

PLURIS

ITALIAN RETAIL 



COOLBOOK
LAB 2021 ver.01

PHARMA-LAB TECHNICAL SOLUTION

STANDARD CONTROLLER WITH WI-FI, DATA STORAGE IN CLOUD AND BACKUP BATTERY

Electronic controller with wi-fi, data storage in cloud and backup battery. Wi-Fi recorder of alarms and temperature. USB port available on request

ADVANCED CONNECTIVITY

USB port for downloading the temperature control data and parameter settings. Ethernet Wi-Fi devices as standard and 3G (optional) complete the global connectivity between devices to CLOUD for monitoring and teleservice functionality via browser (PC or smartphone)



Standard controller with datalogger wi-fi

KIT COMPLIANCE WITH DIN 58345 AVAILABLE

For all products in the Pharma-lab line is available an kit of comply with DIN 58345,.

ENVIRONMENTALLY FRIENDLY REFRIGERATION

We only use environmentally friendly refrigerant gas for our products. The use of R290 refrigerant gas has a low energy consumption and its use does not damage the ozone layer

AUTOMATIC DEFROST AND AUTO-EVAPORATION

Thanks to location of condensed' water basin close to "hot" parts of cooling unit the water is evaporated automatically and there is no need in additional heating elements.

LED LIGHTING

Glass doors of upright cabinets are equipped with LED lighting which is the best solution available in terms of power savings, life-time of parts and total appearance.

OPTIMAL TEMPERATURE DISTRIBUTION

The fans stop automatically at the opening of the door to avoid introduce air at room temperature. Indirect ventilation guarantees one perfect temperature throughout the room by gently acting on the product

CYCLOPENTHANE INSULATION 60MM

Ciclopentane High density foamed in place environmentally friendly. Kyoto Protocol Compliant: ODP = 0 (Ozone Depletion Potential) GWP = 3 (Global Warming Potential) polyurethane keeps energy costs low.

HOT GAS DEFROST

The Hot Gas Defrost start utomatically whenblast chilling is completed, to eliminate the ice on the evaporator ensuring maximum efficiency during the next cycle.

FREQUENCY 60 HZ AND VOLTAGE 115 V AVAILABLE

All our products can be equipped with 220-240 V / 60 Hz or 115-120 V / 50 Hz systems. Available on request

Interactive datalogger touch screen available on request


DATALOGGER TOUCH SCREEN

The touch screen controller (optional) allows you to connect the entire range of products to the internet. This system offers the best management of all data and all events (alarms, blackouts, door opening / closing, faults, etc.).


DOOR LOCK WITH KEYS AND DATALOGGER USB

Door lock with keys as standard. Temperature datalogger with USB port (Available on request. In this case the WI FI datalogger will no longer be available)


EASY CLEANING AND MAINTENANCE

Rounded corner internal for easy cleaning. The evaporator compartment can be inspected for cleaning and maintenance.


REMOVABLE DOOR GASKETS

Removable (magnetic) door gaskets for easy cleaning or maintenance


ADJUSTABLE POWDER COATED STEEL SHELF

All models have an internal structure compatible with GN 2/1 trays. Removable without tools


PROTECTED REFRIGERATION UNIT

The protection is made of sturdy prepainted steel wire (optional). As standard for the North American market.


TROPICALIZED COMPACT REFRIGERATION UNIT (MONOBLOCK)

Tropicalized Compact Refrigerating Units, designed for ambient temperatures from +16°C to +40°C. Use of natural gases, environment friendly, R290


STAINLESS STEEL CASTORS

Stainless steel castors with brake as standard for all models


REMOTE ALARM CONTACT

The remote alarm contact allows you to connect a PSTN or GSM telephone dialer (optional) to alert the operator if the refrigerator is in alarm. In case of power failure, door opening / closing, faults, etc.


STAINLESS STEEL DRAWERS

Stainless steel drawers with multiple partitions or polycarbonate drawers with full extension, available on request


ELECTRONIC REPROGRAMMABLE LOCK

For access control available on request. The history key may download anytime all your login information on locks and bring them back on management software


PASS-THROUGH HOLE MM 32

Pass-through hole with cap, diam. mm 32 for the passage of cables or probes

SOLID DOOR REFRIGERATORS RANGE +2° +15°C



Standard controller
with datalogger wi-fi



Upright cabinets with solid doors

Model	PL-PGM07CBBPCBHE-A	PL-PGM07CSSPCBHE-A	PL-PGM09CBBPCBHE-A
Dimensions exterior WxDxH (mm)	720x800x2120	720x800x2120	850x950x2060
Capacity (L)	700	700	900
Dimensions interior WxDxH (mm)	600x665x1520	600x665x1520	600x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	+2°+15°	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	290	290	470
Weight (KG)	115	115	115
Shipping weight (KG)	130	130	130
Shipping dimensions WxDxH (mm)	800x910x2210	800x910x2210	910x105x2260
No. of compressors.	1	1	1
Doors	1	1	1
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	3	3
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated
Refrigerant	R290	R290	R290

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SOLID DOOR REFRIGERATORS

RANGE +2° +15°C


Upright cabinets with solid doors

Model	PL-PGM09CSSPCBHE-A	PL-PGM14CBBPCBHE-A	PL-PGM14CSSPCBHE-A
Dimensions exterior WxDxH (mm)	850x950x2060	1440x800x2120	1440x800x2120
Capacity (L)	900	1400	1400
Dimensions interior WxDxH (mm)	600x665x1520	1320x665x1520	1320x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	+2°+15°	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	470	470	470
Weight (KG)	115	202	202
Shipping weight (KG)	130	217	217
Shipping dimensions WxDxH (mm)	910x105x2260	1500x860x2280	1500x860x2280
No. of compressors.	1	1	1
Doors	1	2	2
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	6	6
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290	R290

SOLID DOOR REFRIGERATORS

RANGE +2° +15°C



Upright cabinets with solid doors

Model	PL-PGM21CBBPCBHE-A	PL-PGM21CSSPCBHE-A
Dimensions exterior WxDxH (mm)	2160x800x2120	2160x800x2120
Capacity (L)	2100	2100
Dimensions interior WxDxH (mm)	2040x665x1520	2040x665x1520
Insulation (mm)	60	60
Temperature range (°C)	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz
Power consumption (W)	800	800
Weight (KG)	315	315
Shipping weight (KG)	340	340
Shipping dimensions WxDxH (mm)	2200x840x2280	2200x840x2280
No. of compressors.	1	1
Doors	3	3
Automatic defrost and evaporation	yes	yes
Castors	yes	yes
Chart recorder	optional	optional
Shelves (pcs)	9	9
Lighting	yes	yes
Lock	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290

MAXI PHARMA-LAB

SOLID DOOR FREEZERS

RANGE -10° -25°C


Upright cabinets with solid doors

Model	PL-PGB07CBBPCBHE-A	PL-PGB07CSSPCBHE-A	PL-PGB09CBBPCBHE-A
Dimensions exterior WxDxH (mm)	720x800x2120	720x800x2120	850x950x2060
Capacity (L)	700	700	700
Dimensions interior WxDxH (mm)	600x665x1520	600x665x1520	600x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	-10°-25°	-10°-25°	-10°-25°
Temperature factory setting (°C)	-20°	-20°	-20°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	500	500	500
Weight (KG)	115	115	115
Shipping weight (KG)	130	130	130
Shipping dimensions WxDxH (mm)	800x910x2210	800x910x2210	910x105x2260
No. of compressors.	1	1	1
Doors	1	1	1
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	3	3
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated
Refrigerant	R290	R290	R290

SOLID DOOR FREEZERS

RANGE -10° -25°C



Upright cabinets with solid doors

Model	PL-PGB09CSSPCBHE-A	PL-PGB14CBBPCBHE-A	PL-PGB14CSSPCBHE-A
Dimensions exterior WxDxH (mm)	850x950x2060	1440x800x2120	1440x800x2120
Capacity (L)	700	1400	1400
Dimensions interior WxDxH (mm)	600x665x1520	1320x665x1520	1320x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	-10°-25°	-10°-25°	-10°-25°
Temperature factory setting (°C)	-20°	-20°	-20°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	500	750	750
Weight (KG)	115	202	202
Shipping weight (KG)	130	217	217
Shipping dimensions WxDxH (mm)	910x105x2260	1500x860x2280	1500x860x2280
No. of compressors.	1	1	1
Doors	1	2	2
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	6	6
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290	R290

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SOLID DOOR FREEZERS

RANGE -10° -25°C


Upright cabinets with solid doors

Model	PL-PGB21CBBPCBHE-A	PL-PGB21CSSPCBHE-A
Dimensions exterior WxDxH (mm)	2160x800x2120	2160x800x2120
Capacity (L)	2100	2100
Dimensions interior WxDxH (mm)	2040x665x1520	2040x665x1520
Insulation (mm)	60	60
Temperature range (°C)	-10°-25°	-10°-25°
Temperature factory setting (°C)	-20°	-20°
Temperature setting accuracy (°C)	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz
Power consumption (W)	600	600
Weight (KG)	315	315
Shipping weight (KG)	340	340
Shipping dimensions WxDxH (mm)	2200x840x2280	2200x840x2280
No. of compressors.	2	2
Doors	3	3
Automatic defrost and evaporation	yes	yes
Castors	yes	yes
Chart recorder	optional	optional
Shelves (pcs)	9	9
Lighting	yes	yes
Lock	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290

GLASS DOOR REFRIGERATORS RANGE +2° +15°C

Standard



Internal LED lighting: energy efficient, long life of components, "Cold" temperature of light and excellent appearance.



Upright cabinets with solid doors

Model	PL-PGM07GBBPCBHE-A	PL-PGM07GSSPCBHE-A	PL-PGM09GBBPCBHE-A
Dimensions exterior WxDxH (mm)	720x800x2120	720x800x2120	850x950x2060
Capacity (L)	700	700	700
Dimensions interior WxDxH (mm)	600x665x1520	600x665x1520	600x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	+2°+15°	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	290	290	470
Weight (KG)	115	115	115
Shipping weight (KG)	130	130	130
Shipping dimensions WxDxH (mm)	800x910x2210	800x910x2210	910x105x2260
No. of compressors.	1	1	1
Doors	1	1	1
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	3	3
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated
Refrigerant	R290	R290	R290

MAXI PHARMA-LAB

GLASS DOOR REFRIGERATORS

RANGE +2° +15°C


Upright cabinets with solid doors

Model	PL-PGM09GSSPCBHE-A	PL-PGM14GBBPCBHE-A	PL-PGM14GSSPCBHE-A
Dimensions exterior WxDxH (mm)	850x950x2060	1440x800x2120	1440x800x2120
Capacity (L)	700	1400	1400
Dimensions interior WxDxH (mm)	600x665x1520	1320x665x1520	1320x665x1520
Insulation (mm)	60	60	60
Temperature range (°C)	+2°+15°	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz	50Hz
Power consumption (W)	470	470	470
Weight (KG)	115	202	202
Shipping weight (KG)	130	217	217
Shipping dimensions WxDxH (mm)	910x105x2260	1500x860x2280	1500x860x2280
No. of compressors.	1	1	1
Doors	1	2	2
Automatic defrost and evaporation	yes	yes	yes
Castors	yes	yes	yes
Chart recorder	optional	optional	optional
Shelves (pcs)	3	6	6
Lighting	yes	yes	yes
Lock	yes	yes	yes
Interior and Exterior material	Stainless Steel AISI304	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290	R290

SLIDING GLASS DOOR REFRIGERATORS RANGE +2° +15°C



Upright cabinets with solid doors		
Model	PL-PGM14GBBPCBHE-A	PL-PGM14GSSPCBHE-A
Dimensions exterior WxDxH (mm)	1440x800x2120	1440x800x2120
Capacity (L)	1400	1400
Dimensions interior WxDxH (mm)	1320x665x1520	1320x665x1520
Insulation (mm)	60	60
Temperature range (°C)	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz
Power consumption (W)	470	470
Weight (KG)	202	202
Shipping weight (KG)	217	217
Shipping dimensions WxDxH (mm)	1500x860x2280	1500x860x2280
No. of compressors.	1	1
Doors	2	2
Automatic defrost and evaporation	yes	yes
Castors	yes	yes
Chart recorder	optional	optional
Shelves (pcs)	6	6
Lighting	yes	yes
Lock	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290

MAXI PHARMA-LAB

GLASS DOOR REFRIGERATORS

RANGE +2° +15°C


Upright cabinets with solid doors

Model	PL-PGM21GBBPCBHE-A	PL-PGM21GSSPCBHE-A
Dimensions exterior WxDxH (mm)	2160x800x2120	2160x800x2120
Capacity (L)	2100	2100
Dimensions interior WxDxH (mm)	2040x665x1520	2040x665x1520
Insulation (mm)	60	60
Temperature range (°C)	+2°+15°	+2°+15°
Temperature factory setting (°C)	+4,5°	+4,5°
Temperature setting accuracy (°C)	0,1°C	0,1°C
Ambient temperature range (°C)	+16°C +40°C	+16°C +40°C
Type of cooling unit	Monoblock	Monoblock
Power supply (V)	220V/240V	220V/240V
Frequency (Hz)	50Hz	50Hz
Power consumption (W)	600	600
Weight (KG)	315	315
Shipping weight (KG)	340	340
Shipping dimensions WxDxH (mm)	2200x840x2280	2200x840x2280
No. of compressors.	2	2
Doors	3	3
Automatic defrost and evaporation	yes	yes
Castors	yes	yes
Chart recorder	optional	optional
Shelves (pcs)	9	9
Lighting	yes	yes
Lock	yes	yes
Interior and Exterior material	In hot-dip galvanised steel, anticorrosion treated and white PVC film coated	Stainless Steel AISI304
Refrigerant	R290	R290

PHARMACEUTICAL, MEDICAL AND LABORATORY

STANDARD CONTROLLER



for remote monitoring



Data storage in the cloud



Battery Back-up



Alarms are shown, recorded and automatically sent by the Cloud



User accounts with different permissions



Pluris Cloud is a monitoring and control system, easily accessible from laptops, tablets and smartphones. Access is via a normal browser with no need to install additional software. Indispensable in case of problems, the technician can remotely check all the parameters and possibly correct them directly from his office without going to the site.

FEATURES OF STANDARD ELECTRONIC CONTROLLER

End user interface	Display LED
Resolution (°C)	0,1
Maximum Number of Probes	3
Led Light, 75% power saving	yes
Acoustic alarm	yes
WI-FI interface	yes
Hot gas advanced defrost	yes

ALARMS AND FAILURES (ACOUSTIC AND VISUAL)

Alarm "power failure"	yes
Alarm "high / low temperature"	yes
Alarm "open door"	yes
Alarm "sensor fault"	yes
Alarm "Clogged condenser"	yes
Alarm (events) recording (data logger of events and temperature)	yes

SAFETY

Rechargeable back-up batteries	yes
Volt-free contact for remote monitoring	yes
Freezing and overheating safety device	yes

OPTIONALS

Temperature datalogger with USB port (Available only without Wi Fi)	optional
RS 485 interface (Available only without Wi Fi)	optional
Electric digital key lock	optional
Gsm module	optional



PHARMACEUTICAL, MEDICAL AND LABORATORY

PLT TOUCH

(available on request)

FEATURES OF DST TOUCH ELECTRONIC CONTROLLER

End user interface	Display TFT Touch 4,3"
Resolution (°C)	0,1
Probes (NTC or PT100)	yes
Led Light, 75% power saving	yes
Acoustic alarm	yes
Night & Day function	yes
Hot gas defrost, without power consumption	yes

ALARMS AND FAILURES (ACOUSTIC AND VISUAL)

Alarm "power failure"	yes
Alarm "high / low temperature"	yes
Alarm "open door"	yes
Alarm "sensor fault"	yes
Alarm "Clogged condenser"	yes
High condensing temp. - Low evaporator temp.	yes
Alarms and Temperatures datalogger	yes

SAFETY

Volt-free contact for remote monitoring	yes
Rechargeable back-up batteries (up to 12 h)	yes

CONNECTIVITY

USB port with front access	yes
ETHERNET port	yes
RS 485 interface	yes
SIM port with front access	yes

DIAGNOSTIC

Mains tension and relays monitoring	yes
Relays outscan	yes

OPTIONALS

Electric digital key lock	optional
Gsm module	optional
WiFi module	optional
Freezing and overheating safety device	optional



PLURIS

ITALIAN RETAIL 

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