

22/02/2024



COMPANY PRESENTATION

The Carpemar® Group has currently more than 55 years of expertise as a provider in the energy sector. Since 1968, Carpemar® achieves with the necessary know-how to assimilate new developments and to work side-by-side with the clients.

In 2023, the factory was successfully transferred to a new facility of more than 5,000 square meters with the implementation of the latest technology in the production process and where all the knowledge and experience acquired in the previous years of work was applied. With a storage capacity of more than 250m³ and reactors totaling more than 150m³. The entire installation is made of stainless steel to ensure a product of the highest quality. A new automatic packaging line has also been added to increase production capacity for smaller capacity containers. These new facilities allow us to meet the new demands and expected growth in the future.

The product quality of Carpemar® is reflected in the successful certifications. In 2009, for our propylene glycol based anti-freeze protection Blue Sun® it achieved the certification according to the standards ASTM 3306 and AA-52624A, in the well regarded INTA (entity belonging to the Ministry of Defense of Spain). Hence, we were the first producer that was awarded such certification of propylene glycol based anti-freeze protection according to these standards in the INTA laboratory. In addition, the product Propylene Glycol Coolant has received the NSF HT1 certification for its use in the food industry in 2015. At the moment, we're the only Spanish company with such certification for antifreeze. Over time we have obtained different approvals from national institutions (University of Zaragoza), international institutions (Belgaqua, LAWA, NSF new products, etc.) as well as from important companies that have concluded internal processes of approval of our products.

Since 2015, we have intensified our export commercial work in various sectors, managing to make our products known and build customer loyalty at an international level, growing in knowledge and security as a company. Today we are present in more than 24 countries in 4 continents, with foreign sales accounting for more than half of the company's average turnover in recent years.

In the year 2008 Carpemar® certified the standard ISO 9001:2000. In 2024, certification was renewed in accordance with ISO 9001:2015. In this way the aim is to improve communication with customers and to control at all times the high quality we demand for each product. We work according to the ISO 14.000 standard and have achieved important distinctions in corporate responsibility from recognized companies such as ECOVADIS, with a gold medal in 2022.

Carpemar® is strongly committed to research, development and innovation. Therefore are generated new products that are developed for example by a customer's wish or as an initiative of our own R&D department. Such innovations allow us to anticipate the demands of the market. This research activity is supported by signing agreements with universities, foundations and public institutions for the development and validation of new products. In addition, several research projects have received public support from Spanish institutions at regional and national level with very good results.

Two further important goals of Carpemar® are the environmental protection and the sustainability. In this sense, by selecting both the materials supplied and the suppliers, we always develop our products to generate the least environmental impact. We neither use products that could harm the staff nor the end customer.

We have a complete laboratory at our disposal, for analyzing heat transfer fluids. Such analysis is part of the preventing maintenance of installations. It's an additional service for our clients that is always at our clients' disposal to answer doubts about the liquid's condition. Our Technical Department is always pleased to answer questions of all kind.

We can offer a complete range of products, customized as trademark or private label, with product formula on demand of the client, filled in containers from 1 to 1000 liters and also as a bulk good, always with a high quality standard and at a competitive price.

HEAT TRANSFER FLUID:

Blue Sun®



- Coolant-Antifreeze based on Propylene glycol.
- Non toxic, biodegradable.
- Organic antirust inhibitors for durable protection for all common metals.
- Delivery form: Concentrate (94% Propylene Glycol)
 Ready to use, protection till -15°C (30% Propylene Glycol)
 Ready to use, protection till -28°C (42% Propylene Glycol)
 Ready to use, protection till -30°C (45% Propylene Glycol)
 Ready to use, protection till -37°C (50% Propylene Glycol)
- Certifications: **INTA:** ASTM 3306 (includes ASTM 1384 y ASTM 4340)
INTA: AA-52624 A Antifreeze, multi-engine type.
BELGAQUA (Belgium)

Delivery form/ ERP(€)	5 liter	10 liter	20 liter	220 liter	1.000 liter
Concentrate	27,34	52,90	104,71	1.164	4.997
-15°C	11,71	21,99	42,87	484	1.899
-28°C	14,65	27,79	54,47	612	2.479
-30°C	15,37	29,21	57,32	643	2.621
-37°C	16,57	31,58	62,06	695	2.859

Thermosol



- Excellent resistance against the degradation due to high temperatures.
- Based on glycols with a high boiling point.
- toxic, biodegradable.
- Organic antirust inhibitors for durable protection for all common metals.
- Delivery form: Concentrate (90% Glycols)
 Ready to use, protection till -28°C (50% Glycols)

Delivery form/ ERP(€)	5 liter	10 liter	20 liter	220 liter	1.000 liter
Concentrate	34,32	66,53	131,89	1.464	6.337
-28°C	20,21	38,67	76,17	851	3.551

Luzar Organic



- Coolant-Antifreeze based on Mono Ethylene Glycol .
- Organic antirust inhibitors for durable protection for all common metals.
- Delivery form: Concentrate (90% Ethylene Glycol)
 Ready to use, protection till. -40°C (50% Ethylene Glycol)
 Ready to use, protection till. -30°C (40% Ethylene Glycol)
 Ready to use, protection till. -18°C (30% Ethylene Glycol)
 Ready to use, protection till. -10°C (20% Ethylene Glycol)

Delivery form/ ERP(€)	10 liter	20 liter	220 liter	1.000 liter
Concentrate	37,02	90,92	815	3.402
-40°C	24,54	59,54	540	2.120
-30°C	21,20	51,19	467	1.786
-18°C	17,96	43,08	396	1.462
-10°C	15,95	37,94	352	1.236

Waterless Coolant



- Product with a very high boiling point, without steam or cavitation formation.
- Allows working at high temperatures.
- Non toxic, biodegradable.
- Protects against corrosion.
- Delivery form: Ready to use, range of use -40 to 220°C.

<i>Delivery form/ ERP(€)</i>	<i>25 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Ready to use</i>	<i>177</i>	<i>1.573</i>	<i>6.811</i>

Water Coolant



- Glycol-free, water-based coolant.
- Improved cooling, improves the liquid-metal contact by increasing the net exchange surface area and improving the performance of the installation.
- OAT anti-corrosion package protects common circuit metals from corrosion, including aluminum and its light alloys.
- pH-sensitive dye that turns orange-red when the pH falls below the recommended value, the condition of the fluid can be checked by sight alone.
- Delivery form: Ready to use, range of use 0 to 100°C.

<i>Delivery form/ ERP(€)</i>	<i>10 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Ready to use</i>	<i>60,96</i>	<i>1.345</i>	<i>5.803</i>

Propylene Glycol Coolant NSF



- Homologated by NSF as HT1 (Incidental contact with food)
- Coolant-Antifreeze based on Propylene glycol.
- Non toxic, biodegradable.
- Protects the metal elements of the circuit against the corrosion.
- Delivery form: Concentrate (90% Propylene Glycol)
Ready to use, freezing point -18°C (35% Propylene Glycol)

<i>Delivery form/ ERP(€)</i>	<i>25 Kg.</i>	<i>220 Kg.</i>	<i>1000 Kg.</i>
<i>Concentrate</i>	<i>124</i>	<i>1.110</i>	<i>4.731</i>
<i>-18°C (35%)</i>	<i>62,62</i>	<i>568</i>	<i>2.243</i>

Luzar Aerothermy



- Protection against corrosion and sludge in aerothermal systems.
- Protects the circuit against freezing.
- Suitable for underfloor heating systems, fan coil and radiators.
- Non toxic product, biodegradable and without discharge restrictions.
- Concentrate product: it allows diluting up to 5% protecting against corrosion and sludge with freezing temperature -2°C.
- Dosing rate: Concentrate (87% Propylene Glycol)
Ready to use, protection till -5°C (15% Propylene Glycol)

<i>Delivery form/ ERP(€)</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Concentrate</i>	<i>120</i>	<i>1.338</i>	<i>5.744</i>
<i>-5°C</i>	<i>37,38</i>	<i>447</i>	<i>1.522</i>

Thermosol HT1



- Homologated by NSF as HT1 (Incidental contact with food)
- Coolant-Antifreeze - High boiling point glycol-based coolant.
- Non toxic, biodegradable.
- Protects the metallic elements of the circuit against corrosion.
- Concentrate (90% Glycol).

<i>Delivery form/ ERP(€)</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Concentrate</i>	166	1.476	6.380

Blue Sun® Non Conductive Coolant



- Heat transfer fluid for electric or electronic systems where conductivity close to zero is required.
- Conductivity less than de 50 $\mu\text{S}/\text{cm}$ in the range of -20 to 100°C.
- Non toxic, harmless, not inflammable. Biodegradable.
- Better heat transfer properties than conventional dielectric oils.
- Delivery form: Ready to use, protection till -20°C.

<i>Delivery form</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>ERP (€)</i>	59,46	669	2.688

Blue Sun® Welding



- Heat transfer fluid for welding equipment.
- Electrical conductivity less than 10 $\mu\text{S}/\text{cm}$ at 25°C.
- Non-toxic, non-hazardous and non-flammable. Biodegradable.
- Incorporates non-ionic corrosion inhibitors to protect circuit metals without affecting electrical conductivity.
- Delivery form: Ready to use Protection T^a -20°C.

<i>Delivery form</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>ERP (€)</i>	63,23	711	2.859

Luzar Synthetic / Mineral Oil



- Oils for high thermal demand.
- Low viscosity, long service life, optimum heat transfer.
- Can be used in both open-loop and closed-loop systems.
- Temperature range: Mineral -10 to 310 °C (Closed-loop system)
Synthetic -30 to 320°C (Closed-loop system)

<i>Delivery form/ ERP(€)</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Mineral</i>	91,11	918	4.218
<i>Synthetic</i>	99	1.004	4.687

Liquid Sun



- Coolant-Antifreeze based on Propylene glycol.
- Organic antirust inhibitors.
- High quality product for any solar thermal flat panel installation.
- Delivery form: Concentrate (92% Propylene Glycol)
Ready to use, protection till -20°C (35% Propylene Glycol)

<i>Delivery form/ ERP(€)</i>	<i>5 liter</i>	<i>10 liter</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Concentrate</i>	26,19	50,63	100,18	1.114	4.771
<i>-20°C</i>	12,80	24,14	47,16	532	2.114

Solar Coolant



- Coolant-Antifreeze based on Propylene glycol.
- Organic antirust inhibitors.
- High quality product for any solar thermal flat panel installation.
- Delivery form: Concentrate (92% Propylene Glycol)
Ready to use, protection till -20°C (35% Propylene Glycol)

<i>Delivery form/ ERP(€)</i>	<i>5 liter</i>	<i>10 liter</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>Concentrate</i>	25,57	49,40	97,72	1.087	4.648
<i>-12°C</i>	10,21	18,76	36,41	413	1.576

Solar Protection



- Water based antirust and antiscaling concentrate.
- Antirust protection where frost protection is not required.
- Low dosage, long-term protection of the inhibitors.
- Delivery form: Concentrate.
- Dosing rate: 1.0 – 4.0% V/V.

<i>Delivery form</i>	<i>5 liter</i>	<i>10 liter</i>	<i>20 liter</i>	<i>220 liter</i>	<i>1.000 liter</i>
<i>ERP (€)</i>	28,35	53,30	103	1.174	4.430

Antirust–Anti-scaling–Anti-algae inhibitor (Luzar 7 SR)



- Antirust inhibitor based on organic acids, for all kinds of metal.
- Long term effective without the necessity to measure periodically the residuals.
- Includes active ingredients against biomass growth.
- Includes anti-scaling, dissolves old scaling deposits and avoids new ones.
- Dosing rate: 1 kg per 100 liter of water in the circuit (1%).
Aprox. 1 kg per 95 m² underfloor heated surface.

<i>Delivery form</i>	<i>2 Kg.</i>	<i>20 Kg.</i>
<i>ERP (€)</i>	17,46	148

CLEANING PRODUCTS:

Luzar Calderas



- Boiler cleaner, effectively cleans the combustion body and the exchanger on the flue gas side.
- Neutral working pH, valid for light alloys such as aluminum-silicon.
- Removes scale, rust and dirt in about 30 minutes
- Available in 1 liter spray bottle with sprayer for easy application
- Delivery form: Ready to use

<i>Delivery form</i>	<i>1 liter Spray</i>	<i>20 kg.</i>
<i>ERP (€)</i>	<i>12,67</i>	<i>164</i>

Luzar PV (Solar panel cleaner)



- 2 in 1: Cleans photovoltaic panels from all types of dirt and creates an anti-stick and anti-static protective coating.
- It keeps the solar panel cleaner for a longer period of time, increasing the production up to 5% depending on the installation.
- pH neutral, solvent-free, biodegradable, non-aggressive with seals or metals.
- Instructions for use: spray, clean with a brush and rinse with water.
- Delivery form: Ready to use
- Average consumption 100-250 ml per square meter of surface to be cleaned.

<i>Delivery form</i>	<i>1 liter Spray</i>	<i>20 kg.</i>
<i>ERP (€)</i>	<i>7,04</i>	<i>62</i>

CS-LTV



- Dissolves degradation products of overheated antifreeze in the circuit.
- Restores the flow in blocked systems.
- Suitable for solar thermal energy systems, industrial circuits and automotive sector.
- Delivery form: Concentrate: Dosing rate 20%.
Ready to use.

<i>Delivery form/ ERP(€)</i>	<i>2 liter</i>	<i>20 liter</i>
<i>Concentrate</i>	<i>24,17</i>	<i>211</i>
<i>Ready to use</i>	<i>10,32</i>	<i>72,90</i>

CS- Descal



- Descaling cleaner for stainless steel, cooper and brass.
- Formulated with 100% biodegradable and natural acid.
- Non toxic product. Non corrosive vapors.
- Highly concentrate (1 liter dissolves 500 grams of limescale).
- Fast effectiveness.
- Changes color (red to yellow) when active material is depleted.
- Recommended dosing rate: 2% - 10% V/V.

<i>Delivery form</i>	<i>2 liter</i>	<i>10 liter</i>
<i>ERP (€)</i>	<i>11,17</i>	<i>42,08</i>

Cleaning Additive (Luzar LD)



- Cleans rust and scaling present in the system, restoring heat transfer.
- Contains a corrosion inhibitor to protect soft metals during cleaning.
- Good performance also for low temperature cleaning (underfloor heating)
- Dosing rate: 1,5 kg per 200 liter of water in the circuit (0,75%).
Approx. 1 kg per 125 m² underfloor heated surface.

<i>Delivery form</i>	2 Kg.	20 Kg.
<i>ERP (€)</i>	20,84	185

OTHER CHEMICAL SPECIALITIES:

Mortar Additive 30



- Fluidifying - plastifying mortar additive.
- Improves the mortar quality.
- Improves the tubes' coating and hence the heat transmission.
- In plasticizing mortars, higher resistance against thermal expansion.
- No increase of hardening time.
- Dosing rate: 1.0 – 1.5 % of cement weight.
Approx. 37,5 g/m² and cm covering over pipes.

<i>Delivery form</i>	10 Kg.	25 Kg.
<i>ERP (€)</i>	32,37	78,98

Sealant (Luzar Sealing)



- Sealing for water heating circuits.
- Permanent sealing of leaks in metal and plastic.
- Quick effect with the system running.
- Luzar Sealing: standard product, for water systems.
- GLY Version: new product, compatible with glycol-water systems, the circuit doesn't need to be drained, it incorporates UV-sensitive dye.
- Dosing rate: Standard: 1 liter per 100 liter of water in the circuit.
GLY: 2 liter per 100 liter of water in the circuit.

<i>Delivery form/ ERP(€)</i>	2 Kg.	10 Kg.
<i>Standard</i>	20,82	90,11
<i>GLY</i>	33,16	165

Luzar Windshield washer



- Incorporates antifreeze up to -5°C or -20°C. For professional use.
- Cleans dirt and insects, improves visibility.
- Fast drying, without adhering film or reflections.
- Does not damage rubber or paint.
- Biodegradable
- Delivery form: Ready to use

<i>Delivery form/ ERP(€)</i>	5 liter	220 liter	1.000 liter
<i>Freezing Temperature -5°C</i>	5,80	226	665
<i>Freezing Temperature -20°C</i>	8,94	359	1.203



Monopropylene glycol USP



- Monopropylene glycol USP/EP.
- Antifreeze - Coolant for circuits where there is risk of contact with food material.
- Presentation: Pure product (100%)
Dilution at 35%, freezing temperature -18°C.
Other dilutions available upon request.

Delivery form/ ERP(€)	25 Kg.	220 Kg.	1000 Kg.
100% Pure	147	1.305	5.617
Dilution at 35% (-18°C)	70,96	642	2.556



Monoethylene glycol



- Pure Monoetilenglicol 99.5% minimum.
- Coolant-Antifreeze for industrial circuits without additives.
- Delivery form: Pure product (100%).
Dilution at 30%, freezing temperature -15°C.
Other dilutions available upon request.

Delivery form/ ERP(€)	25 Kg.	230 Kg.	1.100 Kg.
100% Pure	78,79	740	3.214
Dilution at 30% (-15°C)	40,99	377	1.378



Dyes in solution



- For dyeing circuits in operation or colorless products.
- Food (where E-number is indicated) or industrial
- Facilitate leak detection: yellow and pink are fluorescent, with black light in the dark they emit visible light.
- Dye with pH indicator, yellow color if pH greater than 7, orange between 6 and 7, and red below 6. The state of the fluid can be visually monitored.
- Dissolved in water for clean and easy handling.

Delivery form/ ERP(€)	1 liter	m ³ Fluid dyed per container
Blue 10% E-133	87	10
Orange 4% E-110	35	4
Red 10% E-124	65	5
Amarillo 10% C.I. 16255	87	10
Rosa 10% C.I. 45170	126	15
Verde 10%	48	3
pH- Indicator	207	10

ICONS MEANING



Solar Thermal Energy



Heating- Underfloor heating



Wind Energy



Food Industry



Geothermal energy



Automotive Industry



Industry



Aerothemy

ACCESORIES:

Filling station



- For filling and maintaining thermal installations.
- Powerful pump with maximum flow of 31 liter/minute and till 5,9 bar.
- 30 liter graduated tank with wide opening, leak-proof screw cap.
- Fine filter with vision panel ahead of the pump.
- Strong equipment and suitable to transport anywhere.
- Instructions in English.

<i>Delivery form</i>	<i>ERP (€)</i>
<i>Box 1 piece and instructions</i>	<i>1.125</i>

Refractometer



- Optical Checker for antifreezes.
- Scales for Propylene Glycol, Ethylene Glycol and Battery Electrolyte.
- Automatic Temperature Compensation (0-30°C).
- Kit containing: Refractometer, instructions in English, pipette and screwdriver for calibration.

<i>Delivery form</i>	<i>ERP (€)</i>
<i>Kit Refractometer</i>	<i>89,00</i>

pH-Strips



- Quick and easy measurement of pH for antifreeze.
- Plastic Strips, easy handling, no discoloration.
- Scale from 0 to 14.
- 100 strips per box.

<i>Delivery form</i>	<i>ERP (€)</i>
<i>Box with 100 strips</i>	<i>8,40</i>

Condensate Neutralizer



- Adjustment for the pH value of condensation water from the boiler according to legislation.
- Neutralize the dissolved CO₂ in water leaving its pH above 6.
- Working temperature 0-40°C.

<i>Size</i>	<i>Mini</i>	<i>Mini with spigot</i>	<i>10"</i>
<i>Flow rate (liter/hour)</i>	<i>10</i>	<i>10</i>	<i>18</i>
<i>Max.Boiler Power</i>	<i>50 KW</i>	<i>50 KW</i>	<i>100 KW</i>
<i>ERP(€)</i>	<i>22,04</i>	<i>35,47</i>	<i>60,97</i>
<i>Replace fill ERP (€)</i>	<i>8,48</i>		<i>18,17</i>

FILTRATION – WATER TREATMENT:

AQWELL Automated self-cleaning filter



- Filter with 40 micron stainless steel mesh and backwash.
- With pressure gauge and pressure reducer (adjustable between 2 and 6 bar).
- Flow rate 4 m³/h, Maximum pressure 8 bar, Temperature 5-30°C.
- Connection 3/4" and 1". Measures 160x95x360mm
- Possibility of coupling Auto AQWell for automatic cleaning by time:
 - Washing intervals programmable between 1 and 99 days.
 - Washing duration programmable between 15 and 90 seconds.

Article	ERP(€)
AQWELL	314
AUTOAQWELL	314

Hot Water Filter housing



- Cartridge holder with bleeder and 3/4" connections.
- Maximum pressure 6 bar, temperature range: 0 to 95°C.
- Compatible with standard 10" cartridges available on the market.
- Available in Polyamide and Stainless Steel versions.

Article	Polyamide	Stainless Steel
Connection	3/4"	3/4"
ERP (€) Kit with mounting bracket and screw	43,89	103

Filter housing BIG BLUE



- Two pieces filter housing, with pressure relief valve.
- Max. working pressure 6 bar, working temperature: 0 to 40°C.
- Good compatibility with chemical products.
- Screw connection 1" with brass insert

Article	10"	20"	Bracket	Wrench
ERP(€)	45,72	110	11,44	5,43

EMI Filter Housings



- Two pieces filter housings with pressure relief valve and brass inserts.
- With double o-rings for leak proof protection.
- BPA free.
- Transparent or white bowl.
- Max. Working pressure 8 bar, working temperature: 0 to 30°C.

Article	10"		
Connection	1/2"	3/4"	1"
ERP (€) Filter housing	13,79	14,89	15,84
ERP (€) Kit incl. Mounting bracket screws	17,34	18,41	19,51

PHYSICAL FILTRATION:

Yarn Cartridges



- Remove sand, silt and rust.
- Gradient pore structure increases cartridge life.
- Standard working temperature 0-45°C, HOT version: 0-80°C.
- Available filter sizes 5 and 50 μm .

Size	10''	10''BB	20'' BB
Flow rate (liter/minute)	25	40	60
ERP (€) Standard version	3,30	18,04	38,01
ERP (€) Version HOT	4,46	-	-

Net Cartridges



- Remove sand, silt and rust.
- Reusable, stiffened construction.
- Standard working temperature 0-70°C.
- Available filter size: 70 μm .

Size	10''
Flow rate (liter/minute)	30
ERP(€)	9,68

Net Stainless Steel Cartridges



- Remove sand, silt and rust.
- Reusable.
- Standard working temperature 0-95°C.
- Available filter size 150 μm .
- Resistant to most chemicals.

Size	10''	10''BB	20'' BB
Flow rate (liter/minute)	30	45	65
ERP(€)	36,92	89,36	179

Ceramic Cartridges



- In order to obtain microfiltered water.
- Remove sand, silt and rust.
- Filter size 0,3 μm , retain bacteria larger than that size.
- Reusable up to 6 times after washing.

Size	10''
Flow rate (liter/minute)	3
ERP(€)	13,05

CHEMICAL WATER TREATMENT:

Cartridges Demineralization



- Mixed bed resin charge with color indicator, green resin changes to blue as it is depleted.
- The amount of depleted resin can be visually controlled.
- Removes all dissolved solids.
- Temperature range 0-45°C.

Size	10''	10''BB	20''BB
Flow rate (liter/minute)	0,5	1	1,5
Treatment capacity approx. liters of water with 100 / 300 / 500 ppm CaCO ₃	162 / 54 / 32	398 / 132 / 80	796 / 265 / 160
ERP(€)	40,15	132	257

Polyphosphate Cartridges / Silicon-Polyphosphate



- Polyphosphate: Protect from scale formation. Dissolve existing scale deposits.
- Silicon-Polyphosphate avoids corrosion of steel elements in the system.
- Working temperature 0-40°C.
- Prefiltration to 5 µm, partial elimination of existing solids.

Article	Polyphosphate	Silicon-Siliphosphate
Size	10''	10''
Flow rate (liter/minute)	10	10
ERP(€)	22,95	25,48

Cartridges with Granulated Activated Carbon



- Remove chlorine and organic substances.
- Improve taste and smell of water.
- Standard working temperature 0-40°C.
- Prefiltration to 5 µm, partial elimination of existing solids.

Size	10''
Flow rate (liter/minute)	6
ERP(€)	14,74

Washing machine and dishwasher filters



- Protect the house appliances from scale deposition
- Extend the service life and increase effectiveness of detergents.
- Connection 3/4'', working temperature 0-30°C. Max. working pressure 6 bar.
- Prefiltration to 5 µm, partial elimination of existing solids.

Size	Mini
Aprox. water treatment per filter	6.000 Liters
ERP(€)	11,61

SALES TERMS AND CONDITIONS

These general conditions of sale are of general application to all orders placed with Sucesores de Carmelo Pérez Martínez S.L. (Carpemar® hereinafter) and imply the knowledge and acceptance of the same, not being binding variations that have not been previously agreed by mutual agreement and in writing between Carpemar® and the purchasing party. The images contained in this price list have no contractual value. Carpemar®, within its policy of continuous improvement, reserves the right to introduce technical modifications on the products included in this price list.

1.- Orders

All offers are subject to acceptance by the seller. All orders must be made in writing, even if they have been previously established by any other means.

Any condition incorporated by the buyer in the order placed in writing, not in accordance with the general conditions of sale, or with the special conditions of each product, shall be considered null and void, except in the case of conformity, which must be stated in writing in the acceptance of the order.

2.- Cancellation of orders

The buyer may not cancel orders placed with Carpemar® as long as the seller has complied with the agreed delivery conditions and price.

In no case the customer may cancel their orders when:

- The shipment of the product has been made, even if it has not reached the receiver.
- In the case of so-called special manufacturing materials, provided that such manufacturing has already begun.
- Three days have elapsed since the date of receipt of the acceptance of the order.

3.- Prices

The prices that appear and are shown in our tariffs are prices ex-works or on truck, except for those products that have different express conditions. The prices do not include concepts such as transport, insurance, etc., which will be paid by the buyer. Any tax in force, unless its repercussion is forbidden, will be charged to the buyer.

The prices shown in the price list may be changed by Carpemar® at any time with simple notice from the seller. The new prices will affect those orders that were pending delivery on the date of the modification. In this case, cancellation of the order by the buyer is conditional upon written notice of non-acceptance within eight days.

4.- Delivery times

The delivery times stated in writing in our order acceptances are approximate. Failure to comply with delivery times shall not, under any circumstances, give rise to any claim by the purchaser. Delivery costs due to force majeure are not grounds for cancellation of the order and do not entitle the buyer to claim damages.

5.- Returns

No returns are allowed without the prior authorization and agreement of Carpemar®.

If such return is consented, the material must meet the following conditions:

- The material must be the same as that received at the time of delivery (equipment and packaging).

The material must be the same as that received at the time of delivery (equipment and packaging).

-The return costs will be at the buyer's expense.

-Materials that do not allow further repair will not be accepted.

-A percentage of up to 20% may be deducted from the price of the goods for the costs of reception, return of equipment and packaging 20% for reception, testing and inspection costs.

6.- Delivery Conditions:

The goods supplied by Carpemar® are understood to be carried out in its warehouses, traveling at the expense and risk of the buyer and ceasing from that moment the responsibility of the seller.

Unless otherwise agreed, Carpemar® does not assume the risks of transport, even if it contracts the transport of goods, which will be entirely at the expense of the buyer, even when the damage is due to an act of God or force majeure.

In the event of breakdown, loss or breakage of any component of the equipment, the buyer must state the breakdown on the corresponding delivery note and send it to Carpemar® within 24 hours.

Any transport insurance or any special packaging shall be at the buyer's expense.

Orders placed, unless the characteristics of the product prevent it, may be made and fulfilled by partial deliveries.

7.- Packaging

The goods dispatched by Carpemar® will be packed according to our catalog or sales price list and, as far as possible, according to the buyer's instructions, on any other type or kind of packaging, the invoicing of which will be made at cost price.

In accordance with R.D 782/1998, the final holder is responsible for the delivery of used packaging and packaging waste, for a correct environmental management. The packaging supplied is of an industrial type, and is covered by the exception provided for in the first additional provision of Law 11/97.

8.- Terms of payment and retention of title

The payment of the amount of the order must be made in cash, at the tax domicile of Carpemar®, by cash, bank check or check certified by a bank, may be established deferred payments that previously require that such deferral is insurable by a bank of recognized solvency. Late payment shall give rise to the accrual of interest calculated at the bank discount rate, commissions and expenses.

Late payment shall give rise to the accrual of interest calculated at the bank discount rate, commissions and expenses.

All goods delivered, until full payment is made, shall remain the property of Carpemar® and Carpemar® shall be entitled to take appropriate legal action, and Carpemar® shall not be entitled to withhold payment or offset against the purchaser's litigious claims.

9.- Guarantee

Carpemar® guarantees that the goods supplied are suitable and in perfect condition; that they have the characteristics of the technology known at all times. The enjoyment of any warranty contemplated herein requires the acceptance of the defect by our technical department, and the defective products must be sent to the factory of origin.

The warranty covers the replacement of the defective merchandise without charge to the buyer, under the terms of the legislation in force at any time.

The warranty only covers manufacturing defects. Operating or installation defects independent of installation defects are not covered. Damages caused by improper use are expressly excluded.

Deterioration of the products due to improper storage, neglect, overloading or other causes other than manufacturing defects are not covered by the warranty.

Carpemar® is not responsible for any damage that its goods may cause to the customer or third parties due to improper use.

The warranty will be null and void:

- a) If the products are not used in accordance with the laws and regulations in force.
- b) If in the use of the products the instructions indicated in the technical data sheets are not followed.

10.- Jurisdiction

All differences and disputes between the buyer and Carpemar® that cannot be resolved amicably, will be submitted to the jurisdiction and courts of Zaragoza (Spain), expressly waiving any other jurisdiction.

11.- Nullity

If any of the clauses of these general sales conditions are invalid or ineffective, such circumstance will not affect the validity and effectiveness of the other determinations or agreements.

Carpemar®

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