



## HIGH LEVEL OF SECURITY FOR YOUR SAMPLES, DUE TO THE GREAT COOLING PERFORMANCE WITH AIR FORCED COOLING.

Automatic defrost saves you time to focus on what's most important and stores the samples safely.

## **STAINLESS STEEL**

This unit can be made in an ATEX version – approved according to EN 60079-15 category 3, zone 2. CE EX 11-/3 G.

## FLEXIBLE STORAGE SOLUTIONS

This freezers is a functional freezer with flexible storage solutions. The freezer is highly customizable allowing for maximum flexibility in frozen biologicals or other samples you store within.

This allows the user to organize their unit exactly as desired. Our universal shelf and drawer guides allow you to mix shelves and drawers for flexible storage.

## EXCEPTIONAL COOLING

Arctiko has combined the high quality cooling performance created by air-forced cooling and automatic defrosting.

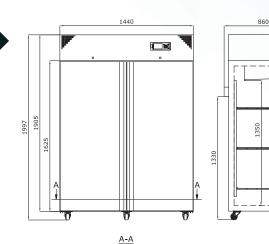
The results meet the more stringent requirements for lower power consumption, more precise cooling uniformity, need for temperature and alarm surveillance, documentation and validation, making the LF 1400 the perfect solution for biomedical storage.

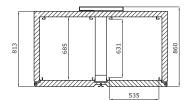




The ARCTIKO LF 1400 model supports following optional features:

- Modbus adapter for G214 controller
- Temperature chart recorder
- GSM alarm module
- Voltage converter
- Voltage stabilizer
- Stainless steel drawers
- Perforated shelf stainless steel
- Stainless steel shelf
- Wire shelf
- LED Light

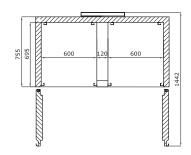






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	MODEL	LF 1400
	Item code	DAI 0275
	Temperature range (°C)	-10 / -30
su	Max. ambient temperature (°C)	25
Main specifications	Capacity (L)	1361
ecific	Exterior dimensions WxDxH (mm)	1440x860x1997
ds u	Interior dimensions WxDxH (mm)	1320x685x1505
Mai	Weight (kg)	195
	Insulation (mm)	60
	Cooling technology	forced air
	Controller model / probe type	G214 / PT1000
	Power supply (V)	230*
	Frequency (Hz)	50/60
Power	Power consumption (kWh/24h)	18.1
	AMP (A)	4.9
	Power (Watt)	964
	Horse power (HP)	1 1/4
	Alarm display as text - not codes	yes
	Visual / acoustic alarm	yes / yes
su	Power failure alarm	yes
ction	Adjustable high / low temperature alarm	yes / yes
Alarm functions	Open door alarm	yes
Marn	Probe failure alarm	yes
	Low battery alarm	yes
	Compressor failure alarm	no
	Battery backup for alarms (approx. hrs.)	72
	Voltage free contact for remote alarm (e.g. GSM alarm module)	yes
ging lor ion	Electronic data logger	yes
xteri nect	RS 485 port	yes
Data logging & external connection		
& e cor	USB port for software update & data download	yes
Cor Cor	USB port for software update & data download Temperature chart recorder	yes optional
Bata & € cor		
	Temperature chart recorder	optional
	Temperature chart recorder Display type	optional 4,3" with touch buttons
Display Datt features & cor	Temperature chart recorder Display type Number of optional reference probes	optional 4,3" with touch buttons 2
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off	optional 4,3" with touch buttons 2 yes
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display	optional 4,3" with touch buttons 2 yes yes
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost	optional 4,3" with touch buttons 2 yes yes yes
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function	optional 4,3" with touch buttons 2 yes yes yes no
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm)	optional 4,3" with touch buttons 2 yes yes yes no no no
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light	optional 4,3" with touch buttons 2 yes yes yes no no 12 no
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key	optional 4,3" with touch buttons 2 yes yes yes no no 12 no yes
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs)	optional 4,3" with touch buttons 2 yes yes yes no no 12 no yes 5/3
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs)	optional 4,3" with touch buttons 2 yes yes yes no no 12 no yes
	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs)	optional 4,3" with touch buttons 2 yes yes no no 12 no yes 5/3 no no no
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s)	optional 4,3" with touch buttons 2 yes yes no no 12 no yes 5/3 no no no no no no no no no no
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Fixed shelves (pcs) / adjustable shelves (pcs)	optional 4,3" with touch buttons 2 yes yes no no 12 no yes 5/3 no no no 0 / 6
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)	optional 4,3" with touch buttons 2 yes yes ves no no 12 no yes 5/3 no no no 0/6 46/22
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. load per shelf (kg)	optional 4,3" with touch buttons 2 yes yes no no 12 no yes 5/3 no no no no 0/6 46/22 30
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) Castors (kg)	optional 4,3" with touch buttons 2 yes yes no no 12 no 5/3 no no no 0/6 46/22 30 optional
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inter doors (pcs) Reversible door(s) Fixed shelves (pcs) / recommended max. no. of shelves (pcs) Max. no. of shelves (pcs) Max. no. of adjustable drawers (pcs)	optional 4,3" with touch buttons 2 yes yes no no 12 no 12 5/3 no no no 0/6 46/22 30 optional 16
Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inter doors (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. load per shelf (kg) Max. load per adjustable drawers (pcs) Max. load per adjustable drawers (kg)	optional           4,3" with touch buttons           2           yes           yes           no           no           12           no           yes           5/3           no           no           no           no           no           no           0/6           46/22           30           optional           16           30
Other features Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) Max. no. of adjustable drawers (pcs) Max. load per adjustable drawers (pcs) Max. load per adjustable drawers (pcs) Number of compressors	optional           4,3" with touch buttons           2           yes           yes           no           no           12           no           yes           5/3           no           no           no           no           no           no           optional           46/22           30           optional           16           30           1
Other features Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed feet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Fixed shelves (pcs) / adjustable shelves (pcs) Max. no. of shelves (pcs) Max. no. of shelves (pcs) Max. no. of adjustable drawers (pcs) Max. load per adjustable drawers (pcs) Max. load per adjustable drawers (pcs)	optional           4,3" with touch buttons           2           yes           yes           yes           yes           no           no           12           no           yes           5/3           no           no           no           0/6           46/22           30           optional           16           30           1           R290
Other features Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed steet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s) Fixed shelves (pcs) / dijustable shelves (pcs) Max. no. of shelves (pcs) Max. no. of shelves (pcs) Max. no. of adjustable drawers (pcs) Max. load per adjustable drawers (pcs) Max. load per adjustable drawer (kg) Number of compressors Refrigerant Interior cabinet material	optional           4,3" with touch buttons           2           yes           yes           yes           no           no           12           no           yes           5/3           no           no           no           o           o/6           46/22           30           optional           16           30           1           R290           stainless steel
Other features Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock with key Castors (total pcs) / castors with brake (pcs) Fixed steet (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Reversible door(s) Fixed shelves (pcs) / dijustable shelves (pcs) Max. no. of shelves (pcs) Max. no. of shelves (pcs) Max. no. of shelves (pcs) Max. load per shelf (kg) Adjustable drawers (pcs) Max. load per adjustable drawers (kg) Number of compressors Refrigerant Interior cabinet material Exterior cabinet material	optional           4,3" with touch buttons           2           yes           yes           yes           no           no           12           no           yes           5/3           no           no           no           o           o/6           46/22           30           optional           16           30           1           R290           stainless steel           painted steel
Other features Display features	Temperature chart recorder Display type Number of optional reference probes Password protection for turning unit on / off Temperature graph on display Automatic defrost Antifreeze function Vacuum release port Access port for external probe etc. (int. diameter mm) Light Lock wirk (hey Castors (total pcs) / castors with brake (pcs) Fixed set (pcs) / levelling feet (pcs) Sub lids / inner doors (pcs) Fixed set(vcs) / dijustable shelves (pcs) Max. Io. of shelves (pcs) / recommended max. no. of shelves (pcs) Max. Io. of shelves (pcs) Max. Io. of adjustable drawers (	optional           4,3" with touch buttons           2           yes           yes           yes           yes           no           no           12           no           yes           5 / 3           no           no           no           o           6           30           optional           16           30           1           R290           stainless steel           painted steel           white
Display features	Temperature chart recorder         Display type         Number of optional reference probes         Password protection for turning unit on / off         Temperature graph on display         Automatic defrost         Antifreeze function         Vacuum release port         Access port for external probe etc. (int. diameter mm)         Light         Lock with key         Castors (total pcs) / castors with brake (pcs)         Fixed feet (pcs) / levelling feet (pcs)         Sub lids / inner doors (pcs)         Reversible door(s)         Fixed shelves (pcs) / adjustable shelves (pcs)         Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)         Max. no. of adjustable drawers (pcs)         Max. load per adjustable drawers (pcs)         Number of compressors	optional           4,3" with touch buttons           2           yes           yes           yes           no           no           12           no           yes           5/3           no           no           no           o           d6/22           30           optional           16           30           1           R290           stainless steel           painted steel           white           polyurethane
Refrigeration & cabinet Other features Display features	Temperature chart recorder         Display type         Number of optional reference probes         Password protection for turning unit on / off         Temperature graph on display         Automatic defrost         Antifreeze function         Vacuum release port         Access port for external probe etc. (int. diameter mm)         Light         Lock with key         Castors (total pcs) / castors with brake (pcs)         Fixed feet (pcs) / levelling feet (pcs)         Sub lids / inner doors (pcs)         Reversible door(s)         Fixed shelves (pcs) / adjustable shelves (pcs)         Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)         Max. no. of shelves (pcs)         Max. no. of adjustable drawers (pcs)         Max. no. of adjustable drawers (pcs)         Max. no. of adjustable drawers (pcs)         Max. load per adjustable drawers (pcs)         Number of compressors	optional           4,3" with touch buttons           2           yes           yes           yes           yes           no           no           12           no           yes           5 / 3           no           no           no           o           6           0 / 6           46 / 22           30           optional           16           30           1           R290           stainless steel           painted steel           white           polyurethane           no
Refrigeration & cabinet Other features Display features	Temperature chart recorder         Display type         Number of optional reference probes         Password protection for turning unit on / off         Temperature graph on display         Automatic defrost         Antifreeze function         Vacuum release port         Access port for external probe etc. (int. diameter mm)         Light         Lock with key         Castors (total pcs) / castors with brake (pcs)         Fixed feet (pcs) / levelling feet (pcs)         Sub lids / inner doors (pcs)         Reversible door(s)         Fixed shelves (pcs)/ adjustable shelves (pcs)         Max. no. of shelves (pcs)         Max. no. of shelves (pcs)         Max. load per shelf (kg)         Aacjustable drawers (pcs)         Max. load per adjustable drawers (pcs)         Max. load per adjustable drawer (kg)         Number of compressors         Refrigerant         Interior cabinet material         Colour (exterior cabinet)         Foam type         VIP vacuum insulated panels         Shipping weight (kg)	optional           4,3" with touch buttons           2           yes           yes           yes           no           no           12           no           yes           5/3           no           no           no           o           6           30           1           R290           stainless steel           painted steel           white           polyurethane           no           78
Other features Display features	Temperature chart recorder         Display type         Number of optional reference probes         Password protection for turning unit on / off         Temperature graph on display         Automatic defrost         Antifreeze function         Vacuum release port         Access port for external probe etc. (int. diameter mm)         Light         Lock with key         Castors (total pcs) / castors with brake (pcs)         Fixed feet (pcs) / levelling feet (pcs)         Sub lids / inner doors (pcs)         Reversible door(s)         Fixed shelves (pcs) / adjustable shelves (pcs)         Max. no. of shelves (pcs) / recommended max. no. of shelves (pcs)         Max. no. of shelves (pcs)         Max. no. of adjustable drawers (pcs)         Max. no. of adjustable drawers (pcs)         Max. no. of adjustable drawers (pcs)         Max. load per adjustable drawers (pcs)         Number of compressors	optional           4,3" with touch buttons           2           yes           yes           yes           yes           no           no           12           no           yes           5 / 3           no           no           no           o           6           0 / 6           46 / 22           30           optional           16           30           1           R290           stainless steel           painted steel           white           polyurethane           no

\*110V/60Hz available as option

CERTIFICATES

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