



Upright freezers “Templow” S, M,L and YC



APPLICATIONS

Preservation and storage of products that require to be preserved at low temperatures.

Upright freezer “Templow” S

**DIGITAL TEMPERATURE CONTROL,
FIXED TEMPERATURE: -15 °C, -18 °C, -21 °C, -25 °C AND -32 °C.
8 DRAWERS WITH INDIVIDUAL FREEZER COMPARTMENTS.**

FEATURES

Epoxy covered metallic external case.
Strong, molded, chemically resistant ABS interior.
Manual defrost with water evaporation system.
Door can be hung to open left or right.

CONTROL PANEL

Mains power ON/ OFF switch.
Temperature thermostat regulator.
Temperature indicator lamp.
Audible and visual alarms.
Push button alarm reset/stop.
Push button with quick freeze indicator.



Upright freezer “Templow” M

**TEMPERATURE RANGE FROM -14 °C TO -25 °C.
7 INDIVIDUAL FREEZER COMPARTMENTS WITH 14 BASKETS.**

FEATURES

Epoxy covered external case.
Strong, chemically resistant, ABS molded case.
Specially coated “Rilsan”, wire mesh baskets.
Manual defrost, with water evaporation system.

The door can be hung to open left or right.
Lockable door.

CONTROL PANEL

Temperature thermostat regulator.
Digital temperature display.



Upright freezer “Templow” L

**WITH FAN ASSISTED AIR CIRCULATION.
TEMPERATURE RANGE FROM -10 °C UP TO -35 °C.
COMES WITH 4 SHELVES.**

FEATURES

External and internal case made completely of AISI 304 stainless steel, with water sump and drain.
Chemically resistant.
Acclimatized hermetically sealed CFC free compressor.
Automatic defrost with electrical water evaporation system.
Regulable shelves.

Adjustable front level supports.
The door can be hung to open, left or right.
Door lock.

CONTROL PANEL

Mains power ON/ OFF switch.
Electronic temperature regulator.
Digital temperature display.



Refrigerated cabinet with double compressor “Templow” YC

**UPPER CASE: TEMPERATURES FROM 2°C UP TO 8°C. CAPACITY: 189 LITRES.
LOWER CASE: TEMPERATURES FROM -10°C UP TO -40°C. CAPACITY: 100 LITRES.
3 SHELVES AND 1 DRAWER IN UPPER CASE AND 3 DRAWERS IN LOWER CASE.**

CARACTERÍSTICAS

External case covered in epoxy.
Stainless steel internal easy for cleaning, with also stainless steel wire basket.
Double compressor that offers maximum stability and constancy of temperature.
Gradual adjustment of the trays for a versatile use of the interior.
Door with lock and key.
USB output for data recording.

CONTROL PANEL.

Digital electronic control.
Alarms of low and high temperature, door open and power failure.
Backup battery for alarms.
Upper case temperature indicator display.
Lower case temperature indicator display.
Parameters value increase/decrease.



MODELS	Part No.	Capacity litres	Range °C	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg	
TEMPLOW S	2101278	257	-15 to -32	151 44 42	184 60 63	110	81	Comes with 8 drawers
TEMPLOW M	2101279	513	-14 to -25	151 61 56	186 75 75	345	109	*Comes with 14 baskets
TEMPLOW L	2101280	600	-10 to -35	155 51 65	215 70 83	600	130	*Comes with 4 shelves
TEMPLOW YC	2101288	289	**2 to -40	- - -	183 70 64	360	136	Comes with 3 shelves and 4 drawers

*Comes with steel PVC laminated shelves and baskets. **in different compartments



Storage refrigerators “Stocklow” LS, GS and LSC

WITH FAN ASSISTED CIRCULATION.

MODEL LS, WITH METAL DOOR. TEMPERATURE CONTROLLABLE FROM +1 °C TO +8 °C.

MODEL GS, WITH DOUBLE GLAZED ANTI MIST DOOR. TEMPERATURE CONTROLLABLE FROM +1 °C TO +8 °C.

MODEL LSC, WITH METAL DOOR. TEMPERATURE CONTROLLABLE FROM -17 °C TO -22 °C.



NEW DESIGN

APPLICATIONS

Preservation and storage of products that require below ambient temperatures.

FEATURES

- Chemically resistant.
- Tropical hermetic compressor.
- Automatic defrost with electrical water evaporation system.
- Support rack and shelves.
- Adjustable front level supports (Models LS and GS).
- Supplied with wheels (Model LSC).
- The door can be hung to open left or right.
- Door lock.

There are two versions:

Stocklow LS and LSC which is completely made of metal, both interior and exterior, AISI 304 stainless steel door.

Stocklow GS inside made of AISI 304 stainless steel and epoxy white external case with glazed door that enables internal view.

CONTROL PANEL

- Mains power, ON/OFF switch.
- Electronic temperature regulator.
- Digital temperature display.
- Interior light only (Double glazed door model).

SPARE PARTS

Código **1001858** Set 2 guides + additional tray



Model Stocklow LS and LSC, with metallic door.



Model Stocklow GS, with metallic door.

MODELS	Part No.	Capacity litres	Door	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Number of shelves	Power W	Weight Kg
STOCKLOW LS	2101283	600	Metallic	154 61 63	213 73 84	3	250	120
STOCKLOW GS	2101284	600	Glass	154 61 63	213 73 84	3	250	125
STOCKLOW LSC	2101289	600	Metallic	154 61 63	213 73 84	3	500	125

Comes complete with steel shelves, PVC laminated.



Chest Freezers “Combatemp”

CONTROLLABLE TEMPERATURE RANGE FROM -14 °C TO -28 °C.

CONTROLLABLE TEMPERATURE RANGE FROM -10 °C TO -40 °C.

APPLICATIONS

Suitable for preservation and freezing of sample.

FEATURES

- Epoxy covered external case. Interior of aluminium, with guide supports for baskets or trays.
- The interior of the door is made of easy to clean, strong, chemically resistant, moulded ABS.
- Drop down lockable door with compensating support hinges. Hermetically sealed compressor, silent and vibration free.

Automatic interior light when the door is opened. (all models except Combatemp S-30.)

Digital electronic temperature control. N.T.C. Sensor.

CONTROL PANEL

- Temperature control.
- Digital live and preset temperature display.
- Push-button temperature selector.



MODELS	Part No.	Capacity litres	Freezing capacity in 24hrs Kg	Temperature up to °C	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
COMBATEMP S-30	2101040	206	28	-28	74 63 53	92 75 71	160	38
COMBATEMP L-30	2101041	343	38	-28	74 100 53	92 113 71	200	56
COMBATEMP S-40	2101181	215	30	-40	63 89 41	92 113 76	230	57
COMBATEMP L-40	2101182	352	40	-40	65 117 50	92 137 81	400	72

Note: Part No. 2101040 is supplied with 1 basket. Part No. 2101041 is supplied with 2 baskets. Part No. 2101181 is supplied with 3 baskets and Part No. 2101182 is supplied with 2 baskets.

SPARE PARTS Baskets

For Combatemp. Part No.	2101040 / 2101041	2101181	2101182
Baskets	1001810	1001811	1001812



UPRIGHT FREEZERS "GR -86"
FOR ADJUSTABLE TEMPERATURES FROM -40°C TO -86°C.
CAPACITY: 400 / 750 LITERS



FEATURES

DIGITAL CONTROL. Greater precision in temperature control. Easier to adjust the temperature range we want to achieve.

Digital touch screen, positioned at a visible level.

COMPRESSORS. Double compressor system with low noise level. In case of failure of one of them, the other is capable of maintaining inner temperature at -70°C.

100% TESTED. All condensing units are 100% tested, in a Helium chamber for possible leaks detection and elimination.

TEMPERATURE. Temperature range from -40°C to -86°C, graphical representation and USB to facilitate data collection.

ALARMS. Maximum protection thanks to visual and audible alarms due to power failure, temperature drop or rise, probe failure, door open, filter saturation and discharged battery.

CONTROL PANEL

Working temperature from -40°C to -86°C.

3.5" touch screen with graphical representation of temperatures, as well as possible safety notices.

Product temperature stability range of approx. ±1°C.

Temperature uniformity range lower than ±2°C.

PT100 temperature probe with 0.1°C accuracy.

Different types of optical and acoustic alarms: temperature fall or rise, power failure, probe failure, door open, filter saturation and discharged battery.

Remote alarm signal (potential free contact).

RS485 Modbus communication port.

USB output.

Datalogger – history of alarms, door openings and temperatures. Battery.

Control system protected by a numeric password

TECHNICAL FEATURES

EXTERIOR

External body in galvanized steel epoxy painted in white/grey.

Four wheels with height adjustable feet.

INTERIOR

Inner body in stainless steel.

Four stainless steel inner doors.

DOOR

Solid lockable door.

Handle with integrated lock, convenient for one-handed use.

Double gasket easily replaceable.

Door sensor.

Folding door.

Front document holder.

Blind door with lock and four inner doors to prevent cold losses.

ISOLATION

VIP panels (vacuum injected) to improve insulation on sides and door.

120mm water-based polyurethane insulation, injected at high pressure with CFC's at 40 Kg/m3 density.

Zero ODP and low GWP

ELECTRICITY

Electrical connection: 230V / 1 pH / 50Hz

2,5m connection cable with Schuko plug.



SHELVES

Three stainless steel shelves and four levels available for storage.

Capacity for 12 racks in 400 L model and 24 racks in 700 L model.

Box Size	400L Model	700 Model
	Box Capacity	
50 mm	240	480
75 mm	144	288
100 mm	120	240

REFRIGERATION

Double circuit cooling system with two independent compressors. In case of failure of one of them, the other is able to maintain the internal temperature at -70°C.

Hermetically sealed and low noise compressors.

Ventilated condensation system.

Static evaporation system.

Climate class 4 (30°C, 55HR).

Natural refrigerant HC gas, biodegradable, free of CFCs and HCFS.

Air filter for condenser on the lower front, washable, easy to remove

OPTIONAL EQUIPMENT

CO ₂ Back-uo	Code: 2101292
Temperature chart recorder	Code: 2101293(*)
Wifi Datalogger	Code: 2101294
Bluetooth Datalogger	Code: 2101295
5 inner doors / 4 Shelves Option	Order as variant 5 PUERTAS(*)

(*) **Must be installed at factory**

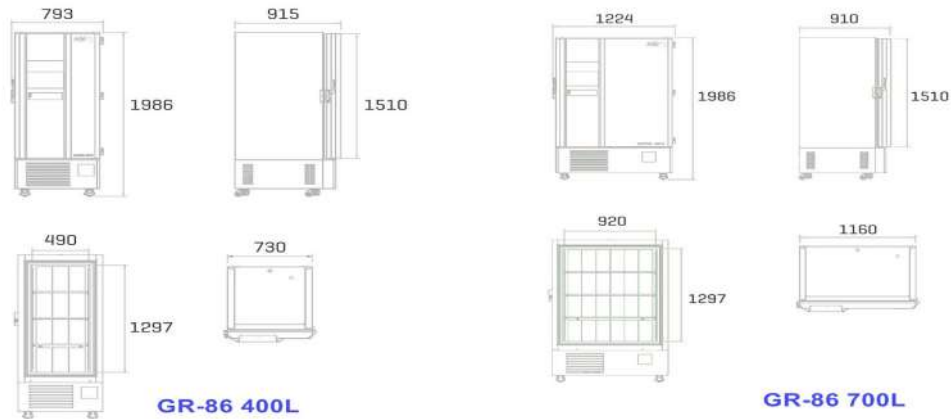


ACCESORIES

Side acces Rack for 20 (5x4) boxes of 50	Code: 1001868
Side acces Rack for 16 (4x4) boxes of 50	Code: 1001869(**)
Side acces Rack for 16 (4x4) boxes of 75	Code: 1001870
Side acces Rack for 8 (2x4) boxes of 100	Code: 1001871(**)
Side acces Rack for 12 (3x4) boxes of 100	Code: 1001872
Sliding Rack for 20 (5x4) boxes of 50	Code: 1001873
Slicing Rack for 16 (4x4) boxes of 50	Code: 1001874(**)
Cruogenic Gloves	Code: 2101296

(**) **Racks for 5 doors / 4 shelves option**

SCHEMATIC DIAGRAM



Code	Temperature Range	Capacity Liters	Power (W)	Height / Width / Depth (Internal) cm	Height / Width / Depth (External) cm	Number of Shelves	Number of Levels	Weight (Kg)
2101290	-40°C / -86°C	750	2789	130 x 92 x 62	199 x 127 x 98	3	4	311
2101297	-40°C / -86°C	400	1896	130 x 49 x 62	199 x 85 x 98	3	4	244

Voltage versions at 230V / 1pH / 60Hz or 115V / 1pH / 60Hz available on demand



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“COM-50” MODEL: PRODUCTION 58 kg-24 HOURS.
 “COM-85” MODEL: PRODUCTION 89 kg-24 HOURS.
 “COM-150” MODEL: PRODUCTION 142 kg-24 HOURS.

APPLICATIONS

For preservation and storage of analytic samples, biological tissues, cellular cultures and other applications that require maintenance of the temperature below ambient.

FEATURES

External case made of stainless steel.
 Thermal isolated inside.
 High capacity for flake ice production from running or purified water.
 Tropicalized (Class T).
 The installation of an anti-scale filter and periodic cleaning are advised in areas with medium or high limescale content (hard water)

CONTROL PANEL

Main power switch.



COM-50 Part No. 5020104



COM-85 Part No. 5020105



COM-150 Part No. 5020106



NEW DESIGN

MODELS	Código	Production Kg (24h.)	Capacity Kg (tank)	Height / Width / Depth cm	Power supply	Power W	Weight Kg
COM-50	5020104	58	20	79 47 60	220V 50Hz	470	58
COM-85	5020105	89	20	79 47 60	220V 50Hz	550	58
COM-150	5020106	142	60	136 51 55	220V 50Hz	900	75

COMPLEMENT “ICE BUCKET”

See page 189.

MAXIMUM PRESSURE LOAD: 15 TONS

FEATURES

Compact and easy to use, designed for a maximum pressure load of 15 tons, especially for pressing in chemical research laboratories and materials for preparing ceramic composite. This machine has an integrated auto return hydraulic pump.

Tablets from 6.3mm to 19mm can be compacted with the MT matrix accessory, for KBR compression technique and fluorescence analysis works. Cylinder elevation of 0-25mm.

MODEL

Part No.	Max. Pressure tons	Height / Width / Depth mm	Weight Kg	Max. Working area mm Height / Width / Depth
5810200	15	55 13 21	30	150 x 160 x 160

ACCESORIES

- Part No. 5810201 MT Matrix 12.5mm
- Part No. 5810202 MT Matrix 6.3mm
- Part No. 5810203 MT Matrix 19mm
- Part No. 5810204 MT Matrix 3.2mm



COMMON FEATURES

Specially designed for protecting and maintaining PCR* reagents, enzymes, bacteria, viruses and other biological samples cool or frozen during use. Also provides protection from temperature fluctuation, defrost cycles and freezer power failure.

Made from polycarbonate with a pre-filled chamber of non-toxic gel, complete with alphabetical identification grid in the lid.
Freezer temperature resistant down to -135 °C.
Tubes are isolated and have no contact with the cooling solution.

* Note: PCR is a registered name of Hoffman-La Roche.



“QUICK FREEZE” CONTAINER

Quick freeze container with the capacity for 12 tubes 0.5 ml or 2 ml tubes. Unique reproducible freezer system for biological samples using ethanol samples of DNA and RNA. It will maintain the interior temperature for up to 45 minutes after removal from a freezer.

Freezing speed:
2 ml solution of alcohol at -20 °C, 3 minutes.
2 ml solution of water 0 °C, 4 minutes.
Size (with lid): 95 high x 100 depth x 140mm width.
Part No. **5601050**



MINI FREEZER CONTAINERS “COOLER 1051” AND “COOLER 1052”

Cooler 1051
Freezer container at 0 °C with the capacity for 12 tubes of 0.5 to 2 ml. Alphanumeric matrix on the lid. It will maintain temperature for up to 2 to 5 hours
Size (with lid): 95 high x 100 depth x 140mm width.
Part No. **5601051**

Cooler 1052
Freezer container at 0 °C to -20 °C with a capacity for 32 tubes of 0.5 to 2 ml. Alphanumeric matrix on the lid. Double insulation body and lid that can maintain the internal temperature for a period of up to 2 hours.
Size (with lid): 105 high x 130 depth x 270 mm width.
Part No. **5601052**



MINI FREEZER CONTAINERS “COOLER 1053”

Freezer container at 0 °C with the capacity for 12 tubes of 16/17 mm Ø and 15 ml centrifuge tubes. Alphanumeric matrix on the lid. It will maintain temperature for up to 2 to 5 hours.
Size (with lid): 150 high x 140 depth x 190 mm width.
Part No. **5601053**



CONTAINER “CRYO 1 °C COOLER”

Freezer container with constant reproducible progressive cooling rate of 1 °C/min with a capacity for 18 cryo tubes of 1.2 to 2 ml
Operation: fill the container with alcohol isopropanol (C₃H₈O) and place tube rack inside replace the lid and put into a freezer.
The container can be placed in a water bath for thawing.
Capacity of C₃H₈O = 250ml
Size (with lid): 86 high x 117 mm Ø.
Part No. **5601055**



“ICE BUCKET”

Container with lid, made of double-bodied polystyrene of 2 mm thickness with thermal insulation that is chemically resistant, made from expanded polystyrene. Ideal for maintaining samples submerged in ice for short time periods. Capacity 3-5 litres.
External dimensions: 19 height x 27 width x 27 cm depth.
Internal dimensions: 17 height x 25 width x 25 cm depth.
Part No. **5601054**