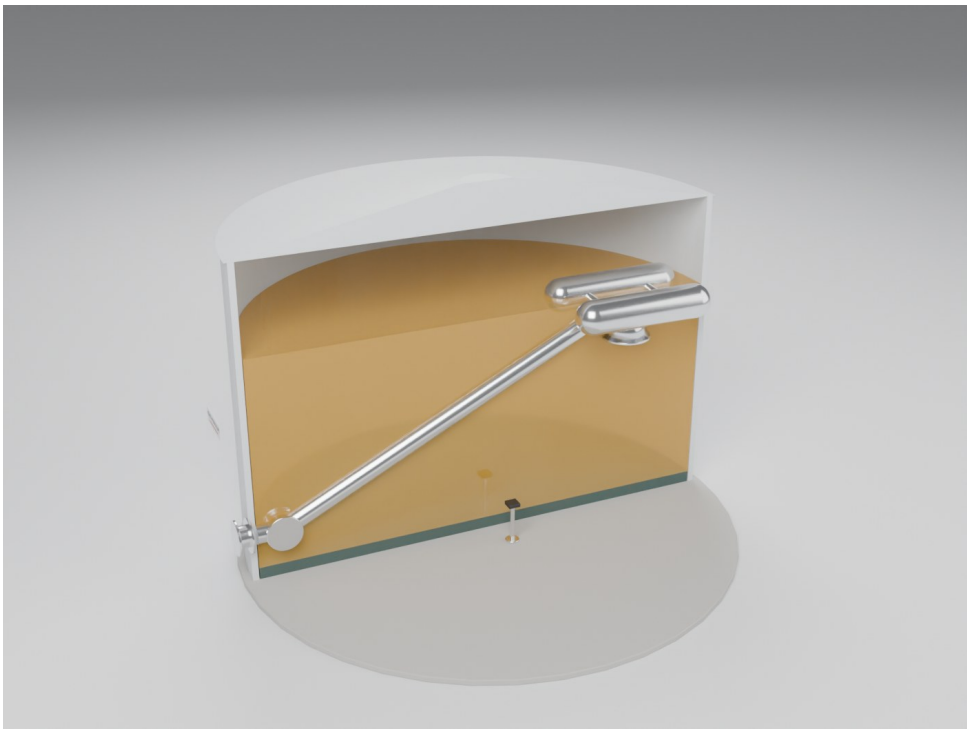
Floating Suction Units

Clean product from the top of the tank, not the sludge at the bottom



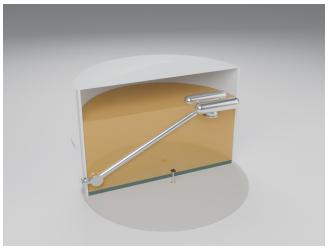
Representative image. The supplied unit is designed to your tank and duty.

Water, sediment and sludge settle to the bottom of every storage tank. A fixed outlet near the floor draws them straight into the line. A Vens floating suction unit draws instead from just below the liquid surface, where the product is cleanest: a float carries the suction inlet, and an arm on sealed swivel joints lets it rise and fall with the level. Each unit is designed for one tank.

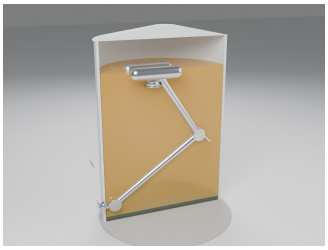
Benefits

- Cleaner product leaving the tank, with less load on filters and separators downstream.
- Shorter settling times between receipt and issue, because the bottom layer is left undisturbed.
- Bottom water and sludge stay where they can be drained and cleaned out.
- Fits new and existing tanks; most units bolt to the existing outlet nozzle and are assembled through the manhole.

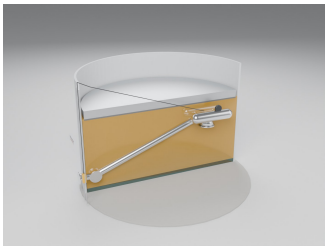
Layouts



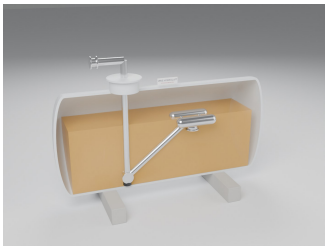
Single arm



Double arm



Floating roof (roller)



Horizontal and underground

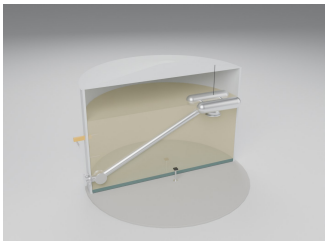
TANK	LAYOUT	NOTES
Fixed roof, wider than its filling height	Single arm	One arm swings from the outlet to the surface.
Fixed roof, taller than it is wide	Double or triple arm	Arms fold at an intermediate swivel; stops prevent locking.
External or internal floating roof	Roller type	Rollers bear on the roof underside; a track is fitted under light IFR decks.
Horizontal, mounded or underground	Riser type	Assembled through the manhole; foot valve keeps the riser full.
Jet A-1 and aviation fuel	Aviation build	Aluminium or stainless wetted parts; no copper, zinc or cadmium in contact with fuel.

Construction and options

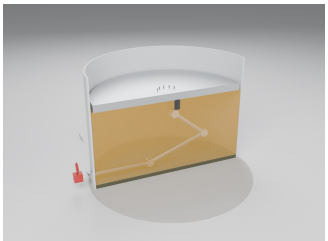
ITEM	VENS OFFER
Size	To suit the tank outlet nozzle and the design flow
Materials	Carbon steel, stainless steel 304 or 316, aluminium
Floats	Stainless steel pontoons, sized for the lightest product the tank stores
Swivel joints	Hardened ball races, replaceable seals, flanged ends
Seals	Nitrile, Viton or PTFE to suit the product
Supports	Floor rest supports and protective pads for lined tanks
Options	Outside position indicator, check cable, sample lines at set heights, foot valve for risers
Documents	Proposed layout with the quotation; material and test records with supply

Engineered by people who know the process. Vens engineers studied at MIT, Stanford, Cornell, the Indian Institutes of Technology, Arizona State University and the University of Cincinnati, and have worked in the refineries, depots, airports and power plants that use this equipment. They size every unit for the tank, the product and the duty, choose materials and seals for the product, and design to proper factors of safety.

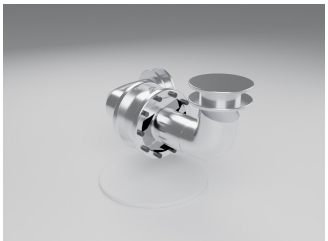
Related equipment



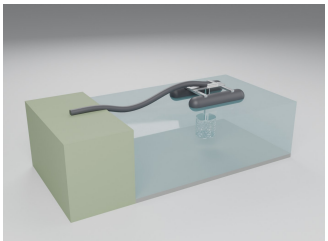
Aviation fuel floating suction



Articulated floating roof drain



Heavy duty swivel joint



Floating raw water intake

Applications

- Refineries, terminals and product depots: diesel, kerosene, petrol, naphtha and lube oils.
- Airports and aviation fuel depots: Jet A-1 receipt and storage tanks.
- Power plants and DG sets: fuel oil day and storage tanks.
- Chemical, pharmaceutical and water plants: process tanks, reservoirs and lagoons.

How to order

Download the Vens floating suction enquiry data sheet from www.skimmer.co.in, fill in what you know and send it with your tank drawing to **venshydro@gmail.com**. Our engineers will propose the layout, materials and options for your tank.