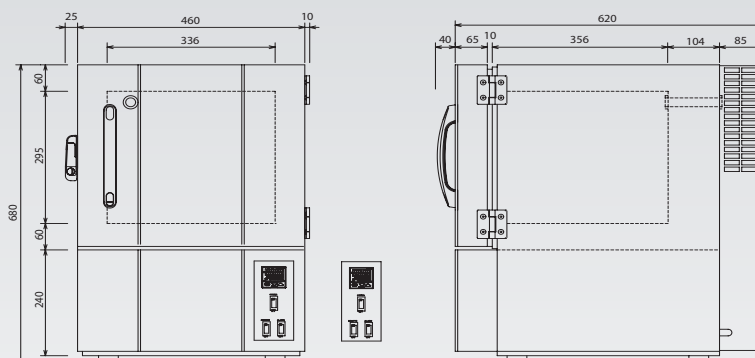The small size is achieved by utilizing Arctico's special single compressor technology.

The single compressor technology is specially designed to reduce the number of mechanical components which generates heat and noise. It comes with the same advantages as regular sized -80°C from Arctiko and is best in class in cooling performance.

CUSTOMIZED EXTRA SOLUTIONS

Even in this size Arctiko can provide a wide range of accessories for customization of the unit, though it is not required to function.
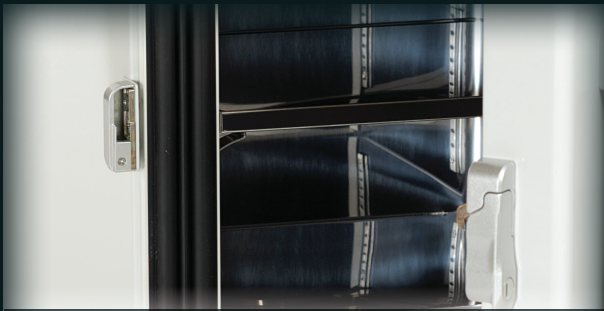
With an optional CO_2 back-up system will keep your samples cold as long as there is CO_2 available in the system – eliminating the dangers of an unstable power grid or simply bad weather.

MAIN DIMENSION FOR MUF 40

Easy accessible controller with necessary alarms such as; visual & acustic alarm, power failure alarm and probe failure alarm.

The adjustable shelf makes it easy to customize the space and can be loaded with up to 50 kg

Our boxes fits perfectly to use the full capacity and is suitable for up to 2000 samples.

OPTIONAL ACCESSORIES

Temperature chart recorder
GSM alarm module 3G/4G
CO2 backup system
Voltage converters
Voltage stabilizer
Modbus adapter
Racks & boxes
Cryo gloves
Castors

MAIN SPECIFICATIONS

Item code	DAI 1410
Temperature range (°C)	-60 / -80
Max. ambient temperature (°C)	25
Capacity (L)	35
Exterior dimensions WxDxH (mm)	495x660x680
Interior dimensions WxDxH (mm)	336x356x295
Weight (KG)	60
Insulation (mm)	100
Cooling technology	single system / static
Controller model / probe type	TTM-004 / PT100

POWER

Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (kWh/24H)	5,2
AMP (A)	1,6
Power (Watt)	318
Horse power (HP)	1/3

ALARM FUNCTIONS

Alarm display as text - not codes	no
Visual / acoustic alarm	yes / yes
Power failure alarm	yes
Adjustable high / low temperature alarm	yes / no
Open door alarm	no
Probe failure alarm	yes
Low battery alarm	no
Compressor failure alarm	no
Battery backup for alarms (approx. hrs.)	48

DATA LOGGING & EXTERNAL CONNECTION

Voltage free contact for remote alarm (e.g. GSM module)	yes
Electronic data logger	no
RS 485 port	no
USB port for software update & data download	no
Temperature chart recorder	optional

DISPLAY FEATURES

Display type	LED display
Number of optional reference probes	no
Password protection for turning unit on / off	no
Temperature graph on display	no

OTHER FEATURES

Automatic defrost	no
Vacuum release port	no
Access port for external probe etc. (int. diameter mm)	12
Light	no
Lock with key	yes
Castors (total pcs) / castors with brake (pcs)	optional / optional
Feet (pcs) / levelling feet (pcs)	0 / 4
Sub lids or inner doors (pcs)	no
Reversible door(s)	no
Fixed shelves (pcs) / adjustable shelves (pcs)	0 / 1
Max. no. shelves (pcs) / recommended max. no. shelves	3 / 3
Max. load per shelf (kg)	50
Total capacity of 50 mm boxes 9x9 didviders (pcs)	20
Total capacity of 75 mm boxes 9x9 didviders (pcs)	12
Total capacity of 96 mm boxes 9x9 didviders (pcs)	8

REFRIGERATION & CABINET

Number of compressors	1
Refrigerant	EP88
Interior cabinet material	stainless steel
Exterior cabinet material	electrogalvanized steel
Colour (exterior cabinet)	ivory
Foam type	polyurethane
VIP vacuum insulated panels	yes

SHIPPING

Shipping weight (KG)	72
Shipping dimensions WxDxH (cm)	80x60x88
Shipping volume (m³)	0,42

CE   CE 0470   SINGLE compressor system   WORLD PATENT PENDING   ISO 13485:2016 CERTIFICATION ™ Intertek   ISO 9001:2016 CERTIFICATION ™ Intertek