

Baltic

# Automatic Washing Systems



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A good image is important and we at Ceccato know it well.

Your vehicles, in fact, do not transport persons or goods only, but convey Your image day after day, kilometer after kilometer. A fleet of well maintained, clean vehicles is the best way to support business for every transport company, both public or private.

The Baltic range of units includes the Baltic and Baltic HP versions. Every model offers the maximum performances in the washing of industrial and commercial vehicles. You could not choose a better solution to cope with your washing requirements.

Complicated shapes and critical areas

## Baltic HP



The top of the range Baltic version, the Baltic HP (High Pressure), combines the action of the detergents with the one of high pressure rinsing and brush washing. The high pressure system makes it possible to clean all the critical areas, also on vehicles of complicated shape like tankers, silos and vehicles for waste disposal.

Available in the models: Baltic Hp 70 bar and Baltic Hp 30 bar

## Baltic HP

The Baltic HP, with high pressure system is the ideal solution to cope with vehicles of complicated shape.



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# Baltic HP



## Contour Following Top Arch

In the Baltic HP the top arch can perfectly copy the profile of the vehicle, thanks to a precise photoelectric cell control, carrying out therefore the "contour following" application of the pre-wash chemical (emollient) and the following high pressure rinsing operation. The manual intervention of the operator is always possible in order to insist on particular dirty parts.



## High Pressure

Baltic HP derives its name from adopting high pressure as an integral component. The system works with horizontal high pressure, delivered through the contour following top arch, and vertical high pressure delivered through a fixed arch on each gantry side. Two versions are available: 30 bar with fixed flat jet nozzles and 70 bar with rotating nozzles, depending on the vehicle types to be washed.



## Brushes and Trolleys

The vertical brushes wash completely the front and rear end surfaces of the vehicles through a crosswise movement of the brush support trolleys (Overlapping type). This trolley system, sliding on horizontal guides, allows you to wash beyond the centre line of the vehicle.



## Electronics and controls

The Uniop device, available for all the models of the Baltic range, allows the free programming, the direct memorization of specific cycles and the tailoring of washing cycles to the requirements of the customer. Uniop operates also as a diagnostic system.



## Flexibility and programming

There are a large choice of standard programs for the washing of every type of vehicle: buses, articulated trucks, tankers, silos, close trucks, motor-homes, pick-up, etc. And should this not be enough, the electronic control allows to set-up custom-made programs.



## Hp Accessories

The Baltic HP version can be completed with a range of specific groups for high pressure washing:

- Fixed Chassis Wash, with rotating nozzles
- Mobile Chassis Wash, with rotating heads (spinners)
- Fixed Side Wash, with rotating heads, for the washing of the wheels and the low parts of the vehicles.



*A large choice of options are available (see the relevant page)*



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Innovation and simplicity

# Baltic



The Baltic is the ideal unit for vehicles needing frequent washings, like fleets of buses, city buses, commercial vehicles. Available with many of the typical innovations of the "high range" type of washing units, like the overlapping system, programming and flexibility, the Baltic is characterized by simplicity of use and control that makes it an outstanding product in the field of commercial washing systems.

# Baltic



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## Management System

The units of the Baltic range can be controlled through a standard remote pushbutton board, a board with key selector or a card reader. The control of all the functions is done automatically by a "PLC" that is the true heart of the unit. It is installed inside the electrical panel, fitted into a double cabinet with safety door-lock switch.



## Robowash

It increases the performance of your washing unit. Available for the Baltic unit, the robowash is a device with high pressure nozzles that insist on the lower and hidden vehicle areas, where the brush action is often reduced.



## Mechanical Features

The Ceccato units are fitted with the best available components. The gantry movement is driven by two motorgears controlled via inverter. The rotation and the movement of the brushes is also driven by motorgears and controlled by inverter.



## Spraying Arches

All machine versions are equipped with water arches and chemicals arches for the regular and correct application, on the whole vehicle surface, of emollient, shampoo and wax (were installed, according to type).



## Services Catenary

Among all types of service cable supports it is recommended to choose the catenary system, available also with brackets for wall or floor installation. This support system increases the lifetime of the pipes and cables and grants perfect functionality during the washing process.



## Rails

New gantry running tracks in galvanized steel and with an  $\Omega$  profile, particularly resistant and safe in order to support heavy workloads. The rails are fitted with anti-derailment and anti-tilting devices.



*A large choice of options are available (see the relevant page)*



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# Options



## Traffic Lights

The two traffic lights fitted on the gantry frame allow you to regulate the traffic, indicating when the next vehicle can enter the wash bay without problem.



## Splash Guards

They are necessary to avoid water spray during the brush washing process and help to maintain the area around the wash bay clean.



## Chassis Wash

There are different possible combinations of chassis washing units to complete the Baltic HP, granting a very high washing efficiency.

- 1- Chassis Wash + Wheelwash with 4 rotating heads and 70 bar nozzles
- 2- Chassis Wash + Wheelwash with 4 rotating heads and 30 bar



## High Pressure Pumps

The high pressure Baltic versions can be equipped with pumps of different pressure and capacity:

- mod. 70 bar with no. 2 piston pumps, each 18,5 kw, 125 lt./m.
- mod. 30 bar with no. 1 centrifugal pump 37,5 kw, 250 lt/m.



## Dosing Pumps

A series of additional dosing pumps for the application of further chemical products, like prewash cleaner and wax, are available to increase the overall washing unit performances.

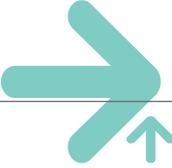


- 3- Chassis Wash with 2 rotating heads 30 bar
- 4- Chassis Wash 70 bar, fixed, with rotating nozzles.

## Also available:

- Frost Protection System
- Wheel Guide Elements
- Flow Switch
- Compuwash

Range: **Baltic**  
 Versions: **Baltic - Baltic HP**  
 Models: **420 - 470**



## Technical data



		<b>420</b>	<b>470</b>
Machine height	m	5,00	5,50
Machine width	m	4,60	4,60
Max depth of the unit	m	2,80	2,80
Useful washing height	m	4,20	4,70
Useful washing width	m	2,20	2,20
Length of the rails	m	18/26	18/26
Rails gauge	m	3,78	3,78
Gantry speed	m/min	6,00	6,00
Maximum absorbed power, without pumps	kW	4,50	4,50
Water consumption	lt/min*	80	80
Machine weight	kg	1600	1800
High pressure system	Version 30 bar: centrifugal pump 37,5 kW Version 70 bar: 2 piston pumps 18,5 kW each		

\*Basic program

## Features

- Hot dip galvanized steel gantry to grant maximum protection against oxidation; (option: powder painting).
- Visible nuts and bolts in stainless steel.
- Side brushes on driven trolleys with double cross-wash at the vehicle's front and rear ends (Overlapping system for Baltic HP, option for Baltic).
- Electrical plant as per european norms; low voltage auxiliary circuit (24 V); motors fitted with individual overload protection.
- Electrical controls fitted in a double cabinet with door-lock switch and equipped with PLC.
- Pre-set for the use of reclaim water.
- Gantry movement with inverter device.
- Shampoo and prewash chemical dosing pumps as standard equipment on Baltic Hp.
- Manual water drain (frost protection).

Options <i>Choice of options, example</i>	<b>Baltic</b>	<b>Baltic HP</b>
Services catenary on posts 18/26 m	x	x
Services catenary with wall brackets 18/26 m	x	x
Floor mounted services catenary 18/26 m	x	x
Robowash	x	-
Underchassis wash	x	x
Underchassis wash+Wheel wash with 4 rotating heads/nozzles 70 bar	-	x
Underchassis wash+Wheel wash with 4 rotating heads 30 bar	-	x
Underchassis with 2 rotating heads 30 bar	-	x
Fixed underchassis with rotating nozzles 70 bar	-	x
Uniop with keyboard	x	x
Card reader	x	x
Banknote and token acceptor	x	x
Automatic frost protection	x	x



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