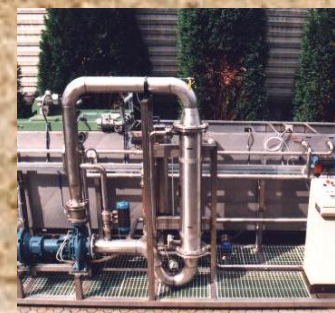


ULTRAFILTRATION UNIT  
FOR TREATMENT  
OF SPENT EMULSION  
SEPAR C - S

WITH AN ATTENTIVE  
EYE TO NATURE





# SPENT EMULSIONS TREATMENT UNIT SEPAR SERIES

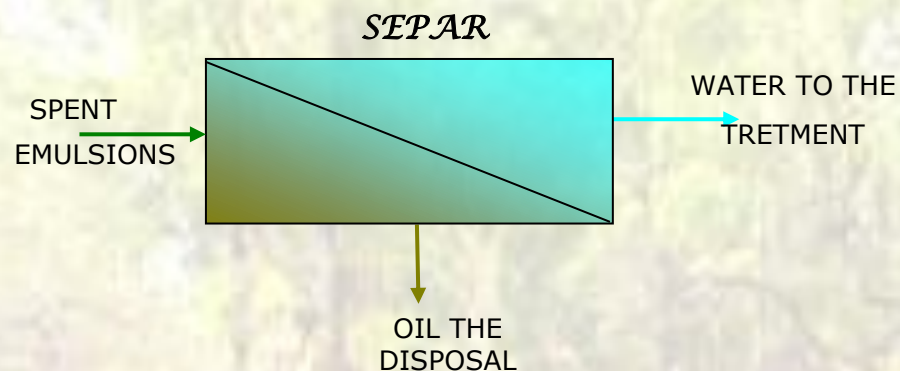
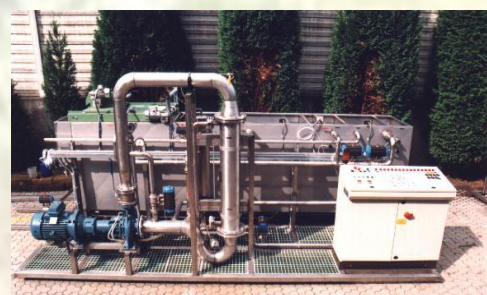
## APPLICATIONS:

Separation in water and in oil of emulsions coming from:

- TUBE PLANTS
- ROLLING MILL
- DIE CASTING
- MECHANICAL WORKINGS
- THERMAL TREATMENTS



## WORKING CYCLES



## MODELS CAPACITY

Model	l/h	Dimensions	Absorbed power (Kw/h)	Membrane surface (m2)
SEPAR C 35	35	1800x1400x2500h	1,5	0,35
SEPAR C 70	70	1800x1400x2500h	1,5	0,70
SEPAR C 100	100	2200x1400x2500h	5,2	1,05
SEPAR C 200	200	2200x1400x2500h	5,2	2,10
SEPAR C 250	250	2200x1400x2500h	6,2	2,45
SEPAR C 500	500	3000x1800x2500h	8,80	4,9
SEPAR C 1000	1000	3200x2000x2600h	15,0	13,3

Model	l/h	Dimensions	Absorbed power (Kw/h)
SEPAR S 602.4	200	1600X1400X1600h	2,5
SEPAR S 604.4	400	1800x1400x1600h	2,5
SEPAR S 602.8	800	3000x1800x1800h	4,5
SEPAR S 604.8	1.600	3000x1800x1800h	6,0
SEPAR S 606.8	2.500	3200x2200x2000h	8,0
SEPAR S 612.8	5.000	4000x3000x2000h	10,0
SEPAR S 624.8	10.000	5000x3200x2200h	12,5

## AVAILABLE MODELS

### SEPAR S

Unit working with polymeric spiral membranes. It is suitable to high deliveries of emulsion and it allows to get a concentrate of 30% oil.

### SEPAR C

Unit working with ceramic tubular membranes. Investment and management costs are higher compared to the unit S series but it allows to get more than 90% of concentrated oil in the concentrate.

Unit can be used in tale to S unit.

## OPTIONS

Condoroil Impianti can supply solutions for the treatment of spent emulsions that can cover all the involved process aspects. In particular:

### CATALYTIC OXIDATION – MOD. OXYTEC

It is a catalytic oxidation of the organic part of the permeate that uses like oxidation agent the compressed air (oxygen eventually) and its peculiarity is to not produce any sludge to dispose (on the contrary of what happens with Fenton process).

### OIL RECOVERY AND DELIVERY

To oil delivery into proper storage unit.

### PLC SIEMENS

In case this is preferable to the PLC Telemecanique installed as standard on the machine.



### CIRCUIT OF SEALS FLUXING

Where it is recommended in view of nature of the emulsion.

### DOUBLE PUMPS

One works and the other is in stand by, assuring the continuous working of the plant when maintenance takes place.



### AUTOMATIC SLUDGE DRAIN

It avoids the necessity to periodically replace the concentration tank.

### DIFFERENT DIMENSIONS

Upon specific request, units with different dimensions can be studied when standard dimensions are not compatible with the available spaces.