

SLV INTEGRATED LAMELLA PACK SEPARATORS

WATER IS PRECIOUS WE KNOW HOW TO LOOK AFTER IT
WE OFFER INNOVATIVE WATER TREATMENT SOLUTIONS

 **Convert
Green**

CIEM Engineering
Ingegneria per l'ambiente

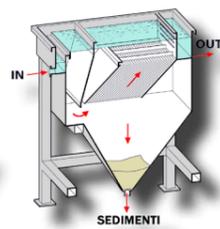
Help choosing the ideal separator

Complete plants by CIEM IMPIANTI

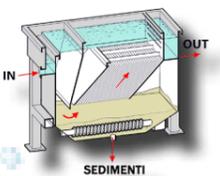
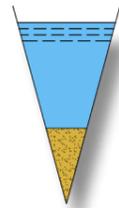
Here at Ciem Impianti Srl, we can design and construct full plug & play separation plants that can also be stored in containers, meeting all your requirements. This is all down to our treatment plant design experience and our direct insights in the field.

Sedimentation

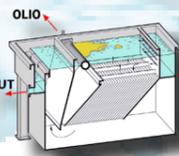
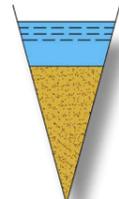
Oil removal Flotation



SLV
ASCENDING FLOW SETTLING TANK, WITH EQUIVALENT SURFACE AREA DEVELOPED FOR THE SLUDGE OR DISCRETE PARTICLE SEDIMENTATION STAGE.



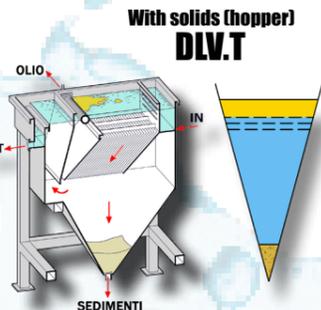
SLV.JC
ASCENDING FLOW SETTLING TANK WITH LARGE HOPPER AND WATER SCREW, WITH EQUIVALENT SURFACE AREA DEVELOPED FOR THE SEDIMENTATION STAGE TO DEAL WITH HIGH VOLUMES OF SLUDGE OR PARTICLES.



Without solids DLV
DESCENDING FLOW OIL SEPARATOR WITH EQUIVALENT SURFACE AREA AVAILABLE FOR THE STAGE WHERE OIL AND OTHER FLOATING SUBSTANCES ARE EXTRACTED.



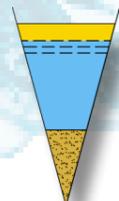
Sand removal



With solids (hopper) DLV.T

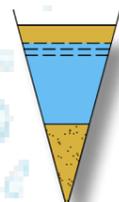
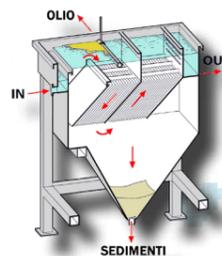
With discrete particles SDLV

COMBINED HORIZONTAL FLOW SEDI-OIL SEPARATOR, WITH EQUIVALENT SURFACE AREA DEVELOPED FOR BOTH THE OIL REMOVAL AND THE SEDIMENTATION STAGE.



With sludge SLV.FL

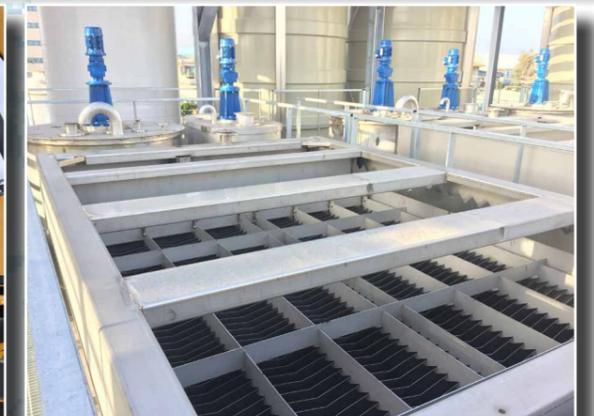
ASCENDING/DESCENDING FLOW SEDI-FLOTATION UNIT WITH TWO PARTICLE SEDIMENTATION AND FLOTATION STAGES IN SERIES



The sizing of the separators is determined by the particles' or sludge's **separating velocity** (in metres/hour). This allows us to establish the relationship between the **flow rate and equivalent surface area**. As a result, we can identify the level of particle separation based on the inlet flow rate.

Physiochemical treatment of process water

Example of a complete plant in earthquake zone 2. It features coagulation, flocculation and neutralisation tanks as well as 3 SLV model settling tanks for separating fluoride particles.



Aggregate washwater treatment

Example of a complete plant for separating aggregate washwater. It consists of 2 SLV model settling tanks for separating particles from the incinerator. It also recovers settled sludge.





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