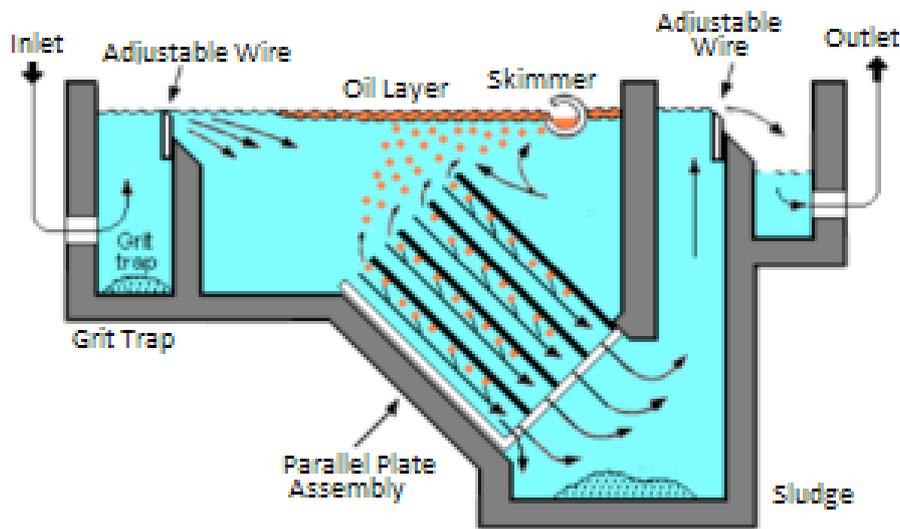


**CPI SYSTEM (Corrugated Plate Interceptor)** is an improvement of PPI system. CPI system separates oil, water and sludge by means of the dissimilitude of specific gravity. Slanting 45°, lot of stainless corrugated parallel plates are lined to in separating tank.

The oil in oil-water mixture rises along the convex parts against the flow of water and the sludge descends along the concave parts to the bottom of separating tank. The oil which raised to the surface is removed by regulatable drum oil skimmer of pipe oil skimmer. The water separated from oil and sludge flows into filter rank, oil absorbent completely clears the oil on the mixture which has similar specific gravity to water.



## RANGE OF APPLICATION

1. Application to wastewater treatment the wide The temperature of water is from 4 °c to 100 °c PH of oily water from 2 to 12.
2. Application to wastewater treatment the wide

## PERFORMANCE

1. It can clear off oil-content 10,000 ppm to about 50 ppm
2. It can treat the mixture of which temperature is 0 °c ~ 20 °c, Ph 3~12 PERFORMANCE.
3. The oil which raised on the surface can be removed by drum oil skimmer of pipe oil skimmer automatically.
4. After oily water separator, oil absorbent in filter tank clears the oil which has similar specific to water because it is stained with sludge

## APPROPRIATE USE

1. The difficult place to control such as river.
2. The plant of carbonic oil plant, oil refinery plant of petrochemical company



## The Advantages of the CPI Oil Separator

1. Large free surface area and long retention time for optimal separation performance
2. Low maintenance
3. No moving parts, very low energy consumption
4. Flowrate 10 – 500 m<sup>3</sup>/h
5. You can install plates to old concrete systems and modernize
6. Containerized systems are available