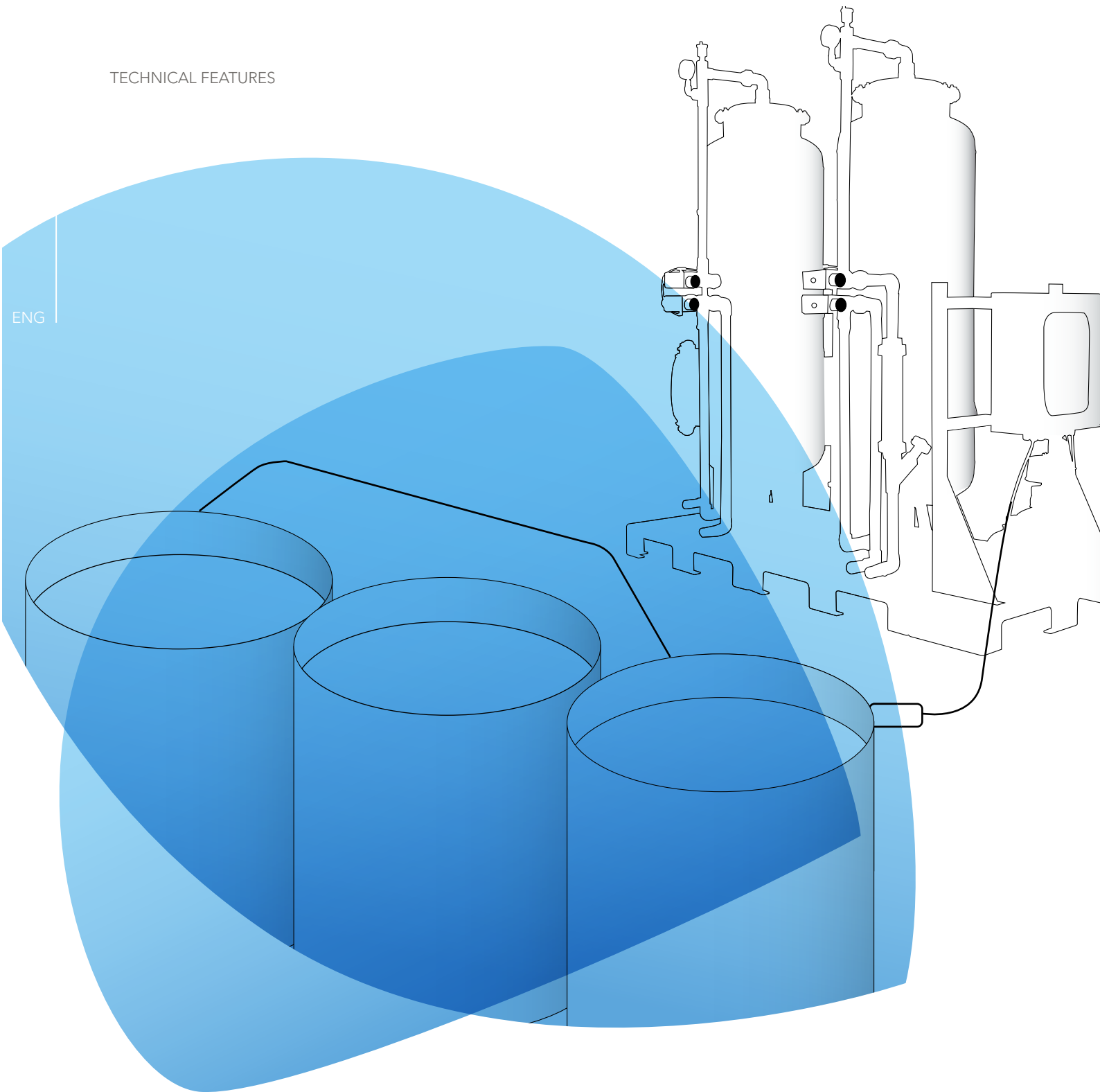


WATER SAVER

TECHNICAL FEATURES

ENG



ceccato
live bright

Main features

Ceccato has been manufacturing water treatment units for over 15 years and can deliver excellent solutions and processes to meet the different requirements for the treatment of waste waters that are generated by vehicle washing systems. All recycling units of the Water Saver range have been designed and developed in order to comply with clear objectives: best attention to the environment, reliability and facility of use and maintenance. The product range of water recycling units is very large and includes physical as well as biological systems. The biological process is the most natural one among the different systems, can be delivered complete with fully automatic filtering solutions with quartzite and/or active carbons columns.

Physical system

These ranges of units are cleaning the water by means of physical filtering and absorption processes, using quartzite and active carbons. The units are available with capacities 3 - 5 m³/h and 9 - 10 m³/h.

Completely automatic, with very low running costs, it is completely preassembled on a hot dip galvanised skid.

Technical features:

.Automatic operation

.in the "Water Saver" range of units, all phases of the water cleaning process are carried out automatically.

They are activated by means of pneumatic valves and supervised by the electric system and the control PLC

.Very fast and easy installation

.Preassembled on a skid

.Steel made, galvanised and painted

Biological system

The technique used for this recycling process is called biological treatment on adhering film. The name derives from the fact that a number of micro organisms are forced to proliferate and grow as a fixed film on suitable supporting material. Thank to the technical solutions adopted for these units and the use of a special bio film supporting material, these systems represent, in conditions of temperate climate, the most natural solution for the depuration and recycling of waste water generated by car wash operations.

The biological treatment reproduces what is happening in nature in the self-depuration capacity of fluvial systems. In these processes the degradation of water organic pollution load is obtained from aerobic micro organisms that transform the dirt into elementary substances that are innocuous for the environment.

.Available sizes: 1,5 / 3 / 5 / 10 m³/h

.The unit is completely buried in the ground*

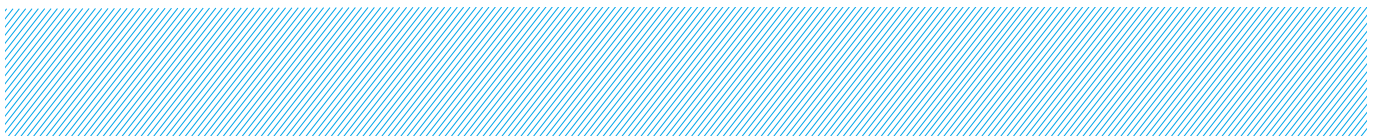
.to reduce installation space above the floor and improve operation efficiency, the system, including the biological reactor, is installed underground

.for the units with capacity 1,5 mc/h and 3 mc/h, the biological system includes the sealed water tank on trolley

.upon request, Ceccato can supply the complete water tank system of all recycling units

.Low noise level**

.water oxygenation is carried out by means of blowers with side channels. The aeration system, efficient and noiseless, delivers the amount of air that is needed to support the biological activity

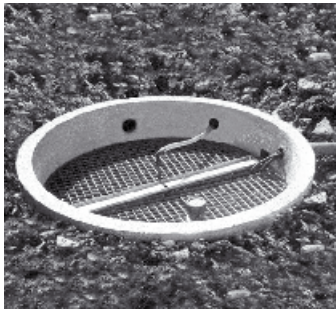




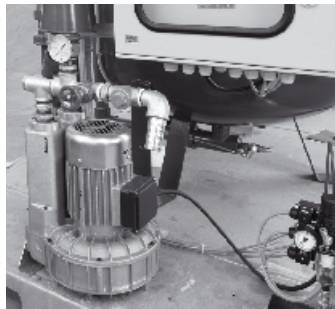
.Filling elements with high specific surface***

- .the biological process is optimised by using special plastic filling elements. The biomass finds in these elements the suitable habitat for its development and transforms, at the same time, the polluting contaminants of the waste water into minerals, thus allowing to meet the wastewater discharge norms
- .a filtering column, filled with active carbons or with quartzite, can be added to the recycling unit to improve the water quality

***Underground System**



****Noiseless**



*****High surface filling elements**

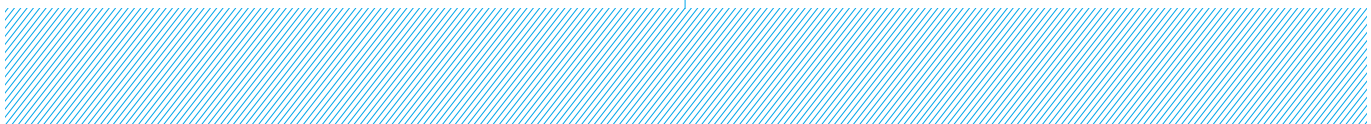


Special water recycling units – upon request

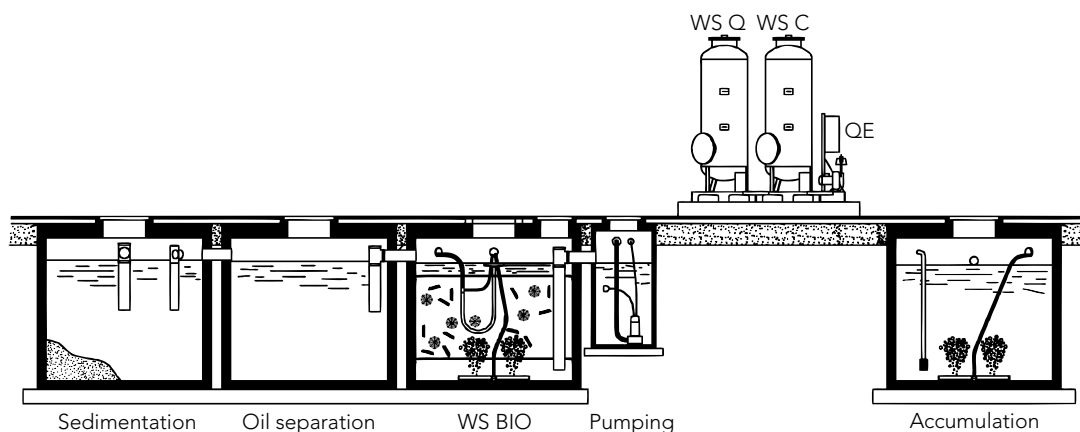
Ceccato is in a position to deliver the best suitable solutions and cope with every requirement in the field of waste water reclamation. Working closely with the final customer, we can develop specific projects, starting from the inspection of the site, the analysis of the local waters and the development of the plan, in compliance with the environmental protection norms.

We deliver following services:

.Dedicated design	.Start-up and commissioning
.Installation	.After sale service



Detail Water Saver



Technical features

CONFIGURATION	DESCRIPTION	MODELS								
		ARIES	ANTARES / HYDRUS	BALTIC	PEGASUS	HYPERION	HERCULES	EASY	LABRADOR MAX 3 B.	LABRADOR MAX 6 B.
Discharge into urban sewer system										
B/3a	Physical treatment 5 cm/h with quartzite and carbon filter column	•	•	•	•	•		•	•	•
B/6a	Physical treatment 10 cm/h with quartzite and carbon filter column						•			
Bio 3 B	Biologic buried system WS Bio 3B	•	•		•			•	•	
Bio 5 B	Biologic buried system WS Bio 5B			•		•				•
Bio 10 B	Biologic buried system WS Bio 10B						•			
Discharge into urban sewer system and recycling										
B/3b	Physical treatment 5 cm/h with quartzite/ carbon filter column and oxygenation system	•	•	•	•	•		•	•	•
B/6b	Physical treatment 10 cm/h with quartzite/ carbon filter column and oxygenation system						•			
Bio 3 B/Q	Biologic buried system WS Bio 3B/Q with pump 0,6 kW	•	•		•			•	•	
Bio 5 B/Q	Biologic buried system WS Bio 5B/Q with pump 0,6 kW			•		•				•
Bio 10 B/Q	Biologic buried system WS Bio 10B/Q with pump 0,6 kW						•			
Discharge into surface waters, with or without recycling										
Bio 3 B/QC	Biologic buried system WS Bio 3B/Q with pump 0,6 kW	•	•		•			•	•	
Bio 5 B/QC	Biologic buried system WS Bio 5B/Q with pump 0,6 kW			•		•				•
Bio 10 B/QC	Biologic buried system WS Bio 10B/Q with pump 0,6 kW						•			

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