

The importance of choosing Ceccato.

To choose Ceccato Water Savers means assuring 10 great advantages.

- 1 **integration**
The purifying system is designed made-to-measure for the gantry, the tunnel or the Ceccato bay: so that all performances are naturally optimised.
- 2 **more efficiency**
An optimal purification makes the system work better and enables increasing the washing quality.
- 3 **reduced maintenance**
It is a natural consequent of full integration with the washing system: the system requires reduced and easily manageable maintenance interventions.
- 4 **system duration**
A Water Saver purifying system extends duration of the system, thus reducing the amortisation and working costs.
- 5 **qualified and full service**
All the experience of Ceccato at your service: for preliminary study, the designing of the tanks, the organisation of the washing bays, the installation, the start-up, the formation and the adjustment. Also for the formulation chemical products most suitable for your system.

Choosing to associate a Water Saver to ones own Ceccato washing system means preferring a concrete and visionary partner: able to undertake global responsibility of the system functioning and to accompany the customer into the future, made of efficient and sustainable solutions.

- 6 **energy saving**
Reduced water and detergent consumption also entails a decrease in the system energy need: an immediately verifiable convenience.
- 7 **tax saving**
To respect the environment is also worthwhile economically: who installs the Water Saver purifying systems complies with the most severe international Standards and benefits from tax incentives established in the country of installation.
- 8 **competitiveness** (on costs with other washing areas)
The optimisation of the working costs, the energy and tax saving make the washing systems purified with Water Saver perfectly competitive.
- 9 **profitability**
A washing area equipped with Ceccato Water Savers and systems enable higher profit margins, for a wider range of time: basically, the squaring of the circle.
- 10 **single correspondent**
Ceccato is able to deal with all aspects linked to washing, of primary and waste waters, placement and maintenance of the buried tanks: for a simpler full management, from designing to maintenance.



More than cleaning. The Ceccato path.

The process has been started and can no longer be stopped as everyone is involved for years, at every level, making us all protagonists of a mutual set-up, leading us to a progressive transformation - aesthetical and functional - of our products.

To manufacture the most efficient and effective systems is important, but no longer enough.

Today vehicles cleaning is a determining but partial aspect of a system integrating actions between them, that aim at a delicate, but ever more strategic, balance: that of sustainability. For example, sustainability of the materials used to manufacture the systems, with the progressive abandoning of plastics; design sustainability: to make the systems better looking and re-quality urban spaces; sustainability of an increasingly more rational production cycle: to also reduce the transporting of raw materials and CO₂ emissions.

Environmental sustainability and corporate sustainability in a world that is quickly changing the game rules, must go side by side: one can no longer exist without the other.

The concept of efficiency is also drastically changed: which is more efficient between a system giving brilliant results with regard to cleaning of the vehicles but that consumes a lot of water and energy and produces highly polluting waste, or a system that on equal detergent performance, saves electric energy, enables recycling most of the water and reduces or even eliminates the polluting percentage of drain waters?

Us of Ceccato have no doubts. And you?



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WATER SAVER

Water Saver: state of the art water purifying.



Water Saver: the value of experience.

We have been manufacturing purifying systems for more than fifteen years.

We design them together with our gantries, tunnels and washing bays, which are, to all effects, integrating part. Our Water Savers enable complying with the most severe environmental Standards and assure important competitive advantages in terms of working costs and energy saving.

The Water Savers are the result of the continuous research activity and represent the synthesis of our way of being a solid and responsible company. On all fronts.



A complete range of solutions.

Our Water Savers cover all market needs, from the small car washing to the areas equipped for the cleaning of large transport means, even simultaneously:

- systems for treating primary waters and improving the water at washing system inlet;
- systems that treat the outlet water depending on parameters complying with legal limits and enable the recycling of drain water in the washing system;
- systems that separate sand and oils from the first rain waters, meaning that which falls within the first 15 minutes, homogeneously, on the draining surface.

Water Saver: a rational choice.

The completeness of the Ceccato Water Saver range helps you choose the best purifying system, based on the operational objectives and conditions.

The right combination of treatments allows respecting the parameters for the drain to sewage system or to superficial waters and to re-use the adequate amount of water for an ideal washing.

To be able to choose the best purifying system, ask yourselves 3 simple questions:

- 1 Where can you drain the washing waters?
In sewage system? In superficial waters? Into the soil?
- 2 Do you want to recycle treated water?
- 3 How many washing systems are there?
And of what type?

The answers directly influences on the "size" of the treatment system.

The drain waters compliant to law. And conscience.

The drain waters of a car washing system contain, as well as the substances washed from the vehicles, a consistent amount of shampoo, hydrocarbons, waxes, iron, zinc and lead.

The modern designing technologies of the systems improve their efficiency, reducing the chemical substances used to a minimum. However, the polluting load remains above the legal limits, for draining in superficial water or sewer system and, in particular, above to what the environment can support. This is why purifying is also a matter of ethics.

Parameter	Medium drain				Examples of legal limit - Italy		
	Brush gantry	Touchless gantry	Self service bay	Lorry wash	Superf. waters	Sewage	soil
pH	6.3 - 7.6	6.3 - 7.6	6 - 7	6.3 - 7.6	5.5 - 9.5	5.5 - 9.5	6 - 8
Tot. susp. Solids mg/l	160	160	120	170	80	200	25
BODS mg/l	140	145	180	135	40	250	20
COD mg/l	280	280	300	270	160	500	100
Tot. hydrocarbons mg/l	10	10	15	18	5	10	-
Tot. surfactants mg/l	18	20	25	25	2	4	0.5
Iron (Fe) mg/l	5	5	5	5.2	2	4	2
Zinc (Zn) mg/l	0.6	0.6	0.6	0.7	0.5	1	0.5
Lead (pb) mg/l	0.1	0.1	0.1	0.1	0.2	0.3	0.1

A close-up of the treatments.

Physical treatments.



Biological-Physical treatments.



Chemical-Physical Treatments.



Chemical-Physical Treatment for Northern-Europe.



First rain waters treatment.



Recommended purifiers.

PURIFIER CODE	DESCRIPTION	SYSTEMS							
		PHOENIX TECH	HYDRUS TECH	PEGASUS TECH	HYPERION TECH	HERCULES	BALTIC	EASY	LABRADOR MAX 3 P.
Drain in sewage collector									
B/3a	Physical treatment 4.5 mc/h with carbons and quartzite column	•	•	•	•	•	•	•	•
B/6a	Physical treatment 7 mc/h with carbons and quartzite column	•	•	•	•	•	•	•	•
Bio 3 B	WS Bio 3B buried biological	•	•	•	•	•	•	•	•
Bio 5 B	WS Bio 5B buried biological	•	•	•	•	•	•	•	•
Bio 10 B	WS Bio 10B buried biological	•	•	•	•	•	•	•	•
Drain in recycle and sewage collector									
B/3b	Physical treatment 4.5 mc/h with carbons and quartzite column + oxygenation kit	•	•	•	•	•	•	•	•
B/6b	Physical treatment 7 mc/h with carbons and quartzite column + oxygenation kit	•	•	•	•	•	•	•	•
Bio 3 B/Q	WS Bio 3B/Q buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 5 B/Q	WS Bio 5B/Q buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 10 B/Q	WS Bio 10B/Q buried biological kit with 1.5 kW pump	•	•	•	•	•	•	•	•
Drain in superficial waters without recycle									
Bio 3 B/C	WS Bio 3B/Q buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 5 B/C	WS Bio 5B/Q buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 10 B/C	WS Bio 10B/Q buried biological kit with 1.5 kW pump	•	•	•	•	•	•	•	•
Drain in superficial waters with recycle									
Bio 3 B/QC	WS Bio 3B/QC buried biological kit + WS Bio 3 kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 5 B/QC	WS Bio 5B/QC buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 10 B/QC	WS Bio 10B/QC buried biological kit with 1.5 kW pump	•	•	•	•	•	•	•	•
Drain with particularly restricting limits with or without recirculation									
Bio 3 B/QCC	WS Bio 3B/QCC buried biological kit + WS Bio 3 kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 5 B/QCC	WS Bio 5B/QCC buried biological kit with 0.6 kW pump	•	•	•	•	•	•	•	•
Bio 10 B/QCC	WS Bio 10B/QCC buried biological kit with 1.5 kW pump	•	•	•	•	•	•	•	•
Purifiers for Northern Europe									
Special	Standard kiesfilter	•	•	•	•	•	•	•	•
Special	Kiesfilter with pH and conductivity regulator	•	•	•	•	•	•	•	•
Special	Kiesfilter with pH regulator	•	•	•	•	•	•	•	•
Special	Kiesfilter with conductivity regulator	•	•	•	•	•	•	•	•

- To be checked case by case
- Advised against feeding add-osmosis sys. with recycled water