Dynaglass

DYNAGLASS CORRUGATED PLATE INTERCEPTOR

CPI

The Compact CPI

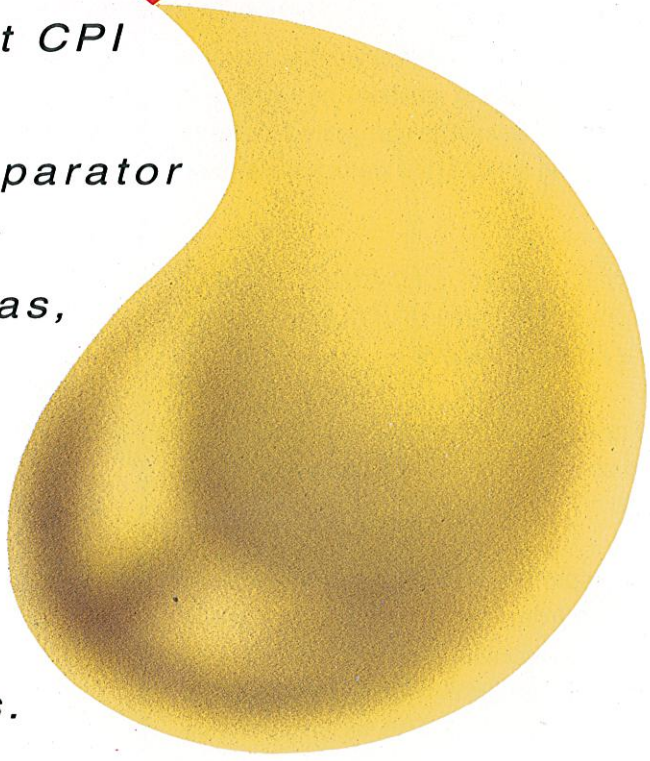
oil/water separator

ideal for Marinas,

Service Stations,

Garages and

Workshops.



Model : DG 3000

Oil Removal By The Corrugated Plate Cross Flow Interceptor (CPI)

MODEL

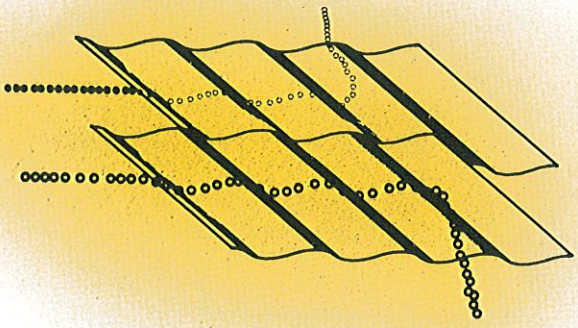
DG 3000 Oil/Water separator

APPLICATIONS

For Marinas, Service Stations, Garages, Workshops and Small Industries.

PRINCIPLE OF OIL/WATER SEPARATION

Gravity separation is the removal of oils and suspended solids from a water stream by allowing sufficient time in a low velocity basin for the oil droplets to rise to the surface and the solid particles to sink to the bottom of the water column.



THE DYNAGLASS COMPACT CPI

The Dynaglass Compact CPI oil/water separator makes this process most efficient by utilising a number of specially designed corrugated plates to intercept the oil and solids in the water accelerating this process.

Dynaglass Compact CPI treats effluent water up to a flow rate of 3 cubic metres per hour (790 US gal/hr)

At this flow rate the quality of treated water can be expected to contain less than 20 parts per million oil trace in it.

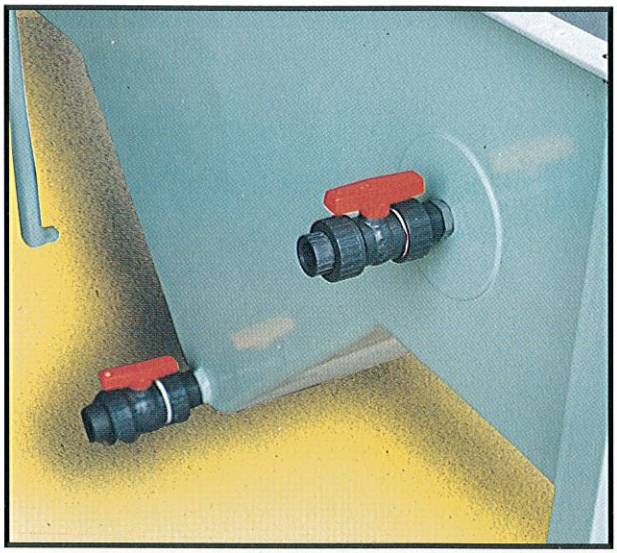
The oil when separated flows into the oil skimmer, and is removed from the CPI by gravity through valves into portable containers conveniently placed at both sides of the CPI unit. These containers are then replaced when filled. The oil can then be recycled. The treated water will flow by gravity into the drain or sewer.

The solids or sludge in the hopper can be removed by simply operating the sludge discharge valve when necessary from time to time. No pumps are required as hydrostatic pressure of the unit itself will force the sludge to discharge from the CPI unit, when the sludge valve is opened. The operation of the unit is easy and "mess-free".

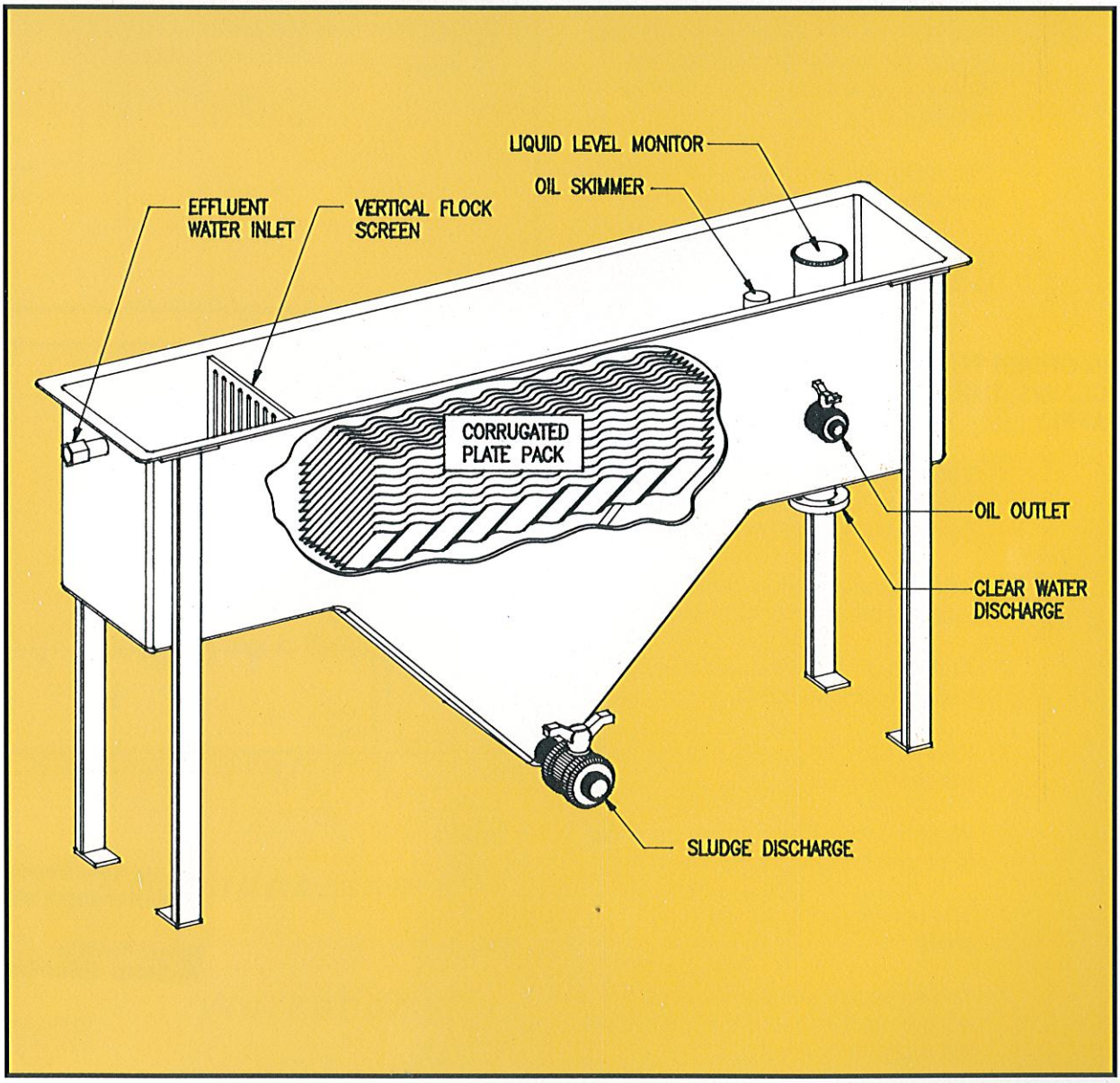
ADVANTAGES OF THE DYNAGLASS COMPACT CPI

- Easy and quick to install. No excavation necessary.
- Above ground installation allows for easy maintenance.
- Compact and mobile. Easily transportable to where it is needed. Installation only takes up to 2 sq. m of floor space.
- Can be operated by gravity, if preferred. No power source needed.
- Economical to install and operate.

Built-in Sludge Hopper with Discharge Valve



Corrugated Plate Pack



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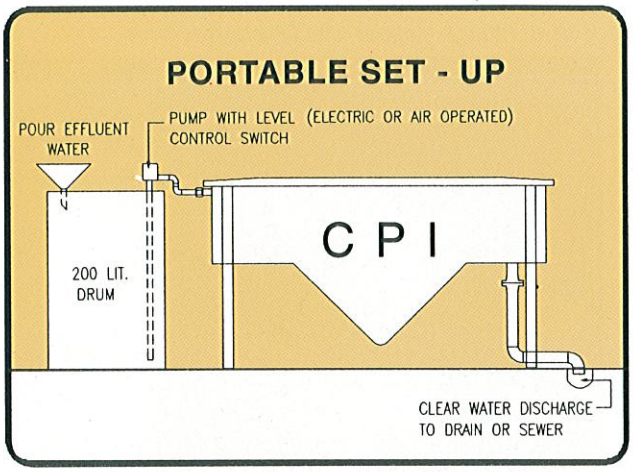
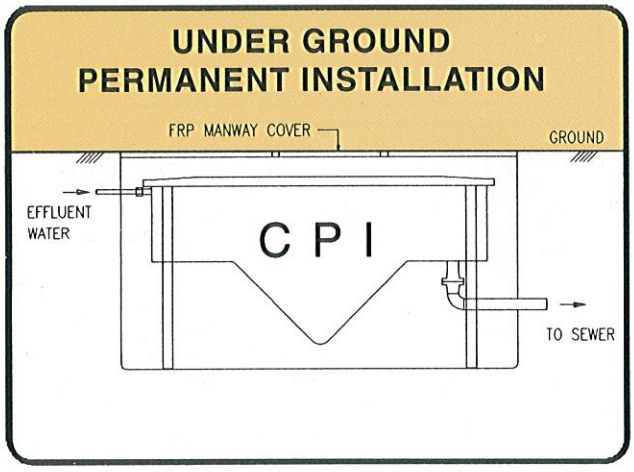
SPECIAL FEATURES OF THE DYNAGLASS COMPACT CPI

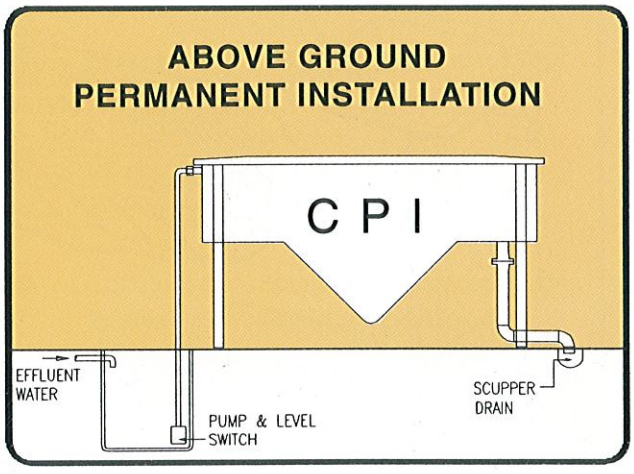
- Rustproof construction - all tank walls and interceptor components are rustproof.
- The interceptor plates are easily removed for cleaning. Ease of maintenance may reduce future maintenance costs.
- Specially designed interceptor plates. Our Oil/Water Separator uses a cross flow design. The design results in a more efficient separating system.
- When unit is installed according to manufacturer's requirement and advise, Dynaglass oil/water separators can meet or exceed the following performance claims:
  - Can remove free floating oils, but not chemically emulsified or dissolved, and settleable sands from oil/water mixtures.
  - Can attain effluent free hydrocarbon concentrations as low as 20ppm.
  - Can remove free oil droplets equal to and greater than 60 microns

IN ORDER TO MEET THESE PERFORMANCE CLAIMS, THE FOLLOWING RESTRICTIONS APPLY

* Effluent may be gravity fed to tank. If effluent is pump-fed, to seek Dynaglass' advice on pump type.
* Inlet oil/water mixture temperatures must be between 5º C to 60º C.
* Ambient air temperatures must be between 0º C to 60º C.
* Inlet oil specific gravity must range between 0.68 and 0.90.
* Water specific gravity must be equal to or greater than 1.0.
* The tank must be vented at all times.
* The separator should be cleaned out periodically in order to maintain the stated efficiency.







Manufacturer reserves right to make changes without notice.

Patent Pending
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