



TECHNOLOGY FOR LIFE

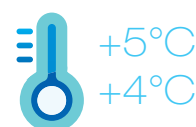
Dometic

MEDICAL SYSTEMS

Technology for Life



LR / ML I LABORATORY / MEDICINE
/ PHARMACEUTICAL REFRIGERATORS
(with solid door)



BIOMEDICAL REFRIGERATION
Innovative and reliable
refrigeration solutions

- Safe storage of temperature-sensitive preparations at +4°C / +5°C
- According to DIN 58345

www.dometic.lu

LR range



Refrigerators for the storage of laboratory and pharmaceutical preparations being subject to cold chain and temperature sensitivity (according to DIN 58345)

The product range LR offers volumes from 106 to 746 litres.

Being in conformity with the Dometic Gold Safety Standard these models even exceed official safety standards.

Models LR 250 G – 750 G are available as 220-240 V (50/60 Hz) and 115 V (60 Hz) version.

Control of the storage temperature and documentation of the temperature changes can – depending on the application – be carried out via an optional temperature recorder (in form of a circular chart recorder) or via the optional DCU, through the Monitoring & Visualization Software DMN.



The Safety Standards developed by Dometic define certain significant technical features of a product. These ensure the safe storage of the preparations as well as the trend-setting safety of the user.



The Dometic Gold Safety Standard efficiently complements the safety requirements of the Dometic Silver Safety Standard and therefore exceeds even the official standards. Gold models are denominated with a "G".



The new "green" models (denominated with a "G") convince by their technical optimizations in terms of economy and environmental protection. Characteristic features are :

- use of natural gases as refrigerants
- 40-60% less energy consumption
- up to 40% less power needed
- over 80% less heat ejection

In addition, the new "green" models stand out because of improved hold over times thanks to optimized door insulation and drastically reduced noise level for more workplace convenience.

MODEL	LR 110 G ^G	LR 250 G / G ^G	LR 410 G / G ^G	LR 490 G / G ^G	LR 750 G / G ^G
DIN 58345 (Refrigerators for drugs)	■	■	■	■	■
GMP Clean Room Class A / ISO 5 (ISO EN 14644-1)	□	□	□	□	□
Dometic Electronic	■	■	■	■	■
Key-operated power switch (power ON/OFF)	■	■	■	■	■
Safety door lock	■	■	■	■	■
Digital temperature indicator (display: 0.1 digits)	■	■	■	■	■
Controlled fan cooling system for constant temperature and even temperature distribution across the entire refrigerating chamber. Automatic fan switch-off when front door opens	■	■	■	■	■
Self-contained alarm system with integrated battery takes over the alarm function and temperature value measurements in case of power failure for at least 48 hours	■	■	■	■	■
Acoustic/visual alarm signal in case of temperature alarm and power failure	■	■	■	■	■
All relevant data of temperature alarm and power failure alarm are stored in the alarm history. Such as date and time of start and end, min. max and average temperature	■	■	■	■	■
Alarm function test: simulation of a temperature rise or drop in order to test the alarm functionality	■	■	■	■	■
Control via self-diagnostic system	■	■	■	■	■
Safety thermostat prevents dropping of the cold storage products' temperature below +2°C	■	■	■	■	■
LED lighting	■	■	■	■	■
Door opening alarm	■	■	■	■	■
Remote transmission alarm signal (via potential-free contact) in case of temperature alarm (change-over contact)	■	■	■	■	■
Remote transmission alarm signal (via potential-free contact) in case of power failure (change-over contact)	■	■	■	■	■
Automatic closing of the front door below a door opening angle of 90°	-	■	■	■	■
Interior made from stainless steel	■	■	■	■	■
Climate class (ambient temperature range) SN/T (+10°C to +43°C)	■	■	■	■	■
Smooth castors with stabilizers for optimum flexibility of movement	-	■	■	■	■
RS 485 interface for the display of all operating and control functions (hardware and software settings) via DMN monitoring software on a peripheral device (computer)	■	■	■	■	■
DMN Software package	■	■	■	■	■
DCU - Dometic Communication Unit	□	□	□	□	□

■ standard □ optional - not available



DIN 58345



Gross volume	106 l	246 l
Net volume	92 l	167 l
External dimensions (H x W x D)	820 x 560 x 580 mm	1305 x 850 x 785 mm
Inner dimensions (H x W x D)	495 x 470 x 455 mm	655 x 680 x 552 mm
Net weight (with standard equipment)	69 kg	135/131 kg
Set temperature (preset)	+4°C	+4°C
Set temperature (setting range) can be adjusted in steps of 0.5 °C	+4°C to +15°C	+4°C to +15°C
Cold alarm limit (preset)	+2°C	+2°C
Warm alarm limit (preset)	+6°C	+6°C
Control sensor	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
Precision (from -80°C to +180°C)	± 0,2°C	± 0,2°C
Display sensor, standard	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
Precision (from -80°C to +180°C)	± 0,2°C	± 0,2°C
Frequency 220-240 V	50/60 Hz	50/60 Hz
Frequency 115 V	–	60 Hz
Power 220-240 V	80 W	215 W
Power 115 V	–	295 W
Energy consumption 220-240 V	0.75 kWh/24h	1.40 kWh/24h
Energy consumption 115 V	–	1.30 kWh/24h
Heat emission 220-240 V	14 Kcal/h	26 Kcal/h
Heat emission 115 V	–	33 Kcal/h
Compressor running time 220-240 V	20%	15%
Compressor running time 115 V	–	13%
Noise level (at 1m height & 1m distance) 220-240 V	41 dB(A)	49 dB(A)
Noise level (at 1m height & 1m distance) 115 V	–	55 dB(A)
Accu data / function time of the control panel when power failure	12V – 7 AH / 48 hours	12V – 7 AH / 48 hours
Climate class (ambient temperature range)	SN/T (+10°C to +43°C)	SN/T (+10°C to +43°C)
Relative humidity range at ambient temperature	≤ 75%	≤ 75%
Defrosting technique	natural	natural
Refrigerant type	R600a	R134a
Door insulation (polyurethane), with triple insulating glass	45 mm PU + 20 mm VIP	100 mm
Casing insulation (polyurethane)	25 mm PU + 20 mm VIP	85 – 95 mm
Hold over time	130 min (from +4°C to +10°C)	228 min (from +4°C to +10°C)
Safety class	I	I
EMC directive	2004 / 108 / EEC	2004 / 108 / EEC
Low voltage directive	2006 / 95 / EEC	2006 / 95 / EEC
Material inner body	Stainless steel (V2A – 1.4301)	Stainless steel (V2A – 1.4301)
Material outer casing & door	Galvanized sheet steel (STO2Z-AZ150)	Galvanized sheet steel (STO2Z-AZ150)
Material Wire Shelves	Wire DIN 172-2, PA11 coated	Wire DIN 172-2, PA11 coated
Color outer casing	White (similar RAL 9010)	White (similar RAL 9010)
Color contrasts	Blue (similar RAL 5002)	Blue (similar RAL 5002)

Interior Equipment & Options (Concerning further information on accessories please see our separate leaflet "Racking & Storage Systems")

Standard interior equipment	Wire Shelves		
GMP - Clean room classification / A/ISO 5		2 ■	2 ■
ATEX category III, zone 2, interior (without light, only with inox wire shelves)		□	□
RS485 interface		□	–
DMN Software package		■	■
DCU LAN/WLAN		■	■
Ambient temperature sensor		□	□
Potential-free contact in case of power failure		□	□
Integrated inlet for external sensor (installed by customer)		■	■
Additional reference bottle with reference fluid and fitting		■	■
Condenser filter		□	□
Smooth castors with stabilizers for optimum flexibility of movement		–	■
LED lighting		–	■
Integrated temperature recorder in form of a circular chart recorder/recording range: -10°C to +20°C		■	■
External water cooling		for 24h or 7 days □	for 24h or 7 days □
Door hinge right		–	□
Door hinge left		–	□
Wooden packaging for ocean transport / export		–	□

■ standard / □ optional / – not available

All values were measured at +25°C ambient temperature and without load (with inertial mass).

LR 750 G / GG



408 l		489 l		746 l	
319 l		395 l		620 l	
1735 x 850 x 785 mm		1950 x 850 x 785 mm		1990 x 910 x 985 mm	
1085 x 680 x 552 mm		1300 x 680 x 552 mm		1352 x 730 x 760 mm	
167/161 kg		182/176 kg		219/213 kg	
+4°C		+4°C		+4°C	
+4°C to +15°C		+4°C to +15°C		+4°C to +15°C	
+2°C		+2°C		+2°C	
+6°C		+6°C		+6°C	
PT1000 2-WIRE 1/3DIN CL.B		PT1000 2-WIRE 1/3DIN CL.B		PT1000 2-WIRE 1/3DIN CL.B	
± 0,2°C		± 0,2°C		± 0,2°C	
PT1000 2-WIRE 1/3DIN CL.B		PT1000 2-WIRE 1/3DIN CL.B		PT1000 2-WIRE 1/3DIN CL.B	
± 0,2°C		± 0,2°C		± 0,2°C	
50/60 Hz	50 Hz	50/60 Hz	50 Hz	50/60 Hz	50 Hz
60 Hz	–	60 Hz	–	60 Hz	–
240 W	120 W	265 W	120 W	280 W	120 W
285 W	–	320 W	–	330 W	–
1.60 kWh/24h	0.95 kWh/24h	1.80 kWh/24h	1.00 kWh/24h	1.90 kWh/24h	1.10 kWh/24h
1.55 kWh/24h	–	1.90 kWh/24h	–	2.00 kWh/24h	–
31 Kcal/h	24 Kcal/h	35 Kcal/h	27 Kcal/h	48 Kcal/h	27 Kcal/h
42 Kcal/h	–	44 Kcal/h	–	57 Kcal/h	–
15%	22%	17%	25%	20%	26%
17%	–	16%	–	20%	–
51 dB(A)	42 dB(A)	51 dB(A)	42 dB(A)	51 dB(A)	42 dB(A)
55 dB(A)	–	55 dB(A)	–	55 dB(A)	–
12V – 7 AH / 48 hours		12V – 7 AH / 48 hours		12V – 7 AH / 48 hours	
SN/T (+10°C to +43°C)		SN/T (+10°C to +43°C)		SN/T (+10°C to +43°C)	
≤ 75%		≤ 75%		≤ 75%	
natural		natural		natural	
R134a	R600a	R134a	R600a	R134a	R600a
100 mm		100 mm		85 mm	
85 – 95 mm		85 – 95 mm		90 mm	
258 min (from +4°C to +10°C)		258 min (from +4°C to +10°C)		216 min (from +4°C to +10°C)	
I		I		I	
2004 / 108 / EEC		2004 / 108 / EEC		2004 / 108 / EEC	
2006 / 95 / EEC		2006 / 95 / EEC		2006 / 95 / EEC	
Stainless steel (V2A – 1.4301)		Stainless steel (V2A – 1.4301)		Stainless steel (V2A – 1.4301)	
Galvanized sheet steel (STO2Z-AZ150)		Galvanized sheet steel (STO2Z-AZ150)		Galvanized sheet steel (STO2Z-AZ150)	
Wire DIN 172-2, PA11 coated		Wire DIN 172-2, PA11 coated		Wire DIN 172-2, PA11 coated	
White (similar RAL 9010)		White (similar RAL 9010)		White (similar RAL 9010)	
Blue (similar RAL 5002)		Blue (similar RAL 5002)		Blue (similar RAL 5002)	

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ML range



Refrigerators for the storage of laboratory and pharmaceutical preparations being subject to cold chain and temperature sensitivity (according to DIN 58345)

The product range ML offers volumes from 155 to 1301 litres including one combined refrigerator/freezer model. Being in conformity with the Dometic Silver Safety Standard these models ensure a reliable and safe operation.

Control of the storage temperature and documentation of the temperature changes can – depending on the application – be carried out via an optional temperature recorder (in form of a circular chart recorder) or via the optional DCU, this through the Monitoring & Visualization Software DMN.



The Safety Standards developed by Dometic define certain significant technical features of a product. These ensure the safe storage of the preparations as well as the trend-setting safety of the user.



The Dometic Silver Safety Standard ensures the reliable and safe operation of all Dometic refrigerators and deep freezers. Safety for the stored preparations and the user. Silver models are denominated with a "S".



The new "green" models (denominated with a "G") convince by their technical optimizations in terms of economy and environmental protection. Characteristic features are :

- use of natural gases as refrigerants
- 40-60% less energy consumption
- up to 40% less power needed
- over 80% less heat ejection

In addition, the new "green" models stand out because of improved hold over times thanks to optimized door insulation and drastically reduced noise level for more workplace convenience.

MODEL	ML 155 S ^G	ML 355 S	ML 370 S ^G	ML 380 CS ^G	ML 670 S ^G	ML 1300 S
DIN 58345 (Refrigerators for drugs)	■	■	■	■	■	■
GMP Clean Room Class B / ISO 6 (ISO EN 14644-1)	□	□	□	□	□	□
Dometic Electronic	■	■	■	■	■	■
Key-operated power switch (power ON/OFF)	■	■	■	■	■	■
Safety door lock	■	■	■	■	■	■
Digital temperature indicator (display: 0.1 digits)	■	■	■	■	■	■
Controlled fan cooling system ¹ for constant temperature and even temperature distribution across the entire refrigerating chamber. Automatic switch-off when front door opens	■	■	■	■	■	■
Self-contained alarm system with integrated battery takes over the alarm function and temperature value measurements in case of power failure for at least 48 hours	■	■	■	■	■	■
Acoustic/visual alarm signal in case of temperature alarm and power failure	■	■	■	■	■	■
The alarm history on the operation and control panel stores all the relevant values during a temperature alarm, such as: min., max. and average temperature and also the duration of the alarm	■	■	■	■	■	■
Alarm function test: simulation of a temperature rise or drop in order to test the alarm system	■	■	■	■	■	■
Control via self-diagnostic system	■	■	■	■	■	■
Safety thermostat ¹ prevents dropping of the cold storage products' temperature below +2°C	■	■	■	■	■	■
Door opening alarm	■	■	■	■	■	■
Remote transmission alarm signal (via potential-free contact) in case of temperature alarm (change-over contact)	■	■	■	■	■	■
Remote transmission alarm signal (via potential-free contact) in case of power failure (change-over contact)	■	■	■	■	■	■
RS 485 interface for the display of all operating and control functions (hardware and software settings) via DMN monitoring software on a peripheral device (computer)	■	■	■	■	■	■
DMN software package	■	■	■	■	■	■
DCU - Dometic Communication Unit	□	□	□	□	□	□

■ standard □ optional – not available

¹ not for deep freezer of the refrigerator/deep freezer combination ML 380 CS^G





Gross volume	155 l	353 l
Net volume	141 l	340 l
External dimensions (H x W x D)	900 x 595 x 630 mm	1690 x 700 x 616 mm
External dimensions (H x W x D) (with mounted temperature recorder)	1075 x 595 x 630 mm	1850 x 700 x 616 mm
Inner dimensions (H x W x D)	745 x 495 x 455 mm	1460 x 605 x 473 mm
Net weight (with standard equipment)	46 kg	92 kg
Set temperature (preset)	+5°C	+5°C
Set temperature (setting range) can be adjusted in steps of 0.5 °C	+4°C to +15°C	+4°C to +15°C
Temperature cold alarm limit (preset)	+2°C	+2°C
Temperature warm alarm limit (preset)	+8°C	+8°C
Control sensor	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
Precision (from -80°C to +180°C)	± 0,2°C	± 0,2°C
Display sensor, standard (optional for model ML 355 S)	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
Precision (from -80°C to +180°C)	± 0,2°C	± 0,2°C
Voltage	220-240 V - 50Hz (10A)	220-240 V - 50Hz (10A)
Power	70 W	240 W
Energy consumption	0.54 kWh /24h	1.41 kWh /24h
Heat emission	12 Kcal/h	155 Kcal/h
Compressor running time	20%	25%
Noise level (at 1m height & 1m distance)	41 dB(A)	44 dB(A)
Accu data / function time of the control panel when power failure	12V – 7Ah / 48 hours	12V – 7Ah / 48 hours
Climate class (ambient temperature range)	SN / ST (+10°C to +38°C)	SN / ST (+10°C to +38°C)
Relative humidity	75%	75%
Defrosting technique	natural	natural
Refrigerant type	R600a	R134a
Door insulation (polyurethane)	90 mm	45 mm
Casing insulation (polyurethane)	30 – 55 mm	40 – 50 mm
Hold over time	70 min (from +5°C to +10°C)	30 min (from +5°C to +10°C)
Safety class	I	I
EMC directive	2004 / 108 / EEC	2004 / 108 / EEC
Low voltage directive	2006 / 95 / EEC	2006 / 95 / EEC
Material inner body	Polystyrene (PS)	Polystyrene (PS)
Material outer casing and door	Galvanized sheet steel (STO2Z – AZ150)	Galvanized sheet steel (STO2Z – AZ150)
Material Drawers	Stainless steel	Stainless steel (as of october 2013)
Material Wire Shelves	Wire DIN 172-2, PA11 coated	Wire DIN 172-2, PA11 coated
Color outer casing	White (similar RAL 9010)	White (similar RAL 9010)
Color contrasts	Blue (similar RAL 5002)	Blue (similar RAL 5002)

Interior Equipment & Options (Concerning further information on accessories please see our separate leaflet "Racking & Storage Systems")

Standard interior equipment	3 Wire Shelves <input checked="" type="checkbox"/>	5 Wire Shelves <input checked="" type="checkbox"/>
GMP - clean room classification / B/ISO 6	<input type="checkbox"/>	<input type="checkbox"/>
ATEX category III, zone 2, interior (without light, only with inox wire shelves)	<input type="checkbox"/>	<input type="checkbox"/>
RS 485 interface	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DMN Software package	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DCU - Dometic Communication Unit	<input type="checkbox"/>	<input type="checkbox"/>
Ambient temperature sensor	<input type="checkbox"/>	<input type="checkbox"/>
Potential-free contact in case of power failure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated inlet for external sensor (installed by customer)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Additional reference bottle with reference fluid and fitting	<input type="checkbox"/>	<input type="checkbox"/>
LED lighting	<input type="checkbox"/>	<input type="checkbox"/>
Smooth castors with stabilizers	-	-
Temperature recorder in form of a circular chart recorder / recording range: -10°C to +20 °C	Mounted, for 24h or 7 days <input type="checkbox"/>	Mounted, for 24h or 7 days <input type="checkbox"/>
Door hinge right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Door hinge left	<input type="checkbox"/>	<input type="checkbox"/>
Wooden packaging for ocean transport / export	<input type="checkbox"/>	<input type="checkbox"/>

☒ standard / ☐ optional / - not available

All values were measured at +25°C ambient temperature and without load (with inertial mass).

ML 380 CS ^G Refrigerator	ML 380 CS ^G Deep Freezer	ML 370 S ^G	ML 670 S ^G	ML 1300 S
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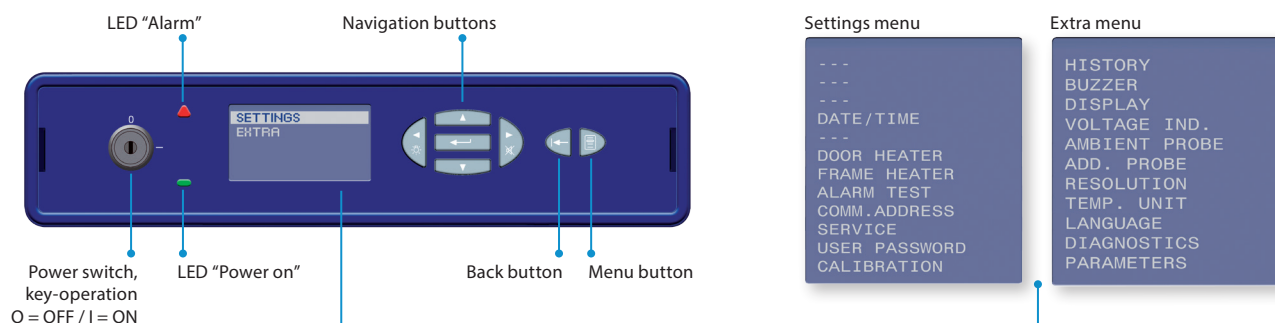
233 l	146 l	367 l	670 l	1301 l
218 l	128 l	325 l	615 l	1183 l
2030 x 595 x 625 mm	2030 x 595 x 625 mm	1830 x 595 x 625 mm	2050 x 710 x 910 mm	1980 x 1500 x 800 mm
2190 x 595 x 625 mm	2190 x 595 x 625 mm	1990 x 595 x 625 mm	-	-
934 x 525 x 482 mm	735 x 475 x 462 mm	1496 x 500 x 475 mm	1544 x 560 x 707 mm	1435 x 1350 x 645 mm
106 kg	106 kg	90 kg	152 kg	246 kg
+5°C	-35°C	+5°C	+5°C	+5°C
+4°C to +15°C	-20°C to -35°C	+4°C to +15°C	+4°C to +15°C	+4°C to +15°C
+2°C	-40°C	+2°C	+2°C	+2°C
+8°C	-30°C	+8°C	+8°C	+8°C
PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
± 0,2°C	± 0,2°C	± 0,2°C	± 0,2°C	± 0,2°C
PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B	PT1000 2-WIRE 1/3DIN CL.B
± 0,2°C	± 0,2°C	± 0,2°C	± 0,2°C	± 0,2°C
220-240 V – 50Hz (10A)	220-240 V – 50Hz (10A)	220-240 V - 50/60Hz (10A)	220-240 V – 50Hz (10A)	220-240 V – 50Hz (10A)
105 W	210 W	140 W	230 W	600 W
0.60 kWh /24h	2.10 kWh /24h	1.15 kWh /24h	1.10 kWh /24h	3.10 kWh /24h
14 Kcal/h	73 Kcal/h	30 Kcal/h	31 Kcal/h	430 Kcal/h
15%	40%	25%	16%	20%
45 dB(A)	45 dB(A)	42 dB(A)	47 dB(A)	50 dB(A)
12V – 7Ah / 48 hours	12V – 7Ah / 48 hours	12V – 7Ah / 48 hours	12V – 7Ah / 48 hours	12V – 7Ah / 48 hours
SN / ST (+10°C to +38°C)	SN / ST (+10°C to +38°C)	SN / ST (+10°C to +38°C)	SN / ST (+10°C to +38°C)	SN / ST (+10°C to +38°C)
75%	75%	75%	75%	75%
natural	manual	natural	natural	natural
R600a	R209	R600a	R134a	R134a
35 - 72 mm	35 - 72 mm	35 – 85 mm	63 mm	60 mm
32 - 35 mm	58 - 78 mm	32 – 35 mm	56 - 75 mm	75 mm
90 min (from +5°C to +10°C)	70 min (from -35°C to -18°C)	45 min (from +5°C to +10°C)	120 min (from +5°C to +10°C)	120 min (from +5°C to +10°C)
I	I	I	I	I
2004 / 108 / EEC	2004 / 108 / EEC	2004 / 108 / EEC	2004 / 108 / EEC	2004 / 108 / EEC
2006 / 95 / EEC	2006 / 95 / EEC	2006 / 95 / EEC	2006 / 95 / EEC	2006 / 95 / EEC
Styrene (SAN)	Styrene (SAN)	Styrene (SAN)	Stainless steel (V2A – 1.4301)	Stainless steel (V2A – 1.4301)
Galvanized sheet steel (STO2Z – AZ150)	Galvanized sheet steel (STO2Z – AZ150)	Galvanized sheet steel (STO2Z – AZ150)	Stainless steel (V2A – 1.4301)	Stainless steel (V2A – 1.4301)
Stainless steel	Styrene (SAN)	Stainless steel	Stainless steel	Stainless steel
Wire DIN 172-2, PA11 coated	–	Wire DIN 172-2, PA11 coated	Wire DIN 172-2, PA11 coated	Wire DIN 172-2, PA11 coated
White (similar RAL 9010)	White (similar RAL 9010)	White (similar RAL 9010)	Stainless steel (V2A – 1.4301)	Stainless steel (V2A – 1.4301)
Blue (similar RAL 5002)	Blue (similar RAL 5002)	Blue (similar RAL 5002)	Blue (similar RAL 5002)	Blue (similar RAL 5002)

4 Wire Shelves ■	4 Drawers ■	7 Wire Shelves ■	6 Wire Shelves ■	12 Wire Shelves ■
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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■	■	■	■	■
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Mounted, for 24h or 7 days <input type="checkbox"/>	Mounted, for 24h or 7 days <input type="checkbox"/>	Mounted, for 24h or 7 days <input type="checkbox"/>	Integrated, for 24h or 7 days <input type="checkbox"/>	Integrated, for 24h or 7 days <input type="checkbox"/>
■	■	■	■	■
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Dometic Electronic

The new and innovative Dometic Electronic (operation and control panel) assures thanks to its password protected settings menu optimum protection for your stored preparations.

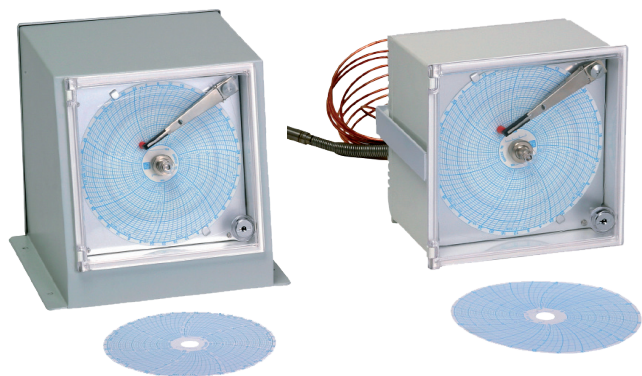
The menu structure of the modern and user-friendly graphic display offers a simple and intuitive utilization.



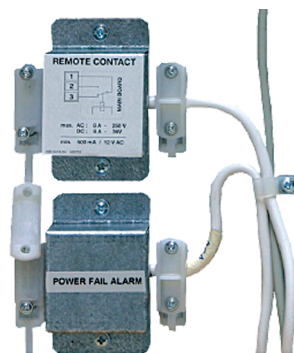
The new Dometic Electronic also offers:

- ≥ A wide range of adjustment and diagnostic facilities as well as additional protection / warning operations (via external alarm operations, histories and individual display signals).
- ≥ An optional PT100 sensor inlet to show the sensor's temperature data on the display as well as forwarding and further processing via a 4 ... 20 mA outlet.
- ≥ An optional 4...20 mA outlet to transmit temperature data of a sensor connected to the electronic.
- ≥ Connection facilities for additional (optional) temperature sensors.
- ≥ DMN (Dometic Monitoring Network) and the (optional) DCU (Dometic Communication Unit) allows illustration of texts on the product's display.

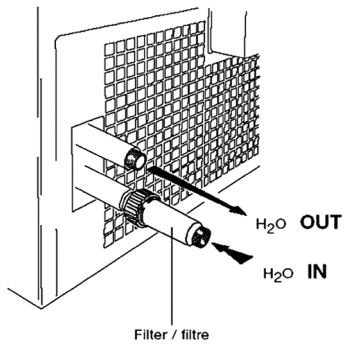
Equipment / Options (extract)



Temperature recorder (in form of a circular chart recorder) (optional, within the mounted casing for ML model range, integrated for LR model range)



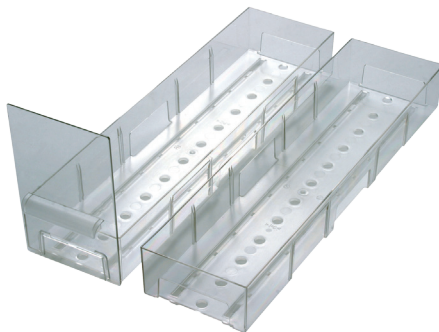
Remote temperature and power failure alarm



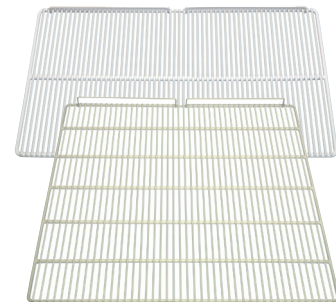
Water cooling, external (ex factory)
(optional, for LR model range 250 G/GG – 750 G/GG)



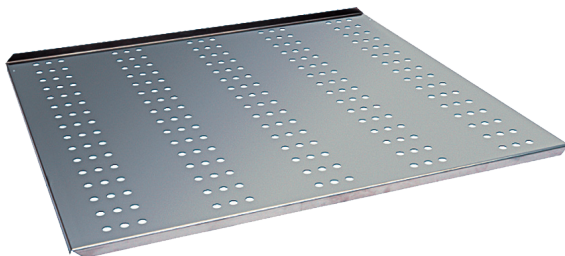
ST-Drawers with/without Front Cover, on telescopic runners with safety stop (optional, for LR model range & optional without front for models ML 670SG / ML 1300S)



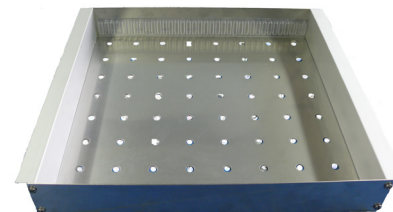
N-Racks with/without Front Cover can be subdivided into compartments (optional, for LR model range 250 G/GG – 750 G/GG)



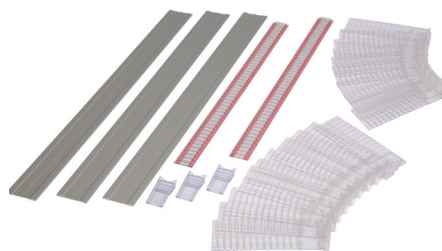
Wire Shelves in different sizes, depending on model, for all models LR & ML



ST Cover - Wire Shelf (optional, for LR model range 250 G/GG – 750 G/GG)



ST-Drawers without Front Cover, on telescopic runners with safety stop (optional, for models ML155SG - ML380CSG) (as of october for model ML 355 S)



AL-Kit (aluminium)
for ST-Drawers

DMN – Dometic Monitoring Network

Universal software for collection, long-term recording and visualization of temperature data.

- Complete activity list (password protected).
- Integrated event and activity history of all appliance components.
- Graphical visualisation of all temperature curves.
- Connection to existing or third-party appliances via network technology (LAN, WLAN, WAN).
- Simultaneous data monitoring and recording.
- Possibility for specific and individually configurable alarm forwardings, e. g. via email, SMS (with optional GSM module) or via DECT.
- Simple and intuitive utilization.
- Essential price advantage compared to a traditional circular chart recorder and its spare parts.

- Free of charge for all Dometic Gold & Silver ranges.
- Real-time temperature output for third-party software.

Your essential advantages:

- Access to the data within your entire network via one central database.
- Economy of time and money as regular changes of recorder paper, ink and battery is not necessary.



DCU – Dometic Communication Unit

Hardware module that notes all operating conditions and passes them through to a central data base – via local network, on which devices are connected.

- Interface connection of Dometic appliances to an existing network.
- The DCU offers direct connection to the Ethernet, even wireless, to the serial BUS RS 485, as well as to the central building control system (4 ... 20 mA).
- Possibility of connection of actors (4 ... 20 mA out).
- Digital IN/OUT (customer-specific use of these connections is programmable).
- The integrated USB port allows stored data to be written to an external memory stick.
- Recording and storage of relevant data of the appliance.
- The DCU replaces the paper temperature recorder.
- The DCU works with all Gold electronics from 2000 on.
- All data are recorded and saved in the data base of the DMN and are available for analysis at any time.

- Possibility of connection of several additional self-sufficient temperature sensors (up to 4 PT1000 & 2 PT100).

Your essential advantages:

- One integrative system for collecting all temperature relevant appliances and ambients.
- Many different connection facilities allow flexible upgrades for individual projects.

CON1: DC inlet
CON2: Electronic
CON3: —
CON4-6: Add. sensors

CON7: RS 232
CON8: RS 485



DMN & DCU in combination offer a highly flexible system that is adaptable to specific customer requirements

- **Complete & legally safe documentation of temperature data**
- **Comprehensive applications and diagnostic possibilities**