

Stuart Well Services

OIL/WATER SEPARATORS FOR GROUNDWATER TREATMENT

Stuart Well Services Limited's oil/water separators are based on the need to find a solution to on-site requirements for a successful, temporary, oil and water separator. The system is based around a number of separation criteria all located in one contained unit. In essence, one oil/water separator utilises four separation stages.

Stage one involves the pumping of the oil/water mixture into a sludge tank to settle screen debris.

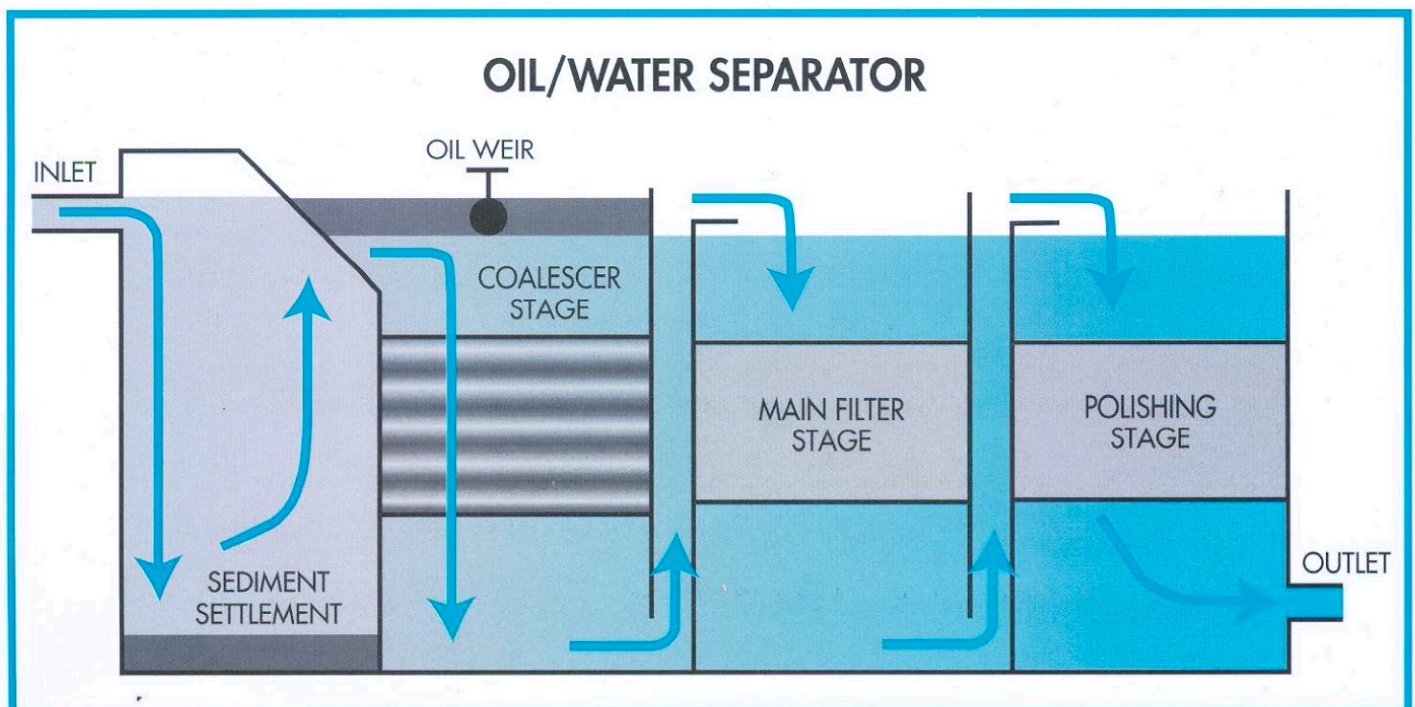
Stage two comprises a coalescer unit comprising a random packed matrix of polypropylene located within a holding cage.

The main filter **Stage three** relies upon an adsorbent filter comprising proprietary polypropylene material in a pad form. This stage is multi-layered for maximum efficiency.

Stage four is a final polishing filter, again, based upon multi-layered proprietary adsorbents. Each stage is bottom feed reducing the separated product carry over from one stage to the next.

Recovered product is weired off from stage 2 normally by gravity into storage facilities - 45 gallon drums.

Maximum recommended flow rate is dependant upon individual site conditions but flows up to 10m³/hour are possible. To protect the coalescer unit, at least a 50:50 mixture of water to oil is required. Disposal of waste sludge, water and materials as per current legal requirements are the responsibility of the hirer.



www.stuartwells.co.uk

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