Floating Suction Unit

Enquiry data sheet

Each Vens floating suction unit is designed for one tank. Fill in what you know and leave the rest blank; a tank drawing answers most of these questions, so please attach one. We use this sheet to choose the layout (single arm, double arm, roller or riser type), size the floats for your product and select materials and seals, and we send a proposed layout with the quotation.

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 and power plants our equipment serves. Every enquiry is reviewed against the process, the product and the safety margins before a design is proposed.

A. PROJECT	
Company	
Contact name, e-mail and phone	
Site location	
End user, if different	
Number of tanks and units	
Required delivery	

B. TANK	
Tank number or tag	
Tank type	☐ Fixed roof ☐ Fixed roof with internal floating roof ☐ External floating roof ☐ Horizontal ☐ Underground or mounded
Inside diameter (mm)	
Shell height (mm)	
Length, horizontal tanks (mm)	
Maximum filling level (mm)	
Lowest operating level (mm)	
Bottom shape and slope	☐ Flat ☐ Cone up ☐ Cone down slope _____ %
Manhole size and positions	

B. TANK	
Internal obstructions: roof columns, heating coils, mixers, ladders, other nozzles	
Internal lining or coating	

C. SUCTION OUTLET	
Nozzle size (DN or NPS)	
Flange rating and facing	
Nozzle centre height above floor (mm)	
Nozzle orientation (degrees from 0° mark)	
Projection inside the shell (mm)	
Outlet type	☐ Shell nozzle ☐ Riser through roof or manhole

D. PRODUCT AND DUTY	
Product stored	
Specific gravity, lowest and highest	
Temperature, lowest and highest (°C)	
Viscosity at operating temperature	
Design flow rate (m^3/h)	
Water, sediment or sludge expected at the bottom	

E. CONSTRUCTION AND OPTIONS	
Material of wetted parts	☐ Carbon steel ☐ SS 304 ☐ SS 316 ☐ Aluminium ☐ Vens to advise
Swivel seal material	☐ Nitrile ☐ Viton ☐ PTFE ☐ Vens to advise
Arm layout	☐ Single arm ☐ Double arm ☐ Vens to advise
Position indicator outside the tank	☐ Yes ☐ No
Check cable	☐ Yes ☐ No
Sample lines: number and heights	

E. CONSTRUCTION AND OPTIONS	
Foot valve on riser	☐ Yes ☐ No ☐ Not applicable
Standard or client specification to follow	
Inspection or third-party witness	
Installation supervision at site	☐ Yes ☐ No

F. ATTACHMENTS	
Tank general arrangement drawing	☐ Attached ☐ To follow
Nozzle orientation drawing	☐ Attached ☐ To follow
Photos of the existing unit, for replacements	☐ Attached ☐ Not applicable
Notes	

Send the completed sheet with your drawings to **venshydro@gmail.com** or through Get a Quote at **www.skimmer.co.in**. All dimensions in millimetres unless stated.