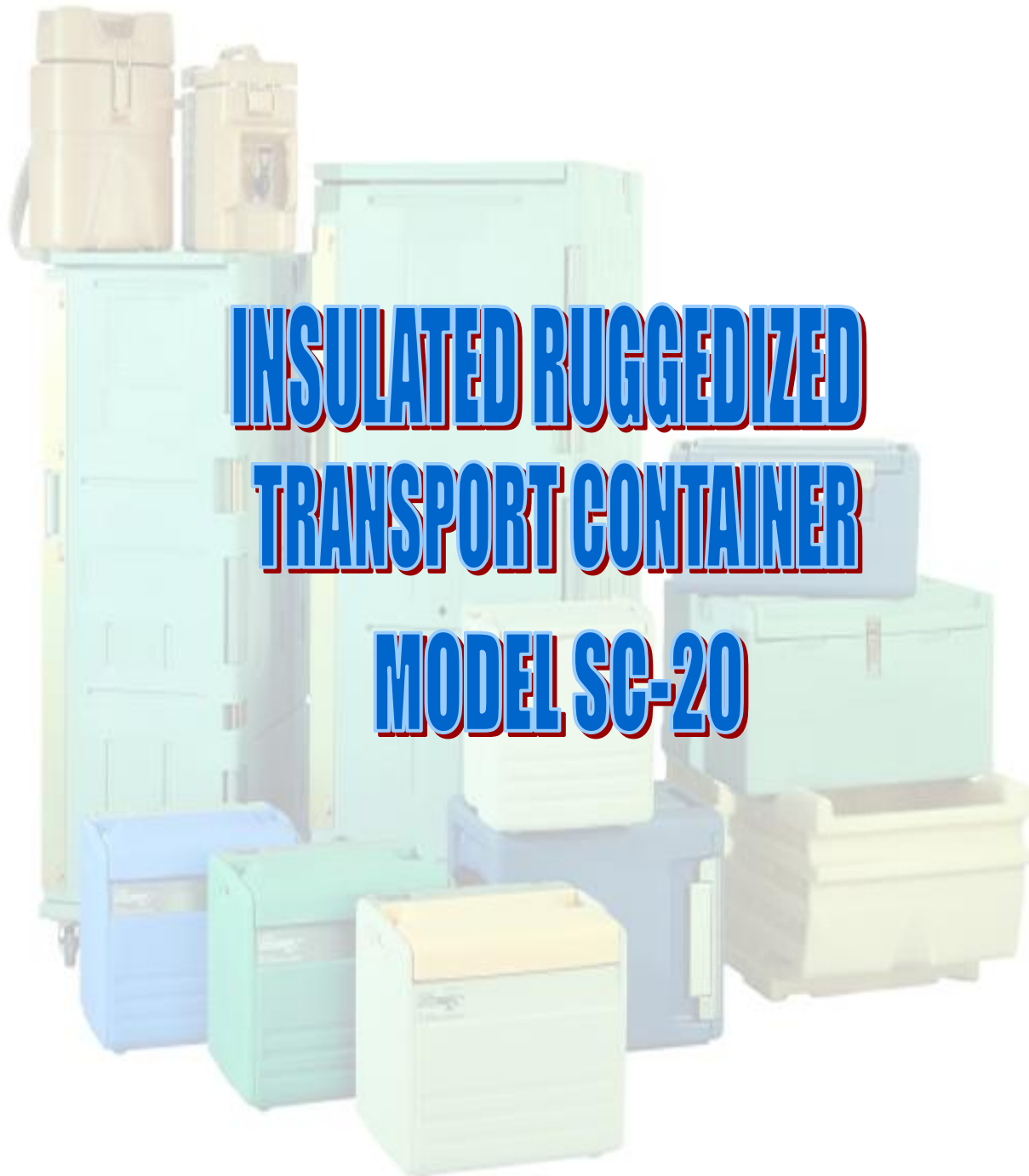




A TRADITION OF EXCELLENCE

Insulated Ruggedized Transport Container - Model Number - SC-20



INSULATED RUGGEDIZED TRANSPORT CONTAINER MODEL SC-20

DOMETIC S.a.r.l.,

USA Representative: K.C. Trading Ltd., P.O. Box 400, Garrisonville, VA 22463-0400
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Introduction

The purpose of this document is to emphasise the product benefits of the Ruggedized Insulated Transport Container, Model SC-20, manufactured by Dometic S.à.r.l. in Hosingen, Luxembourg.

Our company specializes in various containers used within the Medical, Food Service, Automotive and General Rotational Molded Products Fields. Our containers are the toughest containers available in the market place. Tested by U.S. Marines in various operational situations, our containers have met all the challenges expected of quality-constructed containers.

The purpose of this document is to assist the end user in the analization and evaluation of the SC-20 standard model or any similar custom model, which can be developed to meet specialized needs.

General Features

At Dometic S.à.r.l., we have, for a long time, adopted a high quality approach for all of our insulated container programs, which have been developed for our customers. To help better understand the main differentiation elements when judging alternative offers, we would like to provide some technical and general background as follows:

Insulation Properties

This particular area contains no mysteries: the insulation properties, which are directly related to the polyurethane foam, should be a key comparison element between all models evaluated.

Insulation value will be the result of three elements, which are:

- ⇒ The thickness of the foam
- ⇒ The quality of the foam, measured in terms of its density
- ⇒ The quality of the foaming operation

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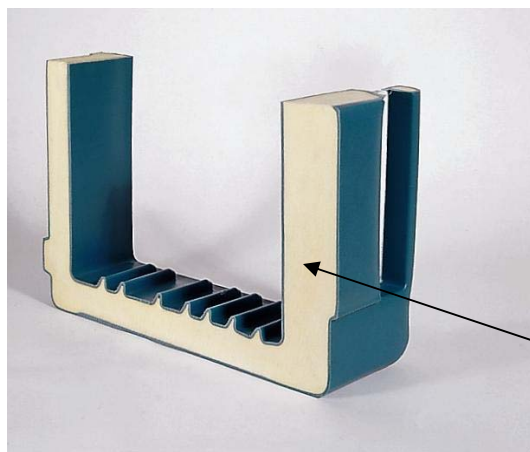
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At Dometic S.à.r.l, we use a 3-component foam with a density of about 40 g/l. (Or g/dm³) which is the **best possible** value, not only for insulation reasons but also for shock absorbing criteria; this is only possible with the help of highly specialized and technologically advanced foaming equipment.

If we analyse the foam structure from other manufacturers, we usually discover higher densities, linked with poorer foam formulations, which means more weight and a harder foam, which decreases the insulation value of the product; occasionally containers are found with no insulating foam at all which also decreases the strength of the container. Our high-pressure unique foaming stations (up to 2000 kilo /m²) ensures a perfect even spread of the foam into the hollow cavities of the container, thus avoiding the traditional "air bubble problem" experienced by various manufacturers.

To prevent product deformations, the Dometic plant, pre-heats the foaming tool to enhance adhesion between the Polyethylene and the Polyurethane foam. This process is specific and patented to Dometic S.à.r.l.

As a consequence of our unique process, we can confirm that the insulated containers from Dometic S.à.r.l. have better insulation properties and shock absorbing levels than any other container available in the marketplace. Our containers are built for the long haul and to provide our customers with Best Value Commercial Off The Shelf Technology.



**BEST POSSIBLE
DENSITY:
35-38 G/LITRE**

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Integrated Handles

The rotational molding process, for which Dometic S.à.r.l. has built up a considerable level of know-how, enables the possibility to foresee solid integrated handles for a better handling and mobility of products. Other technologies (thermoforming, extrusion) do not provide that advantage. Integrated handles provide the customer with years of maintenance free concerns coupled with strength and durability.



**Integrated
Handles**

Thickness of the Material

Our engineers are “risk-free minded”, meaning that they usually define a wall thickness, which will provide certainty in terms of robustness for several years; as a matter of fact, we consider our insulated containers not as products but **as investments** for our customers.

Past analysis has shown that some of our competitors produce material, which is too thin, which may lead to customer disappointment when cracks or damages occur. Additionally, our formulas used in wall construction allow our containers to remain useable in the most adverse climatic conditions.

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Due to years of experience, Dometic S.à.r.l. is in a position to ensure even repartition of the material during the rotational molding process, so as to have an even wall thickness.



**IDEAL
THICKNESS
REPARTITION**

Quality of the Raw Materials

At Dometic S.à.r.l., we use high grades of Polyethylene (PE) and have developed a climate of confidence with our suppliers, who provide full technical support to our engineers and our production staff. Our numerous established quality control procedures ensure that only the best materials are used in the manufacturing process.



An example of the strength of our containers is clearly shown during a test and demonstration at Marine Corps Base, Camp Lejeune, North Carolina. The container is supporting the weight of one corner of the new Marine Corps Diesel IFRAM vehicle. Our containers are built tough to withstand the rigors of a battlefield while maintaining a streamline design.

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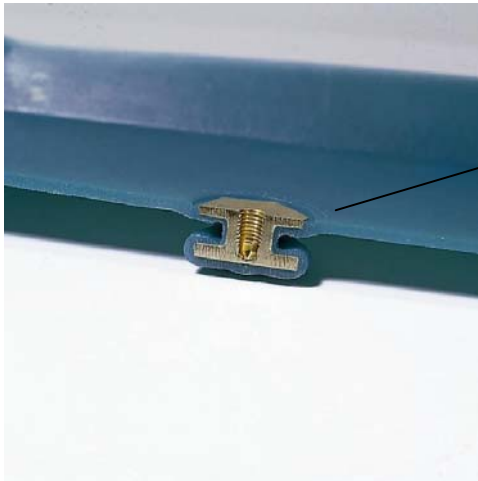
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Quality of the Hardware Mounting

Some competitors do affix the mounting elements (latches, handles,) by screwing or fixing those directly into the material; this very primitive mounting technique, which does not allow for removing those elements often (for maintenance reasons) as it would weaken the material.

At Dometic S.à.r.l., the screws are affixed to solid and non removable metal inserts which are molded in the Polyethylene during the production process; this advanced technique, ensures hundreds of mounting and re-mounting operations without any quality deviation even after many years of intensive use.



**METALLIC INSERT
(STAINLESS STEEL WHEN IN
CONTACT WITH FOOD)**

Also, we have discovered during our technical analyse of competitor's containers that The venting holes (necessary to evacuate air during the foaming process) are left open; we consider this as a professional fault as Polyurethane foam, having an "open cell structure", will inevitably absorb moisture and water with time, thus generating definitive product deformations.

Although leaving vent holes would reduce our production costs significantly (welding operation costs), Dometic S.à.r.l. committed itself not to follow the bad example of those low quality producers.

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Quality of the Production Tools

The quality of the surface of the container is the direct result of the quality of the rotational moulding tools. At Dometic S.à.r.l., we use the best possible tool quality (i.e. cast aluminium) a basic principle, which may be significantly more expensive but will ensure **better final results** (general aspect, thickness regularity) than iron ones. Aluminium tools conduct heat and cold better during the heating/cooling processes, meaning **better-controlled process conditions**. Furthermore, foaming tools are made of Metallic structures vs. wood foaming tools used by some of our competitors.



Quality of the Organization

Working with the Automotive world and also for some prestigious organizations such as the World Health Organization (WHO), the Red Cross, UNICEF, means constantly ensuring high quality standards and a perfect working organization to stay on the suppliers lists.

At Dometic S.à.r.l., we have been certified ISO 9001, 14000, QS9000, and VDA6.1.

Our **top quality organizational status** is an additional guarantee of a well performing product range well into the future.

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SC-20 Standard Model



The SC-20 Model was originally developed to transport CO2 ice pellets, requiring the following specifications:

- Excellent thermal insulation >> thick walls
- Portable >> 2 integrated rotomolded handles
- Stackable >> lid and bottom relief
- Solid >> thick Polyethylene walls and a shock absorbing foam
- Easy and quick to open & close >> one central closing latch
- Easy to transport >> units cube & perfectly fit on a 1200 x 800 mm Euro palette
- Easy to move >> removable metallic frame with 4 wheels (optional)
- Integrated lid
- Integrated gasket

This standard model can be produced with annual quantities of up to 5,000 units. For larger annual requirements, the production tools can be multiplied meaning doubling, tripling, of the annual capacity which greatly reduce costs that are passed on to the customer.

The SC-20 Model is perfectly adapted to any situation requiring a ruggedized transport container: sensitive electronics, ammunitions, cooking equipment, medicines, ice. Water and moisture tight, virtually unsinkable, the SC-20 can be loaded with up to 375 pounds of equipment and still float in water.

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Customisation Features

For quantities above 500 units, a custom color option can be offered with no additional cost. NATO Green and Medical Blue are just two of our standard colors.

For quantities above 1000 units, a custom logo option can be offered with no additional cost.

For quantities above 3000 units, a custom product with similar capacity can be studied, developed and produced with no additional cost and a short lead-time of 180 days.



A Variety Of Custom Colors Are Available

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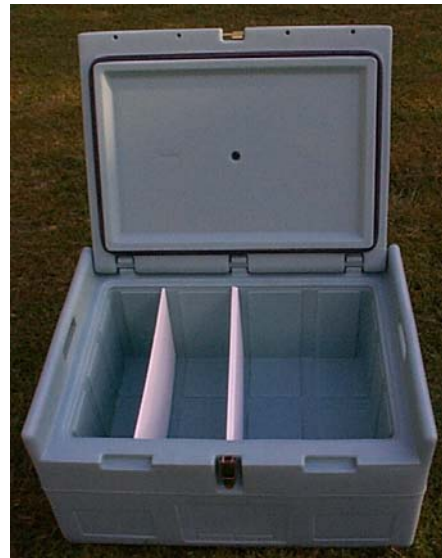


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Internal Dividers

Each SC-20 Container can be outfitted with three Marine Grade Plastic dividers or a lighter more efficient hard foam divider. These dividers can be modified to fit any particular size required. After reviewing your requirements please inform us of your particular compartment size requirements, so that modifications to the inserts can be effected. Additionally, the inserts may be removed or more added to increase or decrease compartment size.



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Wheels - Optional

Also available are our optional wheels that can be used to move loaded containers easily within a warehouse, or to a mount out vehicle. The wheel assembly is constructed of the finest materials and are built for durability. These optional wheels represent a cost savings over containers that have integrated wheels, which are non-effective in uneven terrain. Use of the optional wheels also insures that your container is water resistant.



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General Specifications

External Dimensions:

Height - 18.5 inches - Width - 31.5 inches - Depth - 26.38 inches

Internal Dimensions:

Height - 11.02 inches - Width - 25.20 inches - Depth - 20.08 inches

Weight - 18 Kg

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Thank you for evaluating our products!

Note: Replacement parts and containers will be available and in stock at our Stafford, Virginia storage location.



Dometic S.a.r.l.

For Additional Information Please Contact:

Charles Velez

Exclusive Sint-Plast U.S. Agent

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