

QED Passive Skimmers



Passive Skimmers have been designed for product-only (LNAPL) recovery applications in sites where active pumping systems are not applicable due to existing conditions or extreme low permeable formations.

The floating intake head follows the groundwater fluctuations in the recovery well, allowing only the free-floating phase (LNAPL) to be captured without taking water and stored in the built-in reservoir for further manual transfer to a tank.

Features

- Available for 2" (50 mm) and 4" (100 mm) extraction wells, with different reservoir capacities
- Superior Material Quality: Built with high-grade stainless steel components for excellent chemical resistance and long-term durability.
- Optimized Design for Efficiency: Consistent product recovery with minimal water entrainment, reducing disposal costs and improving system performance.
- Wide Range of Sizes: 2 diameters and lengths available to suit different well sizes and recovery requirements.
- Ease of Maintenance: Simple design with fewer moving parts means lower maintenance and reduced downtime.
- QED offers Two Capture Systems SPG and SOS (SPG=Specific Gravity, SOS=Selective Oil Skimmer)
 - SPG:
 - Recovers free phase faster than SOS
 - Viscous products 200-1000 Centistokes
 - Hydrocarbon has a specific gravity less than .85
 - Floats slightly above product-water interface
 - SOS:
 - Recovers free phase more precisely than SPG when dealing with thinner layers.
 - Features two adjustable intake screen positions, allowing flexibility in recovery.
 - Reduces product level to a sheen
 - Floats on product water interface
 - Centering disks prevents float from contacting sidewalls of well
- Together, these systems cover a wide range of free-phase thickness, from large accumulations down to just a few centimetres.

Benefits:

- Simple systems for extreme low recovery applications
- Choice of floating inlet types
- Multiple Canister sizes
- Stainless steel product recovery canisters



2 in" SOS –
301079/301080

Cannister Volume: 600 cc or 900cc
Well Diameter: 5cm
Float travel range: 30cm
Length: 165cm or 194cm
Max fluid depth required: 98cm or 128cm

4 in" SOS –
301032/301033

Cannister Volume: 3,000 cc or 6,000 cc
Well Diameter: 10cm
Float travel range: 46cm
Length: 177cm or 217cm
Max fluid depth required: 95cm or 137cm

SPG - Available diameters: 2" and 4"

Typical float travel range:

- Diameter 2": 14"-24"45" (30cm-60cm-115cm)
- Diameter 4": 24"-45"-60" (60cm-115cm-150cm)

Canister volumes:

- 2": 600 cc & 900 cc
- 4": 3000 cc & 6000 cc

