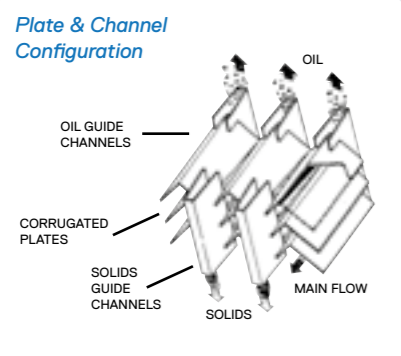




TCPS Oil / Water Separator



the plates are set between 15 and 20mm apart. Small oil droplets have only a short distance to rise before they join other droplets to form a buoyant film on the underside of the plate.

The complete pack is inclined in the separator, encouraging the separated oils to rise readily to the surface where they are recovered automatically by factory pre-set weirs. No water is skimmed in this operation.

DRIZIT designs its separators to recover droplets as small as 20-40 microns in size and to reduce oil discharge levels to extremely low parts per million. (ppm)

DRIZIT TCPS TILTED CORRUGATED PLATE SEPARATOR

Process

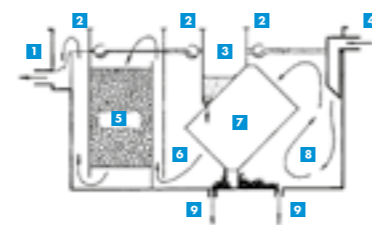
The great advantage lies in its simplicity of operation as the process is based on the difference in specific gravity between oils and water.

The heart of the system is the specially designed corrugated plate pack in which

Construction

These robustly constructed TCPS's can be skid-mounted or of concrete construction with removable plate packs. Above ground tanks are either epoxy-coated steel or stainless steel depending on the application.

2 Stage Separator with second stage media bed coalescer



- 1 CLARIFIED WATER OUTLET
- 2 OIL WEIRS
- 3 INTEGRAL OIL TANK
- 4 FEED INLET
- 5 MEDIA BED COALESCER
- 6 POST-PACK CHAMBER
- 7 PLATE PACK
- 8 PRE-PACK CHAMBER
- 9 SLUDGE OUTLETS

Applications:

- Oil surface drain water
- Process water
- Refinery effluent
- Desalter effluent
- Produced water
- Cooling water

Advantages:

- Performance based on actual feed condition
- Simple and inexpensive installation
- No moving parts
- Minimal maintenance, no supervision
- Oil automatically skimmed to oil tank
- Sludge removal points
- Optional second stage coalesce reduces final oil content to as low as 1ppm.



CODE	DESCRIPTION	
TS00510	5m ³ /HR TCPS 5	
TS01010	10m ³ /HR TCPS 10	
TS02010	20m ³ /HR TCPS 20	
TS04010	40m ³ /HR TCPS 40	
TS08010	80m ³ /HR TCPS 80	
TS14010	140m ³ /HR TCPS 140	
TS00520	5m ³ /HR TCPS 5	Conical Base
TS01020	10m ³ /HR TCPS 10	Conical Base
TS02020	20m ³ /HR TCPS 20	Conical Base
TS04020	40m ³ /HR TCPS 40	Conical Base
TS08020	80m ³ /HR TCPS 80	Conical Base
TS14020	140m ³ /HR TCPS 140	Conical Base

