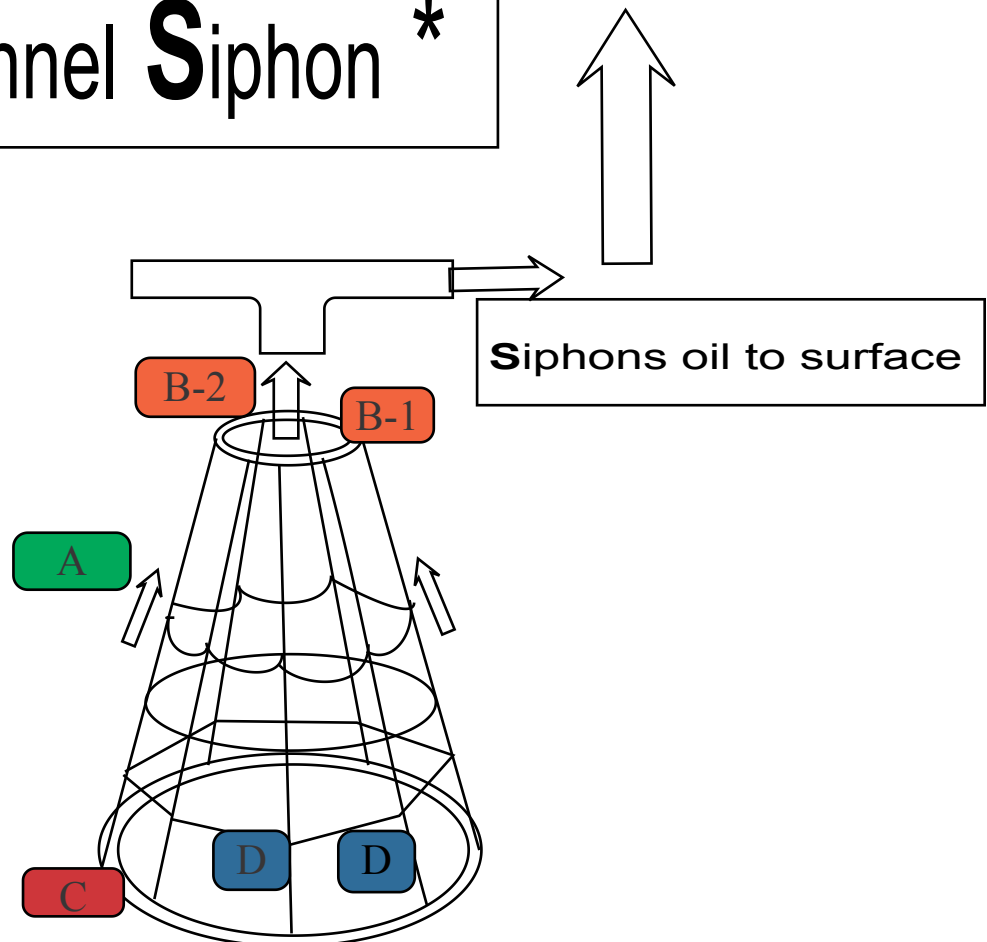


Inverted Funnel Siphon *



A) Funnel Shell Shaped

- Taking advantage of the fact that oil is more buoyant than seawater it is in, the shape of the shell direct leaking oil as it is expelled from the leak into a bottleneck (narrowed) central uptake collection area (for removal) via central line to be diverted into oil-tanker vessels.
- may be premanufactured or installed in segments (per drawing) around the base of the leaking site or structure (could be installed prior to construction of structure as a safety measure).
- is made up of a segments of mesh attached at the vertical lines on ocean floor. Mesh will become clogged with oil which will serve to keep oil contained long enough to siphon it (convey it) to the surface for removal.
- segments may be deployed after a leak has failed to come under control (cap) post incident (or at the instant a leak is detected).

B) Upper Buoyant circles

- May be comprised of pre-made floatation tubes attached together on site or deployed upon incident, circle shape is more stable in water environment
- The inner circle B-1 connected to the outer floatation may have skimmer intakes) for thicker oil (goop) not extracted through uptake pumps at or near surface
- The outer circle B-2 must be primarily supportive of the lines running from sea floor.

C) Lowered Anchor circle

- Interlocking segments whose density allow it to maintain position on the sea floor around the leak, may be installed in segments with hardware that allows segments of Funnel to be attached.

D) Mesh / Resin/ Metal Segments

- Upper & Lower segments must be that which oil does not easily penetrate when submerged but at the lower levels must be of a material which withstands depths.

- Both must withstand force of water motion and current. The upper segment would have a flexing dynamic similar to fish net as it is hoisted by a

**May requires on site assembly including installation of weighted base.*

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