

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



INSTALLATION TYPE

Tank and concrete basin



SEPARATING DEVICE

Corrugated plate pack



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



SEPARABLE OIL SIZE

60µm



SEPARABLE OIL CONTENT

99%



OIL CONTENT IN TREATED WATER

10ppm



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.
CONTACT US TO LEARN MORE