



LAB Maxi - Coldrooms - ULT Freezer - Blood Bank - Farma line - Ice-makers



General
Catalogue

A DEEP EXPERIENCE IN PROFESSIONAL REFRIGERATION AND SUPERIOR ITALIAN DESIGN



Desmon S.p.A was founded in 1994 by the family De Santis as a food equipment trading company. In 1998 the company has taken over a local manufacturing company and started production of refrigeration equipment. After a few successful years the company became one of the leaders in the European market of professional refrigeration.

The main production facilities with office, laboratories and warehouse are located in Nusco, a town at the center-south of Italy, 98km from Naples' port. The production of professional refrigeration equipment is concentrated in the main factories in Italy. Other factories are situated in India and China where products intended for local markets are manufactured. Besides production facilities Desmon group includes three distribution centers in France, UK and Germany. The research-and-development company "Smartfreeze" is also a part of Desmon.

Based upon deep experience in production of professional refrigeration the company has decided to diversify its traditional range and launch a new line, "Desmon Scientific", of products designed for professional medical, pharma and laboratory cold storage and deep freezing with working temperatures from -85° to +16°C.

The quality of our products is based upon continuous technological innovation and long experience in production of professional refrigeration. All models are designed and manufactured in accordance with ISO9001:2008 standard and CE safety regulations. Desmon factories in Italy are certified by ISO14001:2004



HEAVY-DUTY UPRIGHT CABINETS, UNDERCOUNTERS AND WALK-IN COLD ROOMS -40°C TO +16°C

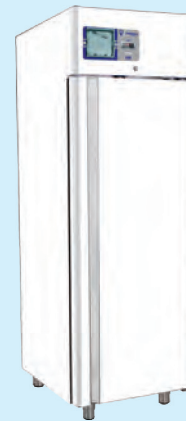
“Desmon Scientific” proposes a wide range of professional refrigerators, freezers and walk-in cold rooms with operational temperatures from -40°C to +16°C for preservation pharmaceutical and diagnostic products, vaccines and sera, biological materials and conservations of industrial products. Main applications are in medical institutions and scientific research laboratories

We clearly understand that every laboratory is different and each customer is unique. That is why our variety of refrigerators and freezers is one of the widest in the market. Every customer can choose its ideal model. Products are divided into the following series:

- Upright cabinets “LAB Pro”: an interior of stainless steel, exterior is made of white powder coated steel, 100, 80 and 60mm insulation, volumes 100, 160, 200, 220, 300, 320, 600, 180+100, cooling unit traditional and tropicalized compressor. The working temperatures are -40°C, -30°C, -25°C, +4°C and +4/-25°C
- Upright cabinets “LAB Maxi”: an interior of stainless steel, exterior is made of stainless steel or white powder coated steel, 60mm insulation, volumes 700, 1400, 2100, 350+350 and 700+700l, “monoblock” cooling unit and tropicalized compressor. The working temperatures are -25°C, +4°C and +4/-25°C
- Upright cabinets “LAB Sani” series: an interior is made of steel with antibacterial properties and exterior of white powder coated steel, 50mm insulation, volumes 700 and 1400l, traditional cooling unit and non-tropicalized compressor. The working temperatures are -25°C, +4°C.
- Upright cabinets “LAB Mini” series: an interior of stainless steel, exterior white powder coated steel, 50mm insulation, 400l, traditional cooling unit and tropicalized compressor. The working temperatures are -25°C, +4°C.
- Under counter fridges and freezers: horizontal refrigerators and freezers with a work top made of stainless steel, interior and exterior are made of stainless steel, 60mm insulation, volumes 280l (2 doors), 441 (3 doors) and 602l (4 doors). **It is an innovative solution for laboratories which allows to have a fridge (freezer) and work table in one unit!** The working temperatures are -25°C, +4°C
- Walk-in cold rooms: internal volumes from 1.86 to 45.47cub.m., T range -10°C -25°C, +2°C +8°C and +2°C +16°C, panel thicknesses 80 and 100mm, panels are made of white powder coated steel as standard or stainless steel upon request, insulation of panels with high density polyurethane CFC/ HCFC free, more than 200 models available in total.



LAB Pro



LAB Maxi



LAB Sani
(wheels optional)



LAB Mini
(wheels optional)



ENVIRONMENTALLY FRIENDLY REFRIGERATION

Energy Saving & Low Emission

HCFCs & CFCs Free

Respect for the environment is in DNA of Desmon and confirmed by decades of continuous improvement and implementation of environmentally efficient production processes. Desmon is always careful on every single step of a product life cycle, from design to disposal, having in mind an intention to reduce an impact on environment and create benefits for customers from decreasing energy costs. Desmon has obtained ISO-14001 certificate for a commitment to respect an environment on every stage of business activity.

Desmon is probably the first manufacturer of commercial refrigeration in the world using cyclopentane. Desmon products have a Cyclopentane thermoinsulation which does not damage an ozone layer and does not make a greenhouse effect. Cyclopentane replaces polyurethane foams based on HCFCs and CFCs which destroy an ozone layer and generate the greenhouse effect.

Desmon is constantly searching for new solutions to create products with a minimum negative impact on environment. Among those solutions Desmon develops a refrigeration units which will use a natural gas R290 (propane).

Desmon refrigeration equipment of "High-efficiency" line (available upon request) is heavy-duty and guarantees a high performance even in intensive work conditions, reducing environmental impact and energy consumption, up to 70%. It is possible to save up to 1,000 euros in 2 years of operations compared to other classic refrigerators available in the market. For standard range of refrigerators such features as insulation thickness, "monoblock" cooling units, LED lighting, new controller "VOPOS", etc. allows to guarantee an optimal performance and respect to environment.

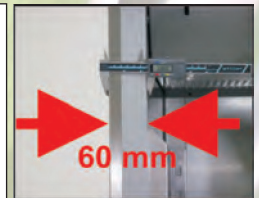
Energy is one of key factors because, for example, one Kw/h saved thanks to our innovative features means not only money savings but also 580gr of CO₂ not issued to atmosphere. In general, CO₂ emissions of Desmon products are 40% less than other products available at the market. Due to low power consumption our refrigerator produces an average of 1.36kg of CO₂ per day instead of 2.90kg of our competitors. In 1 year period every two Desmon refrigerators will free a CO₂ processing job of one tree.



LED lamps consume from 50 to 75% less energy than traditional lamps.



"Monoblock" cooling units (LAB Maxi)



Cyclopentane thermoinsulation CFC & HCFC free (LAB Maxi)



New controller "VOPOS" (LAB MAXi, LAB Sani, LAB Mini)



Ice makers

ICE MAKERS (CUBES AND FLAKES)

“Desmon Scientific” range includes 20 models of ice machines of undercounter type with bins and productivity from 18 to 179 kg of ice per day.

Range

- “Eight-sided cubes “Octallice””: 7 models (DS-EC...) with productivity from 18 to 80 kg
- “Flakes””: 5 models (DS-RF..., QF...) with an output from 90 to 179 kg a day



Features

- High load capacity bearings for enhanced reliability.
- Heavy duty stainless steel cabinet resists corrosion.
- Easy access door, slides up & out of the way.
- Extended warranty. 3year for parts and 5 years for compressor' parts (labor – 2years)



TECHNICAL SPECIFICATION ICE MAKERS FOR CUBES



Cubes							
Model	DS-EC18/AG	DS-EC20/AG	DS-EC30/AG	DS-EC40/AG	DS-EC50/AG	DS-EC65/AG	DS-EC80/AG
Dimensions exterior WxDxH (mm)	345x420x630	450x475x650	450x475x650	550x550x800	550x550x800	700x600x900	700x600x900
Productivity (Kg/day)	18	21	30	41	50	65	80
Bin capacity (Kg)	5,5	10	10	25	25	45	45
Type of cooling	air	air/water	air/water	air/water	air/water	air/water	air/water
Interior material	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene
Insulation	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane
Exterior material	s/steel	s/steel	s/steel	s/steel	s/steel	s/steel	s/steel
Refrigerant	R134A	R134A	R134A	R134A	R134A	R134A	R134A
Voltage (V)	230	230	230	230	230	230	230
Phases	1	1	1	1	1	1	1
Frequency (Hz)	50	50	50	50	50	50	50

Ice makers

TECHNICAL SPECIFICATION ICE MAKERS FOR FLAKES



Flakes					
Model	DS-RF0244	DS-RF0266	DS-RF0388	DS-RF0399	DS-QF0400
Dimensions exterior WxDxH (mm)	500x660x690	500x660x800	738x690x920	738x690x1020	660x482x825
Productivity (Kg/day)	90	90	150	150	179
Bin capacity (Kg)	20	30	40	55	36
Type of cooling	air	air	air	air	air
Interior material	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene	seamless polyethylene
Insulation	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane	CFC-free expanded polyurethane
Exterior material	s/steel	s/steel	s/steel	s/steel	s/steel
Refrigerant	R404A	R404A	R404A	R404A	R404A
Voltage (V)	230	230	230	230	230
Phases	1	1	1	1	1
Frequency (Hz)	50	50	50	50	50

GENERAL SALES CONDITIONS

1. ORDERS

ALL ORDERS ARE ACCEPTED AFTER OUR APPROVAL AND ARE SUBJECTED TO THE FOLLOWING GENERAL SALES CONDITIONS, FULLY ACCEPTED BY THE BUYER.

2. FORWARDING

THE DELIVERY DATES ARE NONBINDING AND CAN BE CHANGED BY THE SELLER, FOR EXTERNAL OR INTERNAL CAUSES.

EVENTUAL DELAY WILL NOT AUTHORISE THE CUSTOMER TO CLAIM, PRETEND COMPENSATION OR FOR RESCISSION AND MODIFICATION OF THE CONTRACT, EXCEPT IF COMPRISED IN ART. 1229 C.C. THE TRANSPORT OF THE GOODS IS AT CUSTOMER RISK, EVEN IF DELIVERED DIRECTLY TO THE USER AND THEY AREN'T ASSURED WITHOUT SPECIAL WISH OF THE CUSTOMER. THE DELIVERY IS CONSIDERED COMPLETED WITH THE LOADING OF THE GOODS, WHETHER CARRIED OUT BY THE CUSTOMER OR AN ASSIGNED CARRIER; THE SELLER DECLINES ANY RESPONSIBILITY FOR EVENTUAL DIFFERENCES, DEFORMITY OR DAMAGES INDIVIDUATED AFTER HANDING OVER THE GOODS AT THE FACTORY. ANY COMPLAINT RELATIVE TO QUANTITY, DEFECTS OR ANY OTHER REASON, MUST BE ANNOTATED ON THE CARRIAGE NOTE, OTHERWISE ANY CLAIMS WILL BE REJECTED. THE GOODS WILL BE PACKED NORMALLY, SPECIAL PACKING ON REQUEST WILL BE CHARGED.

3. PRICES

THE PRICES REFER TO THE LATEST FACTORY PRICELIST, EXCEPT FOR SPECIAL AGREEMENTS, AND MAY BE CHANGED AT ANY TIME. FOR THE ITEMS NOT INCLUDED IN THE PRICE LIST AND TO BE PRODUCE ON REQUEST (FOLLOWING USER'S DETAILED DRAWINGS AND TECHNICAL DESCRIPTION), WE'LL FORMULATE PRICES AND DELIVERY TIME IN FUNCTION OF THE QUANTITY REQUIRED. OUR PRICES ARE QUOTED EX WORKS OUR FACTORIES.

4. PAYMENT

ALL PAYMENTS MUST BE EFFECTED AT THE SELLER'S PLACE OF BUSINESS. ALL EXPENSES DUE TO EMISSION AND RETURNS OF BANK RECEIPTS WILL BE AT BUYER'S CHARGE. THE TERMS OF PAYMENT ARE ALWAYS BINDING. IN CASE OF DELAYED PAYMENT A RATE OF 7 PER CENT INTEREST WILL BE SURCHARGED, PLUS THE ACTUAL ECB INTEREST RATE OR THE RESPECTIVE CENTRAL BANKS IN CASE OF NON-EURO COUNTRIES. THE SELLER'S RIGHT TO COMPENSATION FOR BANK CHARGES, ADMINISTRATIVE OR LEGAL COSTS AND EVENTUAL THIRD PARTY COSTS REMAINS UNTOUCHED. IN CASE OF NON-FULFILMENT THE SELLER MAY TAKE ANY APPROPRIATE MEASURE TO OBTAIN COMPLETE PAYMENT, CANCELLING THE PAYMENT TERMS, AS FOR THE EFFECTS OF ART. 1186 C.C. AND ANNULLING THE CONTRACT, STOPPING ITS PROSECUTION AND DELIVERY OF GOODS IN ORDER, ALSO RELATING TO OTHER CONTRACTS, WITHOUT ANY BUYER'S COMPENSATION FOR THE CANCELLED DELIVERY.

5. GUARANTEE

OUR GUARANTEE HAS A 24 MONTHS' VALIDITY FROM DELIVERY EX WORKS AND COVERS THE MERE REPLACEMENT OF PARTS, ELECTRIC PARTS NOT INCLUDED, AND AFFECTING ONLY CONSTRUCTING FAULTS, AS DESCRIBED IN THE LETTER OF GUARANTEE. ALL GUARANTEED PARTS WILL BE SENT BY CARRIAGE FORWARD. THEY WILL BE BILLED REGULARLY. AFTER RECEIVING THE DEFECTIVE PARTS A CREDIT NOTE WILL BE MADE OUT.

6. MODIFICATIONS OF TECHNICAL CHARACTERISTICS

DIMENSIONS AND ALL TECHNICAL DATA IN CATALOGUES, OFFERS, ORDER CONFIRMATIONS AND IN THIS PRICE LIST ARE PURELY INDICATIVE.

THEY ARE SUBJECTED TO MODIFICATION WITHOUT NOTICE, IMPROVING QUALITY AND FUNCTIONALITY.

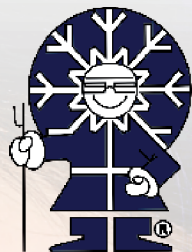
7. RESERVE OF PROPRIETARY RIGHTS

THE SELLER PRESERVES ALL PROPRIETARY RIGHTS PENDING PAYMENT IN FULL.

8. VENUE JURISDICTION

COURT OF AVELLINO, ITALY.

THESE SALES CONDITIONS ANNUL ALL THE PRECEDENT ONES WITHOUT ANY EXCEPTION, NO MODIFICATION WILL BE ACCEPTED WITHOUT ANY WRITTEN CONFIRMATION BY THE SELLER.



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