



ceccato
wash systems



Wash Proposal

Ceccato LFO Bus and Truck Wash Unit

January 2010

Introduction

Ceccato Wash Systems holds the Australian distribution rights for the Ceccato and MacNeil range of car washing equipment. For more information on Ceccato Wash Systems please visit our website at www.ceccatocarwash.com.au.

This document has been produced to provide detailed information about the Ceccato LFO bus and truck wash. For a personalized quotation please contact us on 1300 155 115.

Ceccato Italia

Ceccato is Italy's largest manufacturer of vehicle wash systems. A privately owned company, Ceccato has more than 53 years of continuous experience in the design and production of car, truck, bus, tram, train washing and wastewater recycling equipment.

The Ceccato vehicle wash equipment manufacturing plant is located in Alte di Montecchio Maggiore (VI), Italy with an undercover production area in excess of 20,000 square metres. Ceccato employs a total of 300 people, has an average production of 1100 wash systems per year and has subsidiaries in Europe, North and South America, the Middle East, North Africa, Australia and Indochina. Ceccato Wash Systems is the Australian distributor of Ceccato S.p.A.

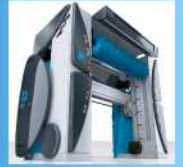
Ceccato is a preferred supplier of vehicle washing systems to major international oil companies including Chevron Corporation, BP, Aral, Shell, Esso and Total. Ceccato machines are used by Ferrari, Maserati and Alfa Romeo in their factories to wash new cars before they are sent to showrooms for sale.

Ceccato S.p.A has been under continuous Ceccato family management since inception and is one of the most financially stable companies in the industry, worldwide.

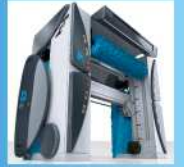
Ceccato Wash Systems is able to offer full 24/7 technical support, service and maintenance of the Ceccato range of vehicle wash systems throughout Australia.



Ceccato S.p.A's corporate headquarters in Vicenza, Italy.



Ceccato LFO Bus and Truck Wash



LFO Bus and Truck Wash System Overview

Ceccato LFO is the best choice for bus and tram depots and high volume commercial vehicle wash stations. The main advantages of the LFO system are the remarkable ease of use and a very high hourly capacity (up to 60 vehicles/h). The robust structure and the simple construction make it a very reliable and easy to use machine.

The range includes two different wash heights (further heights on demand) and between 4 and 7 brushes the number dependant on your specific needs. The structure can be closed (for higher rigidity) or open (for trolley-buses). The machine can use recycled water.



Prompted by a traffic light indicator system the vehicle enters the LFO wash bay. The driver is guided into the bay by wheel guides that are affixed to the ground.

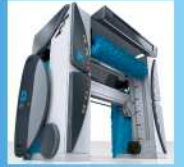


The machine is equipped with a photocell system that engages the high pressure wash arch as the bus is slowly driven into the wash bay.

The high pressure pre-wash blasts contaminants off the surface of the vehicle, thoroughly wetting it in preparation for the wash cycle.



Emollient in the form of a fine mist is emitted from the gantry, coating the bus in a thin film.





As the driver continues to move slowly through the wash bay the photocell control system activates the side brushes.

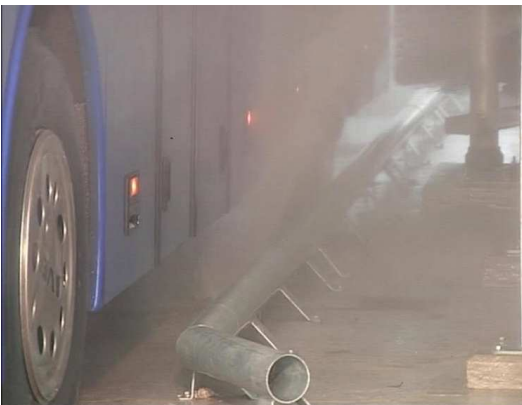
The brushes pass across the front of the bus rotating at high speeds.



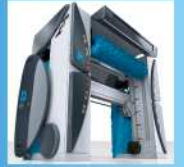
The high pressure arch blasts streams of water to effectively and powerfully clean the roof of the vehicle.



Depending on the chemical configuration each wash arch engages as the bus moves in proximity to it effectively applying wash chemicals before, during and after the brush motion.



The fixed wheel guide ensures that the vehicle passes optimally through the wash bay effectively eliminating any risk of vehicle or machine damage caused by driver error.

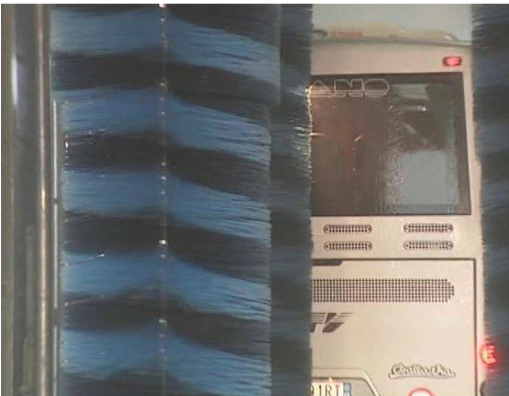




A typical wash time for a 12m bus is one minute. Should a driver consider his vehicle to be in a particularly dirty state he or she may pause at certain intervals through the wash cycle to give extra attention to problem areas. In this scenario the traffic light system will prevent the possibility of another vehicle entering the bay until the longer than usual cycle is completed.



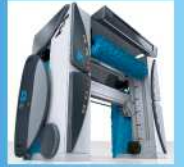
The final arch rinses the vehicle with fresh water or water specially treated to expedite surface drying.



Both the front and rear of each bus are thoroughly cleaned through multiple passes of the side brushes. These brushes rotate both clockwise and anti clockwise for maximum cleaning effectiveness.



As the bus leaves the wash bay the photocell system resets the bus wash program and turns the traffic light indicator to green at the entry way – ready for the next wash cycle.



Technical Data & Features

Range: LFO, LFC
 Versions: LFO 435,441,535,541,635,641,735,741 & NLFC541
 Models: LFO 435-741, NLFC 541

		LFO 441 LFO435	LFO 541 LFO 535	LFO 641 LFO 635	LFO 741 LFO 735	NLFC541
Horizontal brushes	Qty	-	1	-	1	1
Vertical brushes	Qty	4	4	6	6	4
Required wash bay width	M	5.9	5.9	5.9	5.9	6.5
Required wash bay width height (mod 41)	M	5	5.9	5	5.9	5.8
Required wash bay height (mod 35)	M	4.25	5.25	4.25	5.25	5.2
Required wash bay length	M	12.0	13.0	14.0	14.5	6.5
Vehicle useful height (mod 41)	M	4.1	4.1	4.1	4.1	4.1
Vehicle useful height (mod 35)	M	3.5	3.5	3.5	3.5	3.5
Vehicle useful width	m	2.5/2.7	2.5/2.7	2.5/2.7	2.5/2.7	2.6
AC Voltage	v	230/400	230/400	230/400	230/400	230/400
Control Voltage	v	24	24	24	24	24
Installed power	kW	10.29	11.77	13.2	15.0	9.6
Energy consumption / vehicle	kWh	0.17	0.19	0.22	0.25	0.24
Detergent consumption / vehicle	ml	60	60	60	60	60
Average water consumption / vehicle	l	400	400	400	400	400
Compressed air working pressure	bar	6	6	6	6	6
Washing time (12m bus)	min	1	1	1	1	2

Features: LFO

- Automatic "drive through" washing system
- Modular structure, hot dip galvanised and painted upon request
- Available in 8 versions and 2 washing heights (3.5m and 4.1m)
- Top brush pneumatically controlled counterweight
- Side brushes controlled by pneumatic cylinders
- Unit activation photocells and traffic lights
- The structure can be closed or open to allow the washing of electric buses, trams or vehicles with special roof assemblies.
- Can be equipped with additional prewash high pressure and chemical arches, rinse aid arches and fixed drying system with 4 to 6 blowers

Features: NLFC

- Automatic "drive through" washing system
- Modular structure, hot dip galvanised and painted upon request
- 5 brushes, pneumatically controlled. 4 side brushes and 1 top brush
- Washing height 4.1m
- Unit activation photocells
- Can be equipped with additional prewash high pressure and chemical arches, rinse aid arches and fixed drying system with 4 to 6 blowers



Ceccato Wastewater Recycling System

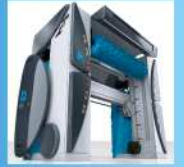
Different sites may be required to install a wastewater recycling system in conjunction with their LFO bus and truck wash unit. For other sites it will be optional.

The Ceccato Wastewater recycling system is designed to recycle 90% of the water that can be collected from the vehicle wash process. This normally equates to around 80-85% of the total water used, resulting in savings in water and effluent costs of up to 85%. The system will deliver clear recycled water to the pre-wash foam and brush wash stations at the maximum rate of 5000 litres per hour.

The system will receive water from an aerated settlement tank connected to the wash bay drain (customer to supply) and deliver it to the media filtration system where dirt particles will be removed.

pH levels are automatically monitored during the transfer of wastewater from the settlement tank. The partially treated water will drain to a secondary holding tank (not included in our price) which will also be aerated by the Ceccato system to effectively odour control and pH adjust as required.

The secondary holding tank/compartment will be fitted with an automatic level control for fresh water top-up on demand. The Ceccato Wastewater Recycling System is equipped with a fully programmable process control.



Preventative Maintenance

The key to efficient equipment operation is effective and timely equipment maintenance. The Operators Manual contains recommended preventative maintenance procedures; however, we recommend consideration to acceptance of a Ceccato Wash Systems Pty Ltd Preventative Maintenance Program to provide regular routine preventative maintenance inspections to keep the equipment in peak operating condition.

Our nominated service technician will be a member of the installation team at your site to ensure complete familiarity with the installation and all prevailing site conditions. The service technician will be based in Sydney and will be available on a call-out basis.

Preventative Maintenance Program

After execution of our Servicing & Maintenance Agreement, Ceccato Wash Systems will visit your site once monthly to inspect the washing system and carry out preventative maintenance service. Preventative maintenance service shall be conducted during business hours between Monday and Friday.

Once monthly service will consist of:

1. Inspect all lubrication points and lubricate as necessary
2. Check all spray nozzles and clear any blockages
3. Check system activation
4. Inspect cable train, cables, hoses and connections
5. Inspect wheel guides for damage, remove any floor debris
6. Check wheel guide floor fasteners
7. Check all sensors and switches
8. Check brushes for wear
9. Check dosing adjustments, adjust as necessary
10. Check recycled water for odor and clarity
11. Inspect and clean oil / water separation system
12. Check position and condition of signs, traffic lights and bay lighting
13. Run a vehicle through a complete standard wash program & inspect the result for effectiveness – adjust as necessary
14. Inspect and operate any supporting equipment under service
15. Check chemical levels and report to user for replacement
16. Prepare service report and submit to user

Ceccato Wash Systems Pty Ltd will not be responsible for the cost of repair or replacement as a result of user modifications, damage caused by vandalism or other causes outside Ceccato Wash Systems Pty Ltd control.



Non-Scheduled Maintenance (National 1300 799 463)

Ceccato Wash Systems Pty Ltd will provide non-scheduled maintenance on the designated system at the designated site upon receipt of a request from the customer. Ceccato Wash Systems Pty Ltd will contact the site within 60 minutes of customer notification and attend the site within one working day of receipt of the customer request.

Upon attendance at the designated site, Ceccato Wash Systems Pty Ltd will determine whether the maintenance is warranty related or customer responsibility before incurring any expense other than for site attendance. No additional expense will be incurred unless and until the customer provides necessary authorization.

If service is deemed to be warranty related, Ceccato Wash Systems Pty Ltd will secure approval to proceed with repairs / replacement under warranty conditions on behalf of the customer.

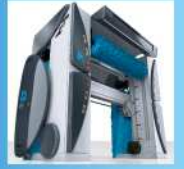
Ceccato Wash Systems Pty Ltd will maintain stock of spare parts at our service base that it deems appropriate to suit the system.

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Our current maintenance charges (subject to change) are:

Hourly Service Rates: Non Scheduled Maintenance Charges (non warranty)

- Hourly Rate 7.30am to 5pm Monday to Friday = \$95.00 per hour
- Hourly Rate Outside Normal Hours = \$135.00 per hour
- Hourly Rate Public Holiday / Sunday = \$135.00 per hour
- Call Out Travel Allowance = 1 Hour
- Minimum Site Charge = 1 Hour



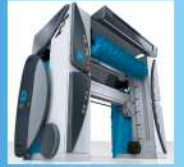
Routine Inspections

Ceccato Wash Systems Pty Ltd recommends that the following weekly maintenance checks are carried out by the operator.

1. Inspect chemical levels
2. Inspect drains and pits for debris or obstructions
3. Check automatic system activation
4. Observe one full wash cycle by automatic vehicle activation

It is also recommended that the wash bay be kept clean and free of waste materials and debris and that grated drain covers are not obstructed.

In the event that any malfunction is observed, Ceccato Wash Systems is available 24/7 on 1300 799 463 for service and support from our service base.



Equipment Pricing

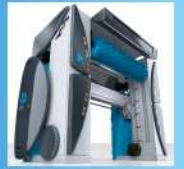
Our price to supply, deliver and install the following equipment as described is:

LFO Bus Wash System	\$124,766 plus GST
Optional Extras	
Emollient arch	\$7,570 plus GST
Wax arch	\$5,779 plus GST
Shampoo arch	\$5,339 plus GST
Pre wash arch	\$7,771 plus GST
Drying system	\$37,453 plus GST
Splash guards	\$7,463 plus GST
Wheelguides	\$2,235 plus GST
Ceccato Wastewater Recycling System	\$24,500 plus GST

Note:

This pricing is fully inclusive of all international freight, supply, delivery and installation costs. Our trading terms for equipment and installation are 50% with order, 30% upon arrival to Australian Customs and the balance upon final commissioning unless varied by separate written agreement. L/C arrangements are acceptable.

The payment price utilizes a Euro/AUD conversion rate of **0.61**. Any strengthening of the Euro above this conversion rate will result in an increased charge to bring about parity.



Exclusions

Offers contained in this proposal do not include,

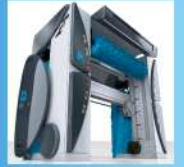
- Power Supply to the Site
- Water Supply to the Site
- Sewer Line Extension or Connection
- State and Local Authority Approvals
- Landlord Approval
- Excavation or Concrete Cutting other than footings and essential wash bay drainage
- Delays Beyond our Control (including adverse weather)
- Fencing
- Road or Pavement Works
- Signs
- State or Local Government Fees and Charges
- Landscaping
- Additional Work Due to any Variations to the Site or Equipment Plan
- Additional transport, storage or demurrage charges should the customer not immediately be able to take delivery of the equipment once it clears Australian Customs.

Warranty

All equipment supplied by Ceccato Wash Systems Pty Ltd has been tested and inspected at the plant and is warranted to be free from defects in material and workmanship. All equipment, is warranted for a period of one (1) year. Any part that proves, upon our examination, to be defective, will be replaced without charge. In the event of repair or replacement, this one (1) year warranty is non-cumulative. This warranty shall not apply to equipment and parts subjected to abusive or improper use, lack of maintenance or accident and shall not cover normal wear and tear or to certain wearable components such as seals. This warranty also does not apply to equipment and components used with chemicals not approved by Ceccato Wash Systems. Except as expressly stated herein, Ceccato Wash Systems is never liable for damages of any kind in connection with the purchase, maintenance or use of this equipment, including loss of profit and any and all consequential damages.

THE WARRANTY EXPRESSED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR FITNESS FOR A PARTICULAR PURPOSE.

Ceccato Wash Systems does not authorise anyone to enter into any agreement or assume any obligations or liabilities in connection with this Warranty. This Warranty applies to the original Ceccato Wash Systems equipment purchaser only and is not transferable.



Trading Terms

Our trading terms for equipment and installation are 50% with order, 30% upon arrival to Australian Customs and the balance upon final commissioning unless varied by separate written agreement.

If additional transport, storage or demurrage charges are incurred due to the customer not being able to take delivery of the equipment, they are payable upon receipt of invoice from our freight forwarder.

The payment price utilizes a Euro/AUD conversion rate of **0.61**. Any strengthening of the Euro above this conversion rate will result in an increased charge to bring about parity.

Sincerely

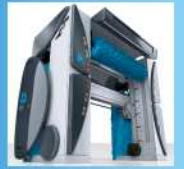
Paul White
Sales Director

On behalf of.....
I accept this proposal and the charges, terms and conditions herein.

.....
Director

Ceccato Wash Systems Pty Ltd has taken reasonable efforts to ensure that the foregoing information, pricing, specifications, capacities and dimensions are accurate and applicable at time of publication Ceccato Wash Systems Pty Ltd will not be liable for errors or omissions that may occur. Technical specifications and performance standards may change without notice.

18/35-39 Higginbotham Road Gladesville NSW 2111
Phone 1300 155 115
www.ceccatocarwash.com.au

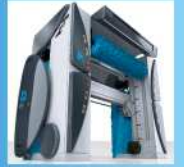





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