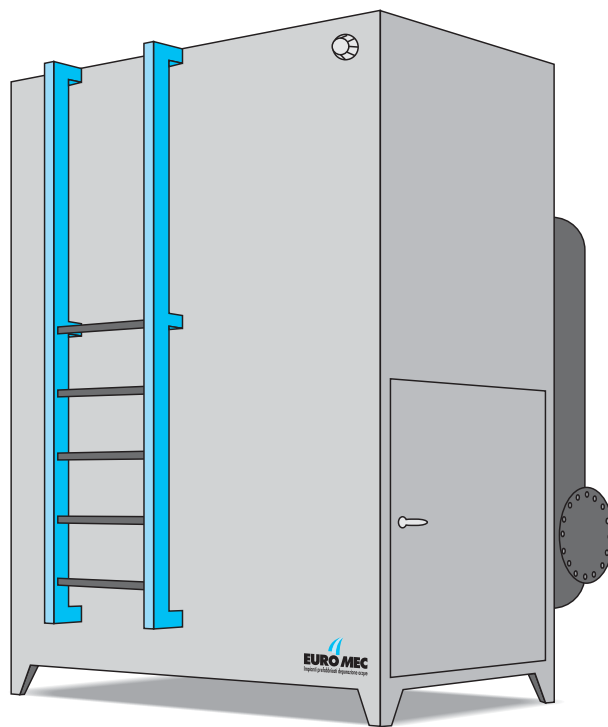




## CHEMICAL-PHYSICAL PLANTS

### ICF series



#### WHAT CHEMICAL-PHYSICAL PLANTS ICF SERIES ARE

The chemical-physical plants type EUROMECC ICF series are dimensioned in accordance with the Directive 91/271/CEE in order to comply with the acceptance limits of the A Table for the discharge on surface water.

The chemical-physical plants type EUROMECC ICF series are used for the treatment of water coming from different types of activities and are composed of a carbon steel monobloc structure containing a reaction/coagulation tank, a decantation tank, an active carbons filter column, sludge hose filters and all other devices necessary to ensure a good functioning of the plant.

The chemical-physical plants type EUROMECC ICF series can be installed outdoors with no trouble for their good functioning or their duration.

#### HOW CHEMICAL-PHYSICAL PLANTS ICF SERIES WORK

The chemical-physical plants type EUROMECC ICF series receive the sewage water directly from two earthed tanks effectuating the sand separation and oil separation process. The treated water goes through a submersible electropump into the reaction/flocculation section in which the water will be in close contact with the substances contained in the chemical reagents tanks (flocculating agent, coagulant and assistant reagent) with an automatic Ph control. The water subsequently passes from the reaction/flocculation section into the decantation section in order to separate clarified water from process sludge.

In order to comply with the acceptance limits the clarified water is sent to an active carbons filtering section (with high absorption power) and is discharged only after this treatment. Differently, the process sludge is periodically taken from the decantation section and dehydrated with hose filters in order to make their removal easier.

#### USED MATERIALS

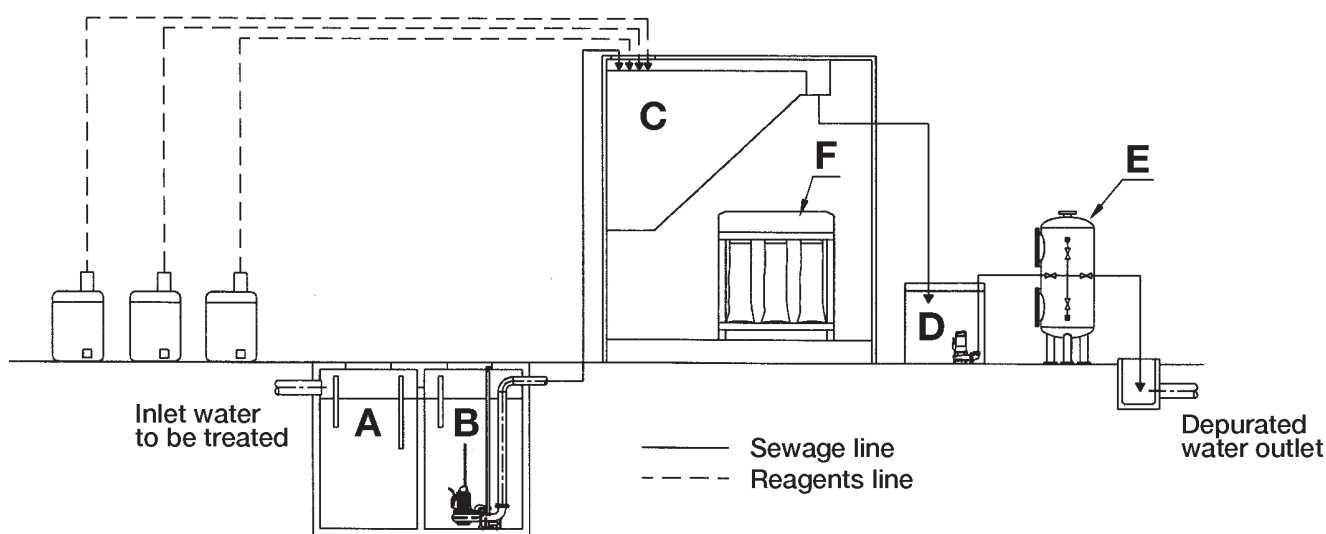
Pre-treatment tanks	:	highly resistant vibrated reinforced concrete
Chemical-physical plant	:	carbon steel
Various carpentry	:	AISI 304 stainless steel

#### SPECIFICATION

"Supply of a chemical-physical installation type EUROMECC ICF series for the depuration of water coming from different types of washing (car washings, car stations, engine deposits and car demolition sites) composed of two earthed tanks for sand separation and oil separation, sewage feeding submersible pump, with a monobloc stainless steel structure with reaction/flocculation phases, decantation, hose filter and active carbons filtering column."

## STANDARD PRODUCTION

### Functional scheme



### External plants dimensions

PLANT MODEL	Length cm	Width cm	Height cm	HOURLY FLOW RATE CAPACITY (lt/h)
ICF 0.4	130	90	220	600
ICF 1.0	130	90	220	1000
ICF 1.5	130	90	220	1500
ICF 3.0	200	120	260	3000
ICF 6.0	200	120	260	6000

### Filtering columns dimensions

PLANT MODEL	COLUMN DIAMETER cm	HEIGHT cm
ICF 0.4	450	1500
ICF 1.0	450	1500
ICF 1.5	450	1500
ICF 3.0	650	1500
ICF 6.0	650	1500

The above written data are given as information. The Society EURO MEC S.r.l. reserves the right to change them in every moment.