

SV510 Heavy Duty Solids Pump



About

The SV510 Heavy Duty Solids Pump is capable of capturing high density slurries via a strong 25" Hg+ (85kPa) vacuum combined with high velocity airflows.

The pump is capable of recovering up to 45 m3/hr (198USGPM) @ SG1.0 of various materials via vacuum load or top load gravity feed.

The SV510 Solids Pump can transfer drill cuttings, mud, sludge and mining slurry along with heavy aqueous waste directly from the source to an array of destinations including skips, bulk tanks or return to belt if required.

Compact and with a relatively small footprint, the SV510 is capable of operating on a wide array of materials with very high solids content.

Applications

- Capture and transfer of drill cuttings
- Slurry transfer
- Thickener de-sludging
- Mud and tailings transfer
- Pit and sump cleaning
- Hazardous waste recovery
- Oil sludge and tank bottoms residue transfer
- Tank Cleaning and sludge extraction
- Vacuum cleaning of barge and vessel bottoms
- Heavy crude transfer
- Bulk transfer, load and unload

Features

- ATEX Zone 2 / CE conformity 
- ATEX material level / temperature highest possible
- 100% compressed air operation, intrinsically safe
- Master / slave option for two pumps
- Control box, quick connect / disconnect with indicators for easy diagnostic / visual of operation
- No internal workings, minimal maintenance
- Manual or fully automatic operation
- Throughput capacity up to and in excess of 45 m3/hr (198USGPM) @ SG1.0 depending on the materials and distances involved
- Generates 25" Hg+ (85kPa) vacuum using 600cfm (284 L/sec) jet pack and requires 750 cfm (354 L/sec) using air assisted discharge option at minimum 95psi (6.5 bar) to 115psi (7.9 bar) at the pump
- 100mm (4") Vacuum Load
- 250mm (10") top load / gravity feed with 100mm (4") vent

Technical Data

- Height 174 cm (69")
- Width 110 cm (44")
- Length 209 cm (83")
- Weight 860 kg (1896 lb)
- Air consumption 600 cfm (284 L/sec) jet pack and requires 750 cfm (354 L/sec) using air assisted discharge option minimum 95psi (6.5 bar) to 115psi (7.9 bar) at the pump
- Air supply connection 50 mm (2")
- Up to 25" Hg+ (85kPa) vacuum
- Suction 100 mm (4") BSP/Type B camlock
- Discharge 125 mm (5") Victaulic
- Top load gravity feed 250 mm (10") flange connection AS2129 Table E
- 100mm (4") top load / gravity vent
- 100mm (4") Vacuum Load
- Handles solids to 70 mm (3")
- Carbon steel vessel