

## Environmental Product Declaration for Hi Pro miniBar Absorption Refrigerator

### PRODUCT DESCRIPTION

This environmental product declaration is made for the miniBar absorption refrigerator model Hi Pro 4000. Apart from product specific data such as volume, weight and energy consumption, the material contents and distribution vary little between the various Hi Pro models.

Always make sure that the product is correctly installed in order to save energy.

The product is completely noiseless thanks to the absorption technology

<b>Volume</b>	<b>37 l</b>
<b>Energy consumption</b>	<b>0.7 kWh/24h</b>

### MATERIAL CONTENT

All miniBar absorption refrigerators are CFC-, HCFC- and HFC free. Cyclo-pentane is used as blowing agent. Ammonia-water solution is used as refrigerant. A small amount of sodium chromate is added for corrosion protection (< 2 w% of the refrigerant). A Material Safety Data Sheet (MSDS) for the refrigerant is available upon request.

<b>Refrigerant</b>	<b>Ammonia-water</b>
<b>Blowing agent</b>	<b>Cyclo-pentane</b>
<b>Boiler insulation</b>	<b>Mineral wool</b>
<b>Weight</b>	<b>13.5 kg</b>
<b>Metal</b>	<b>38%</b>
Steel	34%
Aluminum	4%
<b>Polymer</b>	<b>55%</b>
Insulation (PUR)	11%
ABS	36%
PS	5%
Other Plastics	3%
<b>Other</b>	<b>7%</b>
Boiler insulation	2%
Electrical components	3%
Refrigerant	2%

### PACKAGING AND DISTRIBUTION

<b>Weight</b>	<b>2.2 kg</b>
Plastic	2%
Paper / cardboard	98%

The packaging is marked for recycling. 70-80% of the paper originates from recycled material. Train, truck and boat are used to distribute the product.

### PRODUCTION

The product is manufactured by Dometic GmbH in Siegen, Germany. The factory is certified according to the international environmental management system ISO14001 and the European EMAS system since 1998. The main processes are steel processing: cutting, bending and welding. Plastic processing: vacuum forming and foaming, powder painting and assembly. Only non-chlorinated solvents are used in the cleaning and painting processes.

Energy demand per product in manufacturing: 20 kWh/unit  
Waste production per product in manufacturing: 2 kg/unit.



### RECYCLING AND DISPOSAL

Absorption refrigerators should be recycled in an environmentally sound way. An authorized recycling company should recycle both the cooling units, which contain the cooling media and the foam, if it contains CFC/HCFC (these substances only occur in refrigerators produced before 1994). Approximately 90% by weight of the refrigerator are recyclable with methods for recycling in use today (material- and energy recovery).

Plastic parts are marked for recycling according to ISO11469. A recycling manual for absorption refrigerators is available upon request or at [www.dometic.com/environment](http://www.dometic.com/environment)

