



Desmon
scientific
Medical & Laboratory Refrigeration



Pharma Line



Laboratory



Blood Bank



STANDARD ELECTRONIC CONTROLLER FOR LAB Series (MAXI)



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



DesmonCloud 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



STANDARD ELECTRONIC CONTROLLER FOR LAB Series (MINI - SANI)



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monitoring



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Alarms are shown, recorded and
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DesmonCloud 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
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

SAFETY

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

OPTIONALS

WI-FI interface	optional
Alarm (events) recording (data logger of events and temperature)	optional
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



DS TOUCH CONTROLLER FOR LAB Series (MAXI - SANI - MINI)

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

DST Touch

(available on request)

OPTIONALS

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





LAB MINI

“Desmon Scientific” proposes a wide range of professional refrigerators, freezers and walk-in cold rooms with operational temperatures from -25°C to $+15^{\circ}\text{C}$ for preservation pharmaceutical and diagnostic products, vaccines and sera, biological materials and conservations of industrial products. Main applications are in medical institutions and scientific research laboratories. On all products the digital thermostat with alarms and built-in data logger, door lock with key, castors and lateral through hole for probe as standard.

LAB MAXI





LAB SANI

“Desmon Scientific” propone una vasta gamma di frigoriferi professionali, congelatori e celle refrigerate con temperature di esercizio da -25°C a $+15^{\circ}\text{C}$ per la conservazione di prodotti farmaceutici e diagnostici, vaccini e sieri, materiali biologici e la conservazione di prodotti industriali. Le principali applicazioni sono nei centri medici, Ospedali, laboratori di ricerca scientifica e farmacie. Tutti i prodotti hanno di serie il termostato digitale con allarmi e datalogger incorporato, serratura con chiave, ruote e foro laterale per sonda.

BLOOD BANK





Compact Refrigeration System for TN model.
Unità refrigerante a Monoblocco sui modelli TN.

- | | |
|--------------------------|---------------------------------|
| Di serie | Standard |
| Capacità 400 litri | Capacity 400lt |
| Versioni da -25° a +15°C | Versions: chillers and freezers |
| Controllo elettronico | Electronic control |
| Evaporazione automatica | Automatic evaporation |
| Foro sonda lato sx | Pass-through hole 32mm |
| 3 griglie per porta | 3 shelves for each door |
| Porte reversibili | Reversible doors |
| Serratura con chiave | key lock |
| Guarnizioni removibili | Removable gaskets |
| Ruote con freno | Castors with brake |
| Contatto pulito | Volt-free contact |



The LAB MINI by Desmon offers 400 liter products, made in two versions: internal/ external in stainless steel and internal / external in white plasticized steel. It is possible to choose between 3 versions: refrigerator from + 2° to + 15°C (with solid or glass door), at one or two temperatures and freezer -25°C. The bottom of the unit is stamped and has rounded corners, for ease of cleaning and long life. To guarantee an effective insulation, with the lowest energy consumption, the insulation is produced with high-density polyurethane 50mm (1 ¼"), which is HCFC free in respect and for the protection of the environment. The doors are provided with a magnetic self closing system, with the maximum opening of 180°, with a door lock at 105° and they are field reversible. The condensed water clearance is automatic. The internal guides are a "C" shape to allow for easy removal of the grills; guides interaxis is of 60mm (2 ½"). The shelves are 3 for each door. Castors as standard. Available ABS feet are adjustable (from 150mm (5 ¾) to 180mm (7")).

La LAB MINI della Desmon propone prodotti 400 litri, realizzati in due versioni: interno/esterno in acciaio inox e interno/esterno in acciaio plastificato bianco. E' possibile scegliere tra 3 versioni: refrigeratore da +2° a +15°C (con porta cieca o a vetro), ad una o due temperature e freezer -25°C. Il fondo della cella è stampato ed ha gli angoli arrotondati garanzia di durata e pulizia. Allo scopo di assicurare un efficace isolamento, con il minimo consumo energetico, l'isolamento è realizzato in poliuretano ad alta densità privo di HCFCs nel rispetto e a salvaguardia dell'ambiente. Le porte sono a chiusura magnetica autochiudenti con un'apertura massima di 180° con fermo porta a 105°e sono reversibili. Lo smaltimento dell'acqua di condensa è automatico. Le guide interne sono a "C" per consentire una agevole estrazione delle griglie; il passo è da 60 mm. Le griglie in dotazione sono 3 per porta (2 sui doppia porta). Ruote H70 con freno di serie. Disponibili su richiesta piedini regolabili in altezza (da 15 a 18 cm).

DS-PSM40B

DS-PSM40GB

DS-S2M40SGB



See features on page 4
Vedi caratteristiche a pag. 4

Optional



LAB SANI

Di serie Standard

- | | |
|---------------------------------|-------------------------------------|
| Capacità 700/1400 litri | • Capacity 700/1400 lt |
| Versioni da -25° a +15°C | • Versions: chillers and freezers |
| Controllo elettronico | • Electronic control |
| Evaporazione automatica | • Automatic evaporation |
| Foro sonda lato sx | • Pass-through hole 32mm |
| 3 griglie per porta | • 3 shelves for each door |
| Porte reversibili autochiudenti | • Reversible and self-closing doors |
| Serratura con chiave | • key lock |
| Guarnizioni removibili | • Removable gaskets |
| Ruote con freno | • Castors with brake |
| Contatto pulito | • Volt-free contact |



The Desmon LAB SANI line provides products from 700lt (24 cu. ft.) to 1400lt (48 cu. ft.) of capacity, with an interior of antibacterial white powder coated steel with a monobody structure with a white powder coated steel extern. The 700lt (24 cu. ft.) model comes in 2 versions: refrigerator +2° / +15°C, freezer -25°C. The bottom of the unit is stamped and has rounded corners, for ease of cleaning and long life. To guarantee an effective insulation, with the lowest energy consumption, the insulation is produced with high-density polyurethane 50mm (1 ¼"), which is HCFC free in respect and for the protection of the environment. The doors are provided with a magnetic self closing system, with the maximum opening of 180°, with a door lock at 105° and they are field reversible. The condensed water clearance is automatic but only on the products with negative temperature. The internal guides are a "C" shape to allow for easy removal of the grills; guides interaxis is of 60mm (2 ½"). The shelves are 3 for each door. Castors with brake as standard. Available on request the ABS feet adjustable (from 150mm (5 ¾) to 180mm (7")).

La LAB SANI della Desmon propone prodotti da 700 a 1400 litri, realizzati internamente in acciaio plastificato bianco con trattamento antibatterico con struttura di tipo monoscocca con esterno in acciaio plastificato bianco. Esistono 2 versioni per ogni modello: refrigeratore da +2° a +15°C e freezer -25°C. Il fondo della cella è stampato e ha gli angoli arrotondati garanzia di durata e pulizia. Allo scopo di assicurare un efficace isolamento, con il minimo consumo energetico, l'isolamento è realizzato in poliuretano ad alta densità privo di HCFCs nel rispetto e a salvaguardia dell'ambiente. Le porte sono a chiusura magnetica autochiudenti con un'apertura massima di 180° con fermo porta a 105°e sono reversibili. Lo smaltimento dell'acqua di condensa è automatico ma solo sui prodotti a temperatura negativa. Le guide interne sono a "C" per consentire una agevole estrazione delle griglie; il passo è da 60 mm. Le griglie in dotazione sono 3 per porta. Ruote con freno di serie. Disponibili su richiesta piedini regolabili in altezza (da 15 a 18 cm).

DS-PBM7PR / DS-BB7PR DS-PBM14PR / DS-BB14PR



See features on page 4
Vedi caratteristiche a pag. 4

Optional



- Capacità 700/1400/2100 litri
- Versioni TN/BT da -25° a +16°C,
- Combinati a 2 temp.
- Unità Refrigerante a Monoblocco
- Controllo elettronico
- Foro sonda lato SX
- Evaporazione automatica acqua di condensa
- 3 griglie per porta in dotazione
- Porte reversibili autochiudenti
- Luce interna
- Serratura con chiave
- Guarnizioni removibili
- Ruote con freno
- Conatto pulito per allarme remoto



See features on page 2
Vedi caratteristiche a pag. 2

The LAB MAXI by Desmon offers 2 types of products: internal and external in Aisi 304 steel with a monocoque structure with a finely satin-finished exterior (scotch-Brite); on the "B" models, internal and external in white plasticized steel. The bottom of the cell is stamped and has rounded corners, for ease of cleaning and long life. The insulation thickness is 60mm (2 1/2") realized with high density polyurethane, which is HCFC free in respect and for the protection of the environment. The refrigerating fluid is R290, which is energy saving and highly efficient. Models from 1 to 2 temperatures. The access to the refrigeration system is made easy by the hinged cover. The doors are with a magnetic self closing system, with the largest opening of 180°, with a door lock at 105° and they are field reversible. All the refrigerated cabinets are provided with internal light and lock. The condensed water clearance is automatic. The internal guides are a "C" shape to allow for easy removal of the grills and they are anti-turnover; guides interaxis is of 60mm (2 1/2"). Available on request stainless steel drawers with dividers in aluminum. Castors with brake as standard. Available on request stainless steel feet adjustable from 150mm (5 3/4) to 180mm (7").



La LAB MAXI della Desmon propone 2 tipi di prodotti: interno ed esterno in acciaio Aisi 304 con struttura di tipo monocoocca con esterno finemente satinato (scotch-Brite); sui modelli "B" interno ed esterno in acciaio plastificato bianco. Il fondo della cella è stampato ed ha gli angoli arrotondati, garanzia di durata e pulizia. Lo spessore dell'isolamento è di 60mm realizzato in poliuretano ad alta densità ed è privo di HCFCs nel rispetto e a salvaguardia dell'ambiente. Il fluido refrigerante è R290, e consente un buon risparmio energetico ed un'ottima efficienza. Modelli da una a quattro temperature. L'accessibilità al gruppo refrigerante è facilitata grazie al cruscotto incernierato e quindi sollevabile. Le porte sono a chiusura magnetica autochiudenti con un'apertura massima di 180° con fermo porta a 105° e sono reversibili. Tutti gli armadi sono dotati di luce interna e serratura di serie. Lo smaltimento dell'acqua di condensa è automatico. Le guide interne sono a "C" per consentire una agevole estrazione delle griglie e sono antiribaltamento; il passo è da 60 mm. Su richiesta sono disponibili cassette in acciaio con divisori in alluminio. Ruote con freno di serie. Disponibili su richiesta piedini, in acciaio inox, regolabili in altezza (da 15 a 18 cm).

Double Temperature



DS-PG2M7GB



DS-PG2M7

Standard

- Capacity 700/1400/2100 litres
- Versions: chillers +2°+16°, freezers -25°C,
- Double temperatures
- Compact Refrigeration System
- Electronic control
- Pass-through hole 32mm
- Automatic evaporation of condensing water
- 3 shelves for each door
- Reversible and self-closing doors
- Internal lighth
- key lock
- Removable gaskets
- Castors with brake
- Volt-free contact for remote monitoring



Compact Refrigeration System
Unità refrigerante a Monoblocco



for remote monitoring



Data storage in the cloud



Battery Back-up



DS-PGM7GB



DS-PGM7B



DS-PGM7G - DS-PGB7G



DS-PGM7 - DS-PGB7



DS-PGM14B / DS-PGB14B



DS-PGM14GB / DS-PGB14GB



Compact Refrigeration System
Unità refrigerante a Monoblocco



DS-PGM14 / DS-PGB14



DS-PGM14G / DS-PGB14G



DS-PGM21B / DS-PGB21B



DS-PGM21GB



Compact Refrigeration System
Unità refrigerante a Monoblocco



DS-PGM21 / DS-PGB21



DS-PGM21G



FARMA Line Mini

“Desmon scientific” propone una linea di frigoriferi verticali con temperature +2°C a +15°C, porte a vetro o cieca, illuminazione interna (porta a vetro), esterno in lamiera verniciata bianca, per la conservazione di medicinali, vaccini e sospensioni. Capacità lorda da 400LT per la Mini e 700, 1400 e 2100 Lt per la Maxi.

Caratteristiche (Farma line Mini)

- Controllore elettronico HACCP
- Due Temperature (2 vani separati)
- Ventilato
- Isolamento in poliuretano espanso
- Guarnizioni porta removibili
- Interno inox (DS-S2M40GB/I)
- Due porte a vetro
- Piedini regolabili, 4 ruote
- Foro sonda lato Sx

Optionals

- WiFi per controllo remoto
- Registratore grafico
- Datalogger di temperature porta USB
- Touch Screen
- Cassetti inox con divisori

“Desmon Scientific” proposes a line of upright fridges with temperatures +2°C /+15°C, glass doors, internal lighting (glass door), white powder coated steel exterior, for conservation of medicines, vaccines and suspensions. Internal volumes are from 400lt for the Mini and 700, 1400 and 2100Lt for the Maxi.

Features (Farma line Mini)

- Electronic controller HACCP
- Double Temperature
- Ventilated
- Expanded polyurethane insulation
- Removable door gaskets
- Interior Stainless steel
- Double Glass door
- Adjustable feet, 4 Rollers
- Pass-through hole 32mm

Optionals

- WiFi for remote monitoring
- Chart Recorder
- Temperatures datalogger (USB port)
- Touch screen
- Stainless steel drawers with dividers



DS-PSM40GB

+8° +15°C

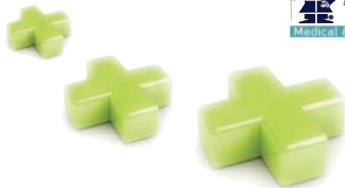


DS-PS2M40SGB

+2° +8°C

+8° +15°C

See features on page 2
Vedi caratteristiche a pag. 2



FARMA Line Maxi



for remote monitoring



Data storage in the cloud



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DS-PGM7GB

+8° +15°C



DS-PG2M7B

+2° +8°C
+8° +15°C



- Defrosting. Fully automatic
- Temperature range. +2° +6°C and factory pre-set value +4°C.
- Rounded internal corners. Easy to clean and maintain.
- LED lighting. LED lamps with automatic or manual switch
- Stainless steel interior. All upright cabinets have an interior of stainless steel which is very durable and easy to clean material.
- External structure. External structure in hot-dip galvanised steel, anti-corrosion treated and white PVC film coated.
- Door. Self-closing glass door with folding magnetic gasket on four sides for perfect closing. Right or left hand opening on request. Lock with a key.
- Drawers. Sliding drawers made of s/steel AISI304 with transparent frontal side are standard
- Back-up battery. Self-powered back-up battery to supply energy to control panel in case of power failure and therefore allowing alarms to work for up to 48 hours.
- Temperature chart recorder. Weekly temperature recording system working with 1,5V battery. It is equipped with 52 disks and a pen.
- Wheels and feet. Four one-way wheels and two stabilizing adjustable feet
- Optional. Internal dividers for drawers, SMS alerts.

BBM14G

BBM7G

BBM40XG





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



Desmon Scientific sample preparation and plasma rapid freezer. Designed for the most rigorous life science, research, healthcare, clinical, and commercial applications.

Using the DS-GBF15 for rapid cooling reduces the stress on your sample storage freezer, and freezes your plasma quickly and efficiently.

Storage Capacity: 72 Plasma Bottles 1000 ML

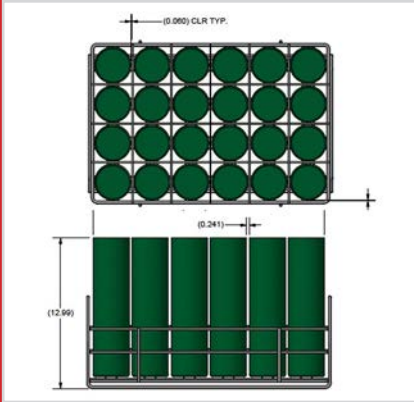
- Featuring an intelligent touchscreen microprocessor controller with digital display, password protected.
- Intelligent microprocessor touchscreen LCD display, password protected
- Cabinet and ambient air temperature displays
- Adjustable temperature control
- Audible and visual high or low temperature alarms
- Power failure audible alarm
- Door ajar audible alarm
- Low battery audible alarm
- Sensor failure alarm
- On Board Data Logger
- Magnetically sealed door gaskets
- Ten wire steel shelves
- Adjustable shelves (baskets can be ordered)
- Large casters for easy movement
- 0.75" temperature probe and data logger access port



Drawers available on request

Model	DS-GBF15
Dimensions H x W x D	Exterior: 77.4" x 31.5" x 32.9"
Temp Range	-40C
Interior Volume	15.00 cu. ft. (424.75L)
Shelves	8 shelves 3 baskets
Doors	1, right hand swing
Electrical	230V 60Hz / 3PhNEMA L15-30 AMPS 16
Shipping Weight	541lb
Installation	Built-in

3" Plasma Bottle Configuration - Per Shelf





Certified Quality

Certificazioni

Crediamo che ogni processo tendente ad rendere controllata, oggettiva e fruibile l'informazione, migliori la relationship con i nostri clienti, interni ed esterni; è la trasparenza a governare il nostro lavoro.

ISO 9002 - 9001:2000 VISION 2000

La DESMON S.p.A. ha ottenuto la certificazione del proprio sistema qualità in conformità alla normativa ISO 9002:94 nel 1999; attualmente ha ottenuto la certificazione in conformità alla norma ISO 9001:2000.

ISO 14001

Non sono tralasciati i temi legati al rispetto dell'ambiente e quindi a quelli di uno sviluppo ecosostenibile; DESMON ha ottenuto nel 2009 la certificazione in conformità alla ISO14001 del sistema di gestione ambientale; certificazione, peraltro, in possesso anche di altre aziende del gruppo.

ETL, CE e GOST

Le certificazioni ETL, CE e GOST, rispettivamente per il mercato statunitense, europeo e russo, attestano la qualità realizzativa e la sicurezza dei prodotti DESMON; nella realizzazione dei prodotti sono tempestivamente adottate, indipendentemente dalla cogenza di norme o direttive, le soluzioni che abbiano minore impatto ambientale e maggiore sicurezza per l'utilizzatore.

Certifications:

We believe that every process designed to control production and make information objective and available improves the relationship with our customers, both the internal and external ones. It's this transparency that controls our job.

ISO 9002 - 9001:2000

DESMON S.p.A. has obtained the certification of its quality system according to the law ISO 9002:94 in 1999; actually, we have obtained the certification according to ISO 9001:2000.

ISO 14001

DESMON received in 2009 the certification system in accordance with ISO14001 environmental management certification

ETL, CE e GOST (PCT)

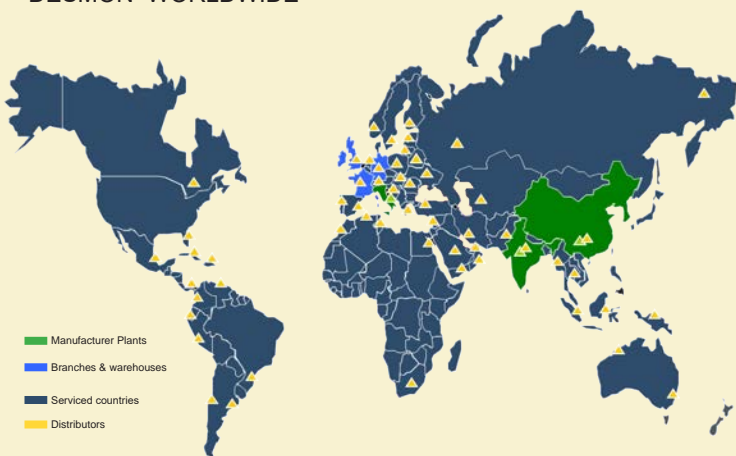
The certifications ETL, CE e GOST, respectively for the U.S., European and Russian markets, certify the quality achieved and the reliability of DESMON's products; during the implementation of our products, aside from laws and directives, we adopt the solutions that have the lower environmental impact and the greatest security for the user.





DESMON - Head Office (ITALY - Plant 1)

DESMON WORLDWIDE



DESMON - ITALY - Plant 2





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 **THE MIDDLEBY CORPORATION**



Il costruttore si riserva il diritto di apportare modifiche senza preavviso - We reserve the right to change specifications without notice - Nous réservons le droit de modifier nos produits sans préavis - Technische Änderungen vorbehalten - El constructor se reserva la facultad de aportar cambios sin aviso previo - Doğal olarak, ürünlerde yapılacak olası teknolojik yenilikler ve değişiklikleri haber vermeksizin yapma hakkımızı saklı tutmaktayız - Мы оставляем за собой право вносить изменения в спецификацию без дополнительного уведомления