VERTRIEB DURCH:

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PM series -20°C
Morgue and Mortuary chambers

(picture of cod. 10486, PM2413 TN/9S with optional glass portholes installed)

The PM series are +20°C refrigerated indoor chambers for bodies storage. They are available from 1 to 12 bodies.

Main features of PM chambers

STANDARD WORKING TEMPERATURE: ***BT:*** **-10°C / -20°C**

FRAME
Zinc steel plate main frame made of white pre-painted prefabricated panels with grey service doors.
Inner floor with the same features as the panels and coated internally with 18/18 AISI 304 stainless stiff steel, reinforced for inner loads.
Air-condensation water's draining through suction drain.
Frontal service doors of 80W x70H cm for superimposed stretchers' collection, equipped with key lock and with net opening of 70W x 60H cm.
Anti-mist electric resistances on the door frame.
Odorless rubber gaskets.
Telescopic sliding stretchers in 18/18 AISI 304 stainless steel with rubber wheels for an easy and silent movement.

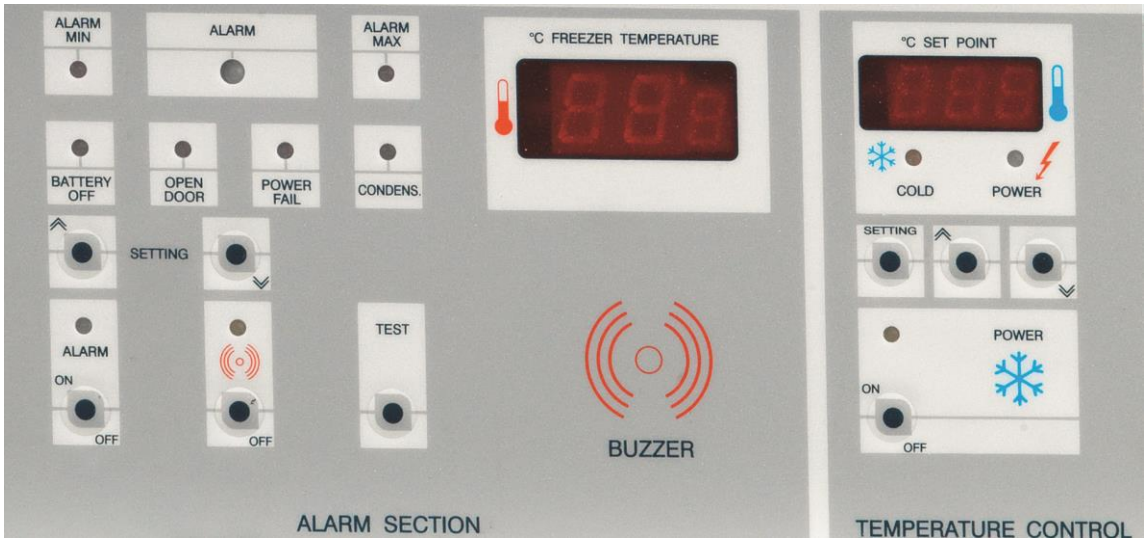
THERMAL INSULATION
By "sandwich technique" with high density expanse – injected polyurethane foam: insulation size 80 mm.

COOLING SYSTEM:
By totally sealed compressors located in the upper part of the chambers equipped with air condensing unit.
Standard features:
- Hermetic compressor 230 V +6% / -10% / 1 / 50 Hz or Semi-Hermetic compressor 400 V +6% / -10% / 3 / 50 Hz + N + G (available upon request others voltages)
- Air-condenser.
- Internal evaporator air ventilated.

DEFROSTING
Can be automatic or manual with warning light and switch located on the controls panel: water from defrosting is automatically evaporated.

REFRIGERANT
Standard R404A, allowed by the Montreal Convention and accepted as "environment friend gas" under the London amendment too.

CONTROLLER
PM' controls is performed by the E2003 microprocessor controller



Two independent sections:
1. Temperature control and regulation;
2. Alarm system handling.

Control panel is equipped with the following functions:
- ON/OFF key to switch the instrument on and off. => "ON-OFF" LED
- INTERNAL LIGHT: key to switch on the internal light. => "INTERNAL LIGHT" LED
- MANUAL DEFROSTING: key to switch on defrosting cycle manually. => "MANUAL DEFROSTING" LED
- Exercise temperature setting.
- ON/OFF electric alarm system.
- LEDs alarm system intervention (min/max temperature).
- Buzzer OFF switch.
- TEST switch for alarm system.
- ON/OFF alarm system (hidden switch).
- LEDs for cooling phase mode ON (compressor working).
- LEDs for network presence.
- Digital display for inner temperature.
- LEDs for general alarm condition.
- LEDs for battery low-breakdown.
- LEDs for lack of network.
- Digital display for temperature setting.
- Alarm codes in case of T control probes or defrost system breakdown.

Alarms:
Visual and acoustic alarms for:
- Lack of electric energy.
- Max/min inner temperature (adjustable).
- Low battery or battery failure.
- Memory full
- Remote alarms with clean contact with max voltage 2 A /250 Volts
- Alarm codes in case of probes alarm T probe breakdown.

The system is automatically power back-upped by a 12-Volt accumulator self-recharging.

ORDERING INFORMATION AND AVAILABLE MODELS

Code 10473 – PM 1201 BT/1S

Bodies capacity: ***1 with length translation***

Net sizes & weight

- External: 900W x 2260D x 1360H mm
- Internal: 740W x 2100D x 1200H mm
- Weight 245 kg

APPROX shipping sizes & weights: cm 250x150x170 h kg 250/400 (in wooden cage)

Mean energy consumption	about 0.57 KW
Voltage	208 – 252 VAC, 50 Hz (60Hz optional)(115VAC 60hz optional)
Amperage	5A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10473 – PM 1201 BT/1S:

Code	Description
10504	Stainless steel internal execution
11101	Stainless steel external execution

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Code 10475 – PM 2003 BT/2S

Bodies capacity: ***2, stacked with length translation***

Net sizes & weight

- External: 900W x 2260D x 2030H mm
- Internal: 740W x 2100D x 1870H mm
- Weight 345 kg

APPROX shipping sizes & weights: cm 250x150x210 h kg 350/550 (in wooden cage)

Mean energy consumption	about 0.6 KW
Voltage	208 – 252 VAC, 50 Hz (60Hz optional)(115VAC 60hz optional)
Amperage	5.5A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10475 – PM 2003 BT/2S:

Code	Description
10505	Stainless steel internal execution
11102	Stainless steel external execution

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Code 10491 – PM 2102 BT/2S

Bodies capacity: ***2, stacked with side translation***

Net sizes & weight

- External: 2360W x 980D x 2410H mm
- Internal: 2200W x 740D x 1900H mm
- Weight 405 kg

APPROX shipping sizes & weights: cm 260x170x200 h kg 500/700 (in wooden cage)

Mean energy consumption	about 0.6 KW
Voltage	208 – 252 VAC, 50 Hz (60Hz optional)(115VAC 60hz optional)
Amperage	5,5A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10491 – PM 2102 BT/2S:

Available on request only

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Code 10483 – PM 2405 BT/3S

Bodies capacity: ***3, stacked with length translation***

Net sizes & weight

- External: 900W x 2260D x 2730H mm
- Internal: 740W x 2100D x 2570H mm
- Weight 440 kg

APPROX shipping sizes & weights: cm 280x150x210 h kg 440/640 (in wooden cage)

Mean energy consumption	about 0.65 KW
Voltage	208 – 252 VAC, 50 Hz (60Hz optional)(115VAC 60hz optional)
Amperage	6A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10483 – PM 2405 BT/3S:

Code	Description
10506	Stainless steel internal execution
11103	Stainless steel external execution

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Code 10477 – PM 2006 BT/4S

Bodies capacity: ***4, stacked 2 x 2 with length translation***

Net sizes & weight

- External: 1800W x 2260D x 2030H mm
- Internal: 1640W x 2100D x 1870H mm
- Weight 550 kg

APPROX shipping sizes & weights: cm 250x210x220 h kg 550/780 (in wooden cage)

Mean energy consumption	about 0.65 KW
Voltage	208 – 252 VAC, 50 Hz (60Hz optional)(115VAC 60hz optional)
Amperage	6.5A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10477 – PM 2006 BT/4S:

Code	Description
10507	Stainless steel internal execution
11104	Stainless steel external execution

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Code 10479 – PM 2010 BT/6S

Bodies capacity: ***6, stacked 2H x 3W with length translation***

Net sizes & weight

- External: 2700W x 2260D x 2150H mm
- Internal: 2540W x 2100D x 1870H mm
- Weight 758 kg

APPROX shipping sizes & weights: 2 packs
1st of cm 290x210x170 h kg 400/600 (in wooden cage)
2nd of cm 210x150x160 h kg 350/500 (in wooden cage)

Mean energy consumption	about 0.75 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	3 A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10479 – PM 2010 BT/6S:

Code	Description
10509	Stainless steel internal execution
11106	Stainless steel external execution

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Code 10485 – PM 2407 BT/6S

Bodies capacity: ***6, stacked 3H x 2W with length translation***

Net sizes & weight

- External: 1800W x 2260D x 2850H mm
- Internal: 1640W x 2100D x 2570H mm
- Weight 730 kg

APPROX shipping sizes & weights: cm 280x220x225 h kg 730/1000 (in wooden cage)

Mean energy consumption	about 0.75 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	3A
Noise level	<55 dB

OPTIONAL stainless steel executions for code 10485 – PM 2407 BT/6S:

Code	Description
10508	Stainless steel internal execution
11105	Stainless steel external execution

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Code 10481 – PM 2014 BT/8S

Bodies capacity: ***8, stacked 2H x 4W with length translation***

Net sizes & weight

- External: 3600W x 2260D x 2200H mm
- Internal: 3440W x 2100D x 1870H mm
- Weight 960 kg

APPROX shipping sizes & weights: 2 packs
1st of cm 250x210x200 h kg 650/880 (in wooden cage)
2nd of cm 210x210x170 h kg 300/500 (in wooden cage)

Mean energy consumption	about 1,2 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	5A
Noise level	<55 db

OPTIONAL stainless steel executions for code 10481 – PM 2014 BT/8S:

Available on request only

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Code 10487 – PM 2413 BT/9S

Bodies capacity: ***9, stacked 3H x 3W with length translation***

Net sizes & weight

- External: 2700W x 2260D x 2900H mm
- Internal: 2540W x 2100D x 2570H mm
- Weight 988 kg

APPROX shipping sizes & weights: 2 packs
1st cm 290x210x190 h kg 750/1000 (in wooden cage)
2nd of cm 280x150x160 h kg 250/430 (in wooden cage)

Mean energy consumption	about 1,5 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	5A
Noise level	<55 db

OPTIONAL stainless steel executions for code 10487 – PM 2413 BT/9S:

Available on request only

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Code 10831 – PM 2020 BT/10S

Bodies capacity: ***10, stacked 2H x 5W with length translation***

Net sizes & weight

- External: 4500W x 2260D x 2705H mm
- Internal: 4340W x 2100D x 1870H mm
- Weight 1240 kg

APPROX shipping sizes & weights: 2 packs
1st of cm 250x210x190 h kg 900/1200 (in wooden cage)
2nd of cm 250x210x200 h kg 340/640 (in wooden cage)

Mean energy consumption	about 2 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	7A
Noise level	<60 db

OPTIONAL stainless steel executions for code 10831 – PM 2020 BT/10S:

Available on request only

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Code 10489 – PM 2416 BT/12S

Bodies capacity: ***12, stacked 3H x 4W with length translation***

Net sizes & weight

- External: 3600W x 2260D x 2900H mm
- Internal: 3440W x 2100D x 2570H mm
- Weight 1380 kg

APPROX shipping sizes & weights: 2 packs
1st of cm 250/210x200 h kg 900/1130 (in wooden cage)
2nd of cm 280x210x190 h kg 480/680 (in wooden cage

Mean energy consumption	about 2 KW
Voltage	376 – 440 VAC, 50 Hz (60Hz optional)
Amperage	7A
Noise level	<60 db

OPTIONAL stainless steel executions for code 10489 – PM 2416 BT/12S:

Available on request only

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OPTIONAL ACCESSORIES APPLICABLE TO ALL CHAMBERS OF PM SERIES

Code	Description
11350	7-days temperature chart recorder (pen + diagrams for 1 year)
12279	Kit for chart recorder (100 graph diagram and 2 pens)
10517	Porthole glass for one door (to be factory installed, buy as many as the doors of the chambers)
10518	Lateral service door 70 x 180H cm

NOTE FOR CARTS & LIFTERS

ALS offer some optional carts, lifters and other accessories suitable to be used with any ALS mortuary chamber and in general for morgue applications. For more detailed information, please watch the specific data sheets "Data sheets of carts & body lifters_Rev xx"

OTHERS TECHNICAL DATA

Product Name :	**PM series – morgue chambers for Bodies storage**
Manufacturer:	Angelantoni Life Science S.r.L. Loc. Cimacolle, 464 06056 Massa Martana (PG) - Italy
Ambient conditions of use:	Temperature: +10° ~ +30° C Relative humidity: 30 ~ 80% without condensation
Stocking condition:	Temperature: +0° ~ + 40° C Relative humidity: 20 ~ 80% without condensation
Alarms types:	Acoustic and Optical
In case of power black-out:	Compressors OFF (Controller is powered for 24-48h by a battery back-up)

Images herein provide are intended for illustration purpose only. The specifications can change without notice.

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