

SLUDGE VACUUM PUMP



»»» Xi'an, China

THE MACHINE WORKS BY USING

Sludge Vacuum Pump is a kind of pneumatic vacuum transfer pump with high load and strong suction, also known as solid transfer pump or drilling cuttings transfer pump. The sludge vacuum pump is a highly efficient and reliable tool for handling sludge removal in various industries. Sludge vacuum pump can offer along-lasting solution for efficient sludge management.

The machine works by using

Sludge Vacuum pump is a kind of pneumatic vacuum transfer pump with high load and strong suction, also known as solid transfer pump or drilling cuttings transfer pump. Capable of pumping solids, powders, liquids, and solid-liquid mixtures.

The depth of pumping water is 8 meters, and the lift of discharged water is 80 meters. Its unique structural design enables it to operate in the most difficult environment with low maintenance rate.



Sludge Vacuum Pump



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ADVANTAGE OF Sludge Vacuum Pump

- The Sludge Vacuum pump can operated by one person on duty;
Super vacuum can absorb materials at 50m;
- All flow-through parts of the pump body are almost free of wear;
Super large suction can absorb materials with a diameter of more than 7cm;
- Compressed air can be supplied centrally and transported remotely;
Ultra long distance transportation, which can realize ultra long distance of over 1000m;
- The pump can operate indefinitely for a long time without limit;



- High applicability to materials: powder, thinner, viscous material, sewage, oil stain, etc;
- Full pneumatic control has the ability of fire prevention, explosion-proof and moisture-proof, and can be used in high-temperature occasions;
- China sludge vacuum pump is controlled by manual, automatic and remote control to meet more use scenarios;
- Pneumatic control has high reliability and long service life. The effective action times of electrical components are about one million times, and the Service life of solenoid valves is more than 200 million times;

OUTPUT ITEM CATEGORY

1. Drilling waste mud and drilling cuttings discharged by shale shaker
2. Jam, peanut butter, ketchup, pickles
3. Metal mine, coal mine mud and tail slurry
4. Material handling of bulk tanks and silos
5. Chemical, pharmaceutical granule powder transportation
6. HDD/TBM urban construction sludge
7. Sedimentation tank, soaking tank desilting
8. Recycling of toxic and hazardous waste
9. Storage tank sludge, tank bottom slag
10. Sand, fine sand and fracturing sand

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- The shale shaker is a crucial machine in many industries, improving productivity and material quality.
 - With different types available (linear, circular, high-frequency), it can meet various screening needs
 - TR SolidsControl is a professional manufacturer of drilling fluid equipment, supplying advanced solids control solutions for oil and gas, trenchless, and geothermal industries worldwide.
 - Our commitment to innovation and quality ensures high-performance products and reliable service.

SLUDGE VACUUM

Pump Technical Parameters

Model	TRSP-80L	TRSP-40L	TRSP-20L
Maximum conveying capacity	80m ³ /h	40m ³ /h	20m ³ /h
Feed and discharge diameter	4 "DN100	4 "DN100	4 "DN80
Suction distance	≤50m	≤50m	≤50m
Discharge distance	≤1000m	≤1000m	≤550m
walking form	fixed	fixed	move
Control form	Hand self integration	Hand self integration	Hand self integration
Overflow diameter	≤70mm	≤70mm	≤50mm
Pressure	650-800Kpa	650-800Kpa	550-700Kpa
Air supply	13 m ³ /min	13 m ³ /min	6.5 m ³ /min
Size	3200x1500x2000mm	1600x1500x2000mm	1000x800x1400mm
weight	1500kg	910kg	270kg
Applicable materials	High viscosity material / powder solid material /		
Vacuum	25inch HG/85Kpa		
Valve	Made in Germany		
Air control	Made in Japan, control and operation shall be oper		



Xi'an Tianrui Petroleum Machinery Equipment Co., Ltd., established in 2010, is a modern manufacturer of solids control equipment certified to both API Q1 and ISO 9001 standards.

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