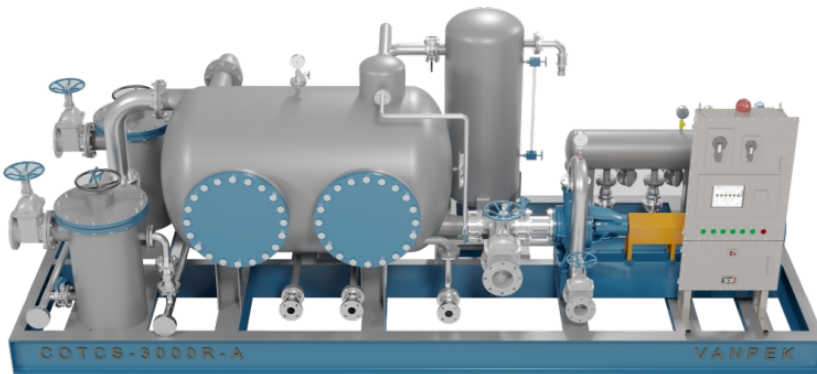


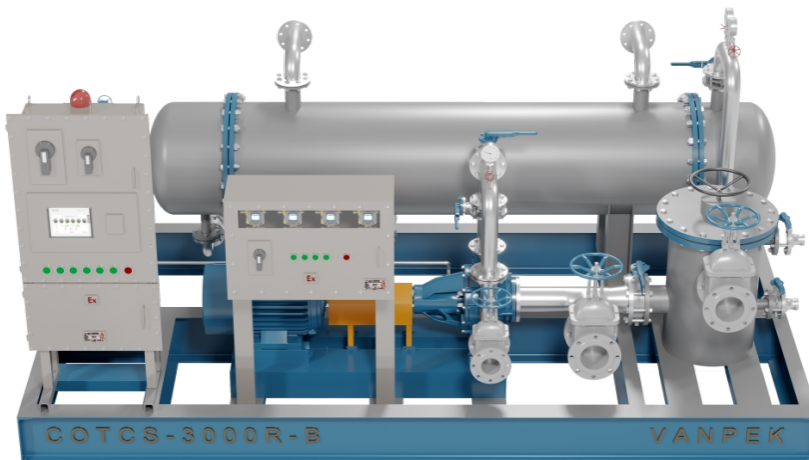
Crude Oil Storage Tank Cleaning System

Model: VTC-3000R

VTC3000R crude oil storage tank cleaning system (COSTCS) is a jet cleaning technology that uses a high-performance special tank cleaning device or machine to cover the inside of the oil tank in an all-round way by means of "full closure and automatic mechanical circulation". Using the same kind of oil and warm water as cleaning media, a high-performance tank cleaning device or machine installed on the top of the tank carries out all-round automatic circulating stirring and cleaning, effectively crushing and dissolving the sediments in the tank, and fully recovering the oil in the sediments. Suitable for mechanical cleaning of floating roof and vault crude oil storage tanks.



Recovery & Transfer Skid



Cleaning System Skid



Oil/Water Separator

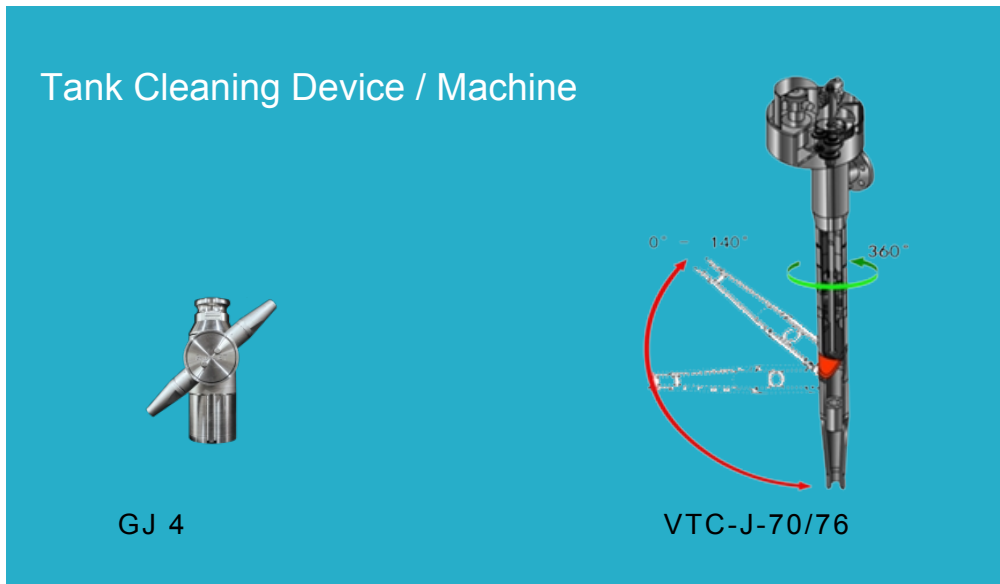
Features

- Durable Skid Construction
- Heavy Lift Frame
- Explosion Proof
- PLC Controlled
- Oil/Water Separator
- Pressure Gauges
- Safe and Reliable
- Easy to Operate

Industries

- Oil Field Tank
- Crude Oil Storage Tanks
- Oil Refineries

The tank cleaning device or machine is powered by hydraulic medium or compressed air, so that the nozzle of the tank cleaning device or machine inserted into the tank can be operated, and can be adjusted manually according to the cleaning requirements. The nozzle of the tank washer can bundle and pressurize the cleaning medium supplied by the cleaning pump, so that the cleaning medium can maintain a more stable flow rate and a greater impact force. The cleaning track of the tank cleaning device or machine can cover the cleaned tank in all directions, so that the residual oil on the tank wall and bottom can be fully stirred and dissolved, which is beneficial to the recovery of residual oil and achieves the effect of thoroughly cleaning the oil tank.



Configuration & specifications of VTC-3000R COSTCS	
Composition	Configuration and performance parameters
Recovery system	Transfer pump (120-180m³/h, 80m, 55-75kW); Vacuum pump: 7.5-11kW, 2-3m³vacuum tank (-0.08 MPa).
Cleaning system	Heat exchange area is 40-50 m²; Cleaning pump (120-180m³/h, 80m, 55-75kW); 3-4 gas concentration monitor.
Oil/water separation	Multi-stage gravity separation compartments, flow rate of 180m³/h; Reserve steam heating pipe; 30m³/h diaphragm pump.
Power supply & control	ExdIIBT4 explosion-proof; PLC process control, real-time monitoring of flow, pressure, temperature, current and voltage.
Tank cleaning machine	For external floating roof tanks ; the opening should be 76 mm. The nozzle rotation angle is: vertical 0-140°, horizontal 360°.
GJ tank cleaning device	Made in United States, 2D 360° rotation ; Suitable for cleaning vaulted storage tanks , and the opening should be 250-323mm.

VTC-3000R COSTCS - modules and equipment			
Model	Name	Function	Dimension
3000R-A-1/2	Recovery & Transfer Skid	Filter, water ring vacuum system, oil and sludge transfer pump.	6000×2200×2400 (mm)
3000R-B-1/2	Cleaning System Skid	Cleaning drive pump, heating exchange, gas on-line detection.	4500×2200×2400 (mm)
3000R-C	Oil/Water Separator	Separation of cleaning sewage and steam heating pipe reserved.	7500×2200×2600 (mm)
VTC-J-7x	Tank Cleaning Machine	Oil stirring and cleaning; Water cleaning the bottom of tank	Nozzle size: 18-30 (mm)
GJ 4	Tank Cleaning Device	Two nozzles, 360 degree rotation, water cleaning the inside of tank.	Nozzle size: 12.7-14.3 (mm)



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