

STETMOBILE

OIL SEPARATORS



Free Oil Removal from Water or Soluble Coolants to <math><15\text{mg/l}</math>

The mobile version of our Multipack range of tramp oil separators. For separation of any two immiscible liquids of differing specific gravity at a greatly enhanced rate.

APPLICATIONS

■ Coolant Systems

Tramp Oil may be continuously removed from soluble oil systems with resultant improvements in cutting performance and solution life. Separators are available for all sump sizes.

■ Industrial Washers

Continuous removal of Tramp Oil from wash solutions will improve the washer performance and extend the solution life.

■ Factory Sumps

Oil can often be recovered from machinery sumps and wash down areas. The Stetmobile is ideal for moving between m/c tool sumps to remove tramp oils.

■ Effluent Streams

Oil can be removed from contaminated effluents and existing interceptor performances can be improved, allowing local discharge consents to be met.

ADVANTAGES

- Extends life of coolant/wash liquor
- Reduces bacteria levels
- Prevents odours
- Reduces cutting oil or chemical waste
- Improves cutting or washing performance
- Reduces effluent charges
- Recovers oil
- Waste minimisation
- No consumable parts in the separator
- Compact and easy to install
- Easily adapted to suit specific requirements
- Treat a number of different sumps with 1 unit



Model S2 Stetmobile

RANGE

Units include feed pump, interconnecting pipework, suction float and flexible hose, hosereel, motor starter, support frame with steerable castors. Four sizes cover the capacities from 200 l/h to 1200 l/h.

Model	Capacity
S05	200 l/h
S1	300 l/h
S2	600 l/h
S4	1200 l/h

PRINCIPLES OF OPERATION

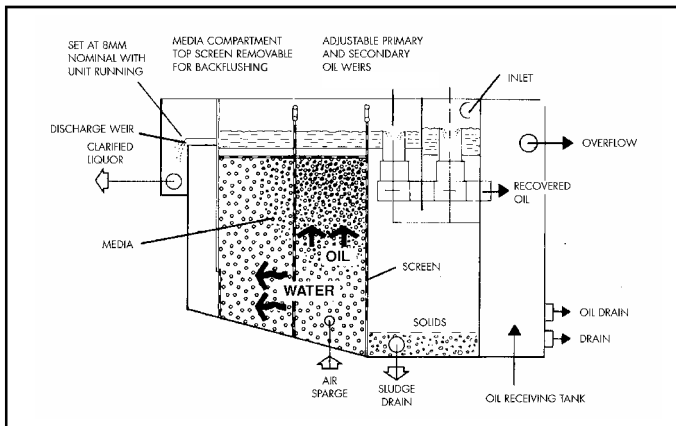
Feed is taken to a primary separation chamber where gross free oil rises to the surface and is discharged into the primary weir. More dispersed oil passes into a second chamber which contains random packed oleophilic media acting as coalescers, increasing the droplets' size and causing them to rise to the surface, where they build up into a layer until discharged from the secondary weir.

Media may be selected for solids handling characteristics and for either primary or secondary dispersions.

For especially high performance, absorbant materials may be used in the final stages allowing effluent qualities of better than 5 mg/l to be achieved.

Integral solids removal equipment can be incorporated as part of the separator, either upstream or downstream.

All units have the facility for the incorporation of automatic air backflushing. This is used for agitating the coalescing media to reduce oil/sludge build-up in the media.



S05 AUTOTRAP STETMOBILE



FEATURES

The crossflow configuration gives the maximum rate of oil separation and minimises the entrainment of solids in the media.

The top screen contains the media below the oil/water interface, allowing the coalesced oil to flow readily to the surface.

Easily removed screens allow simple maintenance. Baskets are available for media exchange where particularly high solids loads exist.

Electric motor on all units is only 0.55kW using either 240v or 110v1Ø supply.

If the Stetmobile unit is used on a number of different m/c tool sumps then the coolant needs to be common to each sump otherwise coolant cross-contamination will occur.

OPTIONAL FEATURES

Integral Oil Receiving Tank

Use where vacuum waste disposal trolleys are used and are preferred to 45 gallon waste oil drums.

No-flow switch that stops the feed pump in event of a no-flow situation, in order to prevent the feed pump from running dry.

Media blocked device that stops the feed pump in the event the media becomes blinded, in order to prevent the unit from flooding.



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