

ALPHA MONOBLOCK

GENERAL CHARACTERISTICS

The monoblock is a compact plant used by small and medium-sized production companies such as car-washes, garages, laundries, etc. There are two versions, the fully automatic KL series and the semi-automatic VL series; both promise high quality purification and are extremely economical to run.

STANDARD CONFIGURATION

The plants are made of thick carbon steel with an epoxy coating to protect them against chemical and atmospheric agents.

OPERATION

The purification process is carried out entirely in the monoblock.

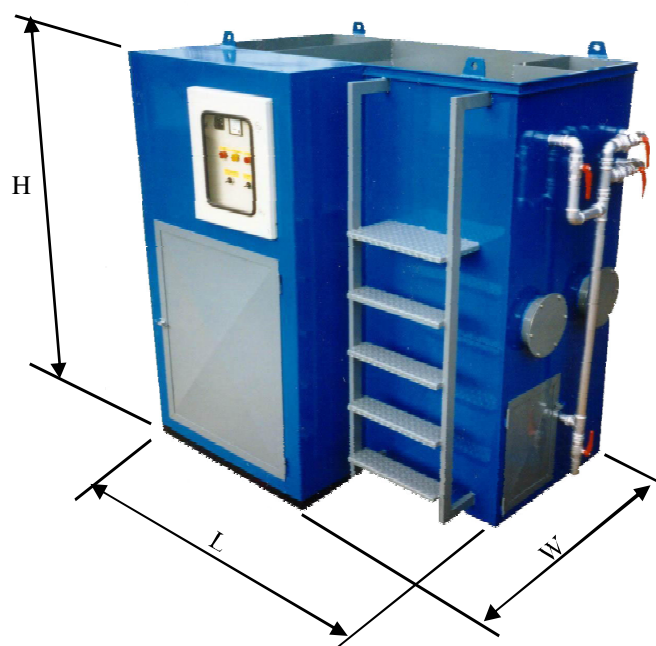
Before reaching the ALPHA purification unit, the waste water passes through the sections of the scum box, where any sand and suspended oils are removed. An automatic lifting station then supplies the waste water to the monoblock, while a flow switch checks and guarantees the correct load to be sent to the purification module. Chemical reagents are then added to the waste water to eliminate the polluting substances. The water flows first through a quick static mixer and then a slow mixing section for clari-flocculation.

The water-sludge mixture that is formed reaches a hydro-dynamic filtration “fluid bed” where flocculation and sludge sedimentation occurs. The water, now cleansed of the unwanted substances, passes through a lamellar tube bundle for final refinement. In general, the water that leaves the clari-flocculator meets the legal requirements. Nonetheless, the plants feature another two sections for further improving the quality of the waste water: a sand-anthracite filter bed to eliminate any suspended solid substances and an active carbon “fluid bed” to remove any traces of solvents, metals, surfactants, etc.

This plant also involves the treatment of sludge which, when settled in the clari-flocculator, is periodically removed and sent to the bag filter unit to eliminate the water content. The filtered water is re-circulated in pipes above the plant.

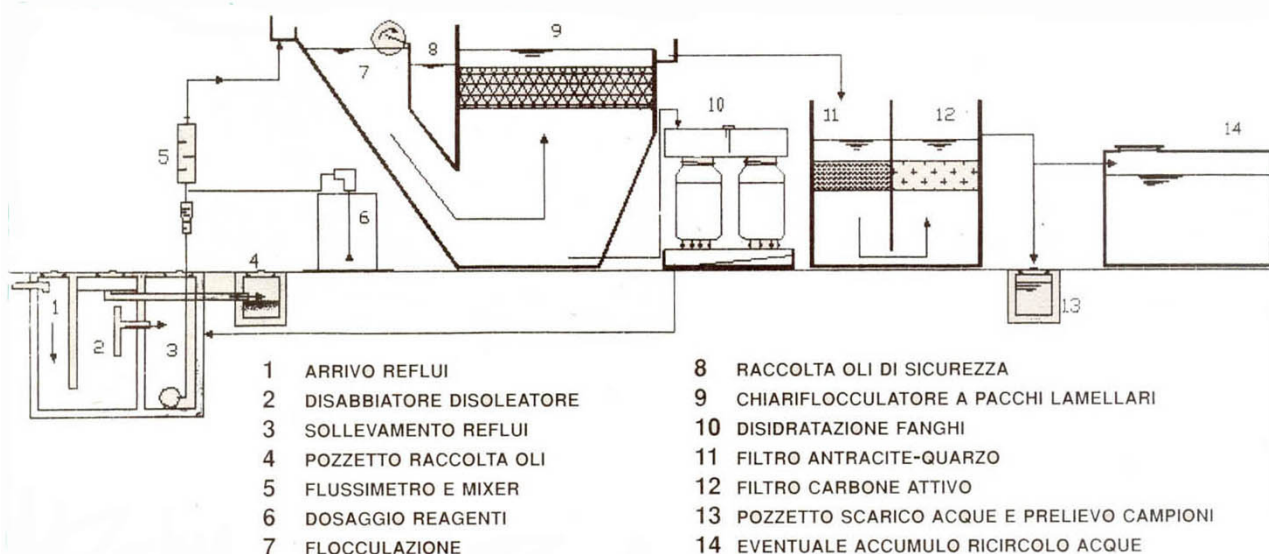


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Main Features	UNIT	Dimensions									
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MODELS		KL40	VL40	KL100	VL100	KL200	VL200	KL400	VL400	KL600	VL600
Length	cm	170	100	190	120	240	170	270	200	330	250
Width	cm	120	120	160	160	210	210	240	240	290	290
Height	cm	185	185	185	185	235	235	285	285	305	305
Flow	l/h	400	400	1000	1000	2000	2000	1000	1000	6000	6000
Power	kW	0,5	0,5	0,7	0,7	1,0	1,0	1,5	1,5	2,0	2,0



The company reserves the right to make modification and improvements without prior notice.