

CORRUGATED PLATE INTERCEPTOR OIL-WATER SEPARATOR

SEPARATE OIL AND SLUDGE
FROM OILY WASTEWATER

Corrugated Plate Interceptor (CPI) is the most utilized oil-water separator, leveraging the specific gravity difference method to separate oil and sludge from oily wastewater.

It employs multiple slate or corrugated plates, or enhanced oil separation plates, arranged either slanted at a 45° angle or horizontally. This configuration directs the flow from the top to the bottom, effectively increasing the separator's horizontal surface area without necessitating a larger basin.

FEATURES



PRINCIPLE OF SEPARATION
Buoyancy application



SEPARABLE OIL SIZE
60 μ m



INSTALLATION TYPE
Tank and concrete basin



SEPARABLE OIL CONTENT
99%



SEPARATING DEVICE
Corrugated plate pack



OIL CONTENT IN TREATED WATER
10ppm



TREATMENT METHOD
By slanting the corrugated plates at a 45-degree angle, oily water is separated due to the difference in buoyancy between oil and water



SLUDGE SETTLING
Settles smoothly without clogging the plate pack, as the flow direction of the oily water aligns with the direction of sludge sedimentation

PROCESS

OIL CONTAMINATED
WASTEWATER PASSES
THROUGH INLET SECTION

OIL IS SEPARATED
BY BUOYANCY

SLUDGE MOVES
TO BOTTOM OF
THE SEPARATOR

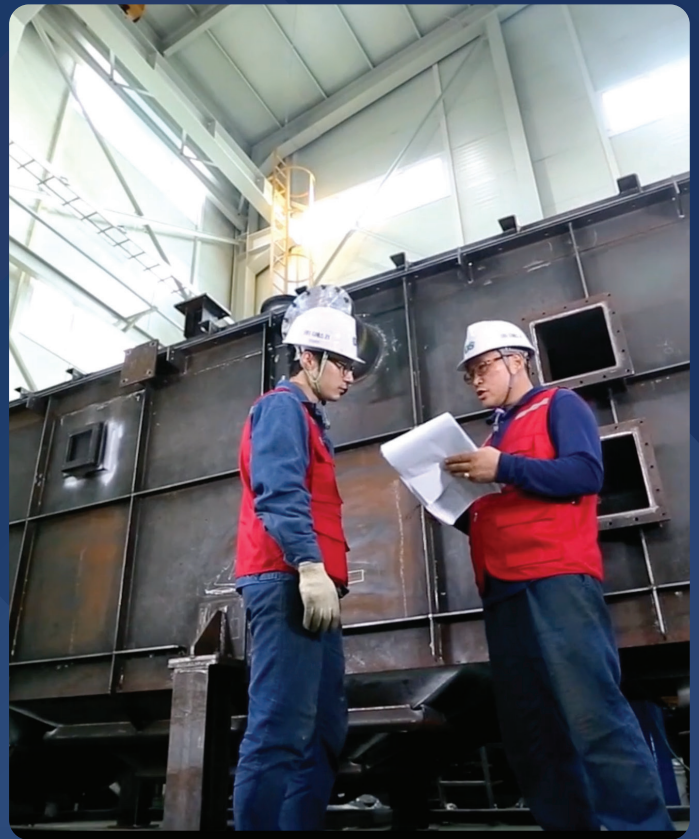
MIXTURE RESULTS IN
CLEAN WATER SEPARATION

APPLICATIONS

- + FIRST AND SECOND STAGE SEPARATORS FOR EXTRACTION SITES
- + BALLAST WATER AND SLOP OIL TREATMENT FACILITIES
- + OIL REFINERIES

- + LNG PLANTS
- + DOWN STREAM PLANTS
- + OFFSHORE OIL RIGS

CORRUGATED PLATE INTERCEPTORS



**OUR TEAM OF EXPERTS IS READY TO DEVELOP
SOLUTIONS FOR YOUR PROJECT.**

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