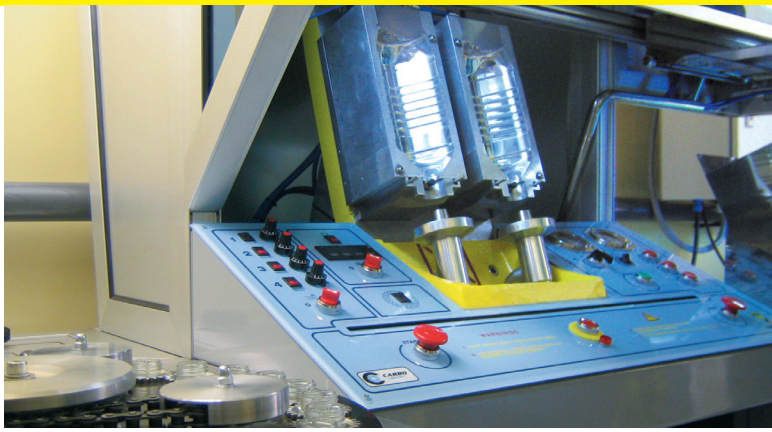
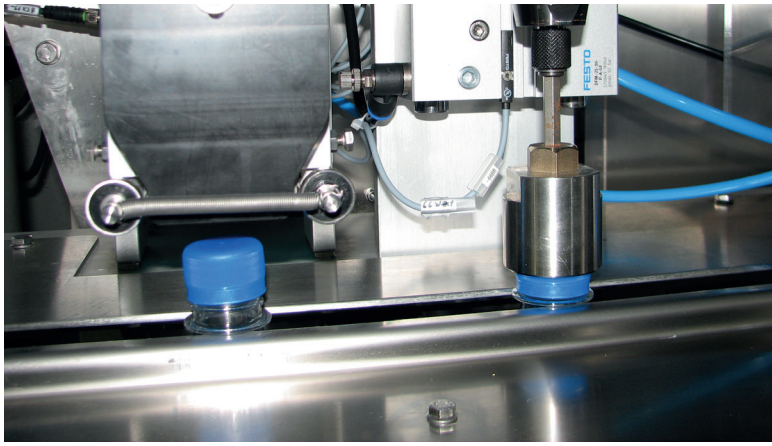
WBP 700

Water bottling plant

1 UNIT LEFT





Benefits

- Significant reduction of logistical costs
- Significant reduction of transportation costs
- Ease of logistical transport

Technical data

Dimensions (L x W x H)	approx. 6058 x 2435 x 2591 mm
Filling capacity	700 bottles/h
Total weight	7500-8500 kg
Platform	20‘ Container

Description

The Water Bottling Plant 700 is a system designed to fill bottles with water for handing them out to persons. The bottles can be stored in boxes or packed as “4-packs” or “6-packs” for further distribution. Furthermore, these packs can also be packed on pallets by means of an optional semi-automatic device.
The PET bottle used is produced on site from preforms, which reduces transport volume by approx. 90% and weight by approx. 95% compared to filled PET water bottles.
Immediately after its production, the PET bottle is filled with storable drinking water, closed with a cap and finally labled. Filling and capping is carried out in a protected area, ensuring that all drinking water requirements are always met.
The WBP 700 is designed and optimised to work with our specific and certified preforms, allowing an output of up to 4 million bottles per year.

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Technical Data of the Main Components

1 Container

The container is a 20 ft sea freight container with double doors at the front and rear side, type 1CC (height: 8'6"). The container has a CSC certification.

Thermal protection	Insulated container
Length	Approx. 6,058 mm
Width	Approx. 2,435 mm
Height 1CC	Approx. 2,591 mm
Total weight of the container (depending on the model and accesories)	7500-8500 kg
Colour	RAL 1002, sand colour

2 PET stretch/blow-moulding machine

Number of cavities	Machine with two cavities
Mould	Bottle volume: 1.0 l
Tubes	Stainless steel, teflon or plastic
Indications	Heating temperature, pressure
Production capacity	max. 700 bottles per hour (600 to 650 bottles per hour average)
Cooling unit	Approx. 1kW
Operation mode	Semi-automatic

3 Production Line

Safety disinfection of the bottles before filling	UV tunne
Filling	Stainless steel
Closing of the bottles	Automatic operation mode
Caps	Automatic feed from buffer reservoir
Safe disinfection caps	UV lamp
Labelling	Suitable for pre-printed labels (50 x 70 mm) (stamping of best-before date and machine number on site) (Label design to be provi ded by the customer as .jpg or similar data file)

4 Air-conditioning

The air-conditioning system ensures the proper functioning of all installed parts and components at extremely high outside temperatures (air temperature: max. +49 °C).

Nominal cooling performance	14 kW

5 Compressor

The compressor filters and compresses the air needed for the operation of the stretch/blow-moulding machine.

Performance	11 kW
Operational conditions	max. 2000 m above M.S.L.
Pressure	15 bar
Air treatment	suitable for food grade air quality
Air buffer tanks	1

6 Energy Requirement of the Complete System

The system requires maximum 44 kW and has a power connection with the following characteristics: 400 V, 63 A, 50 Hz, 3 Ph + N + PE.

7 Bundling machine

The bundling machine enables the operator to produce packs in the buffer zone in front of the container (buffer zone to be provided by the customer, e.g. optional tent)

Storage	in separate transport box, to be sent as a separate package
Performance	acc. to WBP: 700 output
Banding	multi-band to fix the bottles

Please note: the WBP 700 container must be set up inside a special air-conditioned housing (e.g. large tent with sturdy floor, or building). This housing ensures that the dust and climate load at the work stations around the water bottling container (e.g. bundling of bottles) is within the limit values stipulated by law, thus allowing continuous hygienic operation even under very harsh conditions of mobile missions.