

SOLiDSVAC[®]

SOLiDS PUMPiNG SYSTEMS

SV150-CVCD

Continuous Vacuum Loading Solids Pump

- Intrinsically Safe
- 100% Compressed Air Operation
- High Solids Content Transfer



SV150-CVCD

Continuous Vacuum Loading Solids Pump

The Solidsvac SV150-CVCD is a truly versatile continuous vacuum loading solids pump, manufactured using 316 stainless steel vessels and valves as standard. The SV 150-CVCD can be supplied as fixed or mobile plant. This fully automatic unit can generate vacuum up to 24.5" Hg - 83 kPa and be utilised manned or unmanned to capture and transfer viscous high SG slurries. The SV150-CVCD can also be fitted with a Direct Feed Hopper (below image) ensuring a constant flow of material. When transferring drill cuttings, the SV150-CVCD with the Direct Feed Hopper, can operate as both Primary and Back Up removing the need for both Pit and backhoe.

TECHNICAL DATA

	METRIC	US IMPERIAL
Height	1260 mm	47"
Width	980 mm	38.5"
Length	1500 mm	60"
Weight	650 kg	1430 lb
Air inlet	50 mm	2" BSP/NPT
Suction inlet	75 mm	3"
Discharge outlet	75 mm	3"
Suction lift	7.9m @ 100 cfm 9.2m @ 180 cfm 11.5m @ 230 cfm	26' 2" @ 100 cfm 30' @ 180 cfm 37' 7" @ 230 cfm
Air consumption options	2.8 m ³ /Min Jetpack & 2.8 m ³ /Min Discharge 5.0 m ³ /Min Jetpack & 2.8 m ³ /Min Discharge 6.5 m ³ /Min Jetpack & 2.8 m ³ /Min Discharge	100 cfm Jetpack & 100 cfm Discharge 180 cfm Jetpack & 100 cfm Discharge 230 cfm Jetpack & 100 cfm Discharge
Delivery	500+ m	1640+ ft
Displacement cycle	130 ltr	34 gal
Operating pressure	7 bar (Required) @ 690 kPa	100 psi (Required)
Unit Requirements	5.6 m ³ /Min or 7.8 m ³ /Min or 9.3 m ³ /Min	200 cfm or 280 cfm or 330 cfm
Maximum solids	55 mm	2.5"
Measured water throughput	800 lpm (130 cfm)	211 gpm (130 cfm)

GENERAL USAGE

- Mining
- Drilling
- Industrial
- Petrochemical
- Municipal

APPLICATIONS INCLUDE

- Drill cuttings transfer
- Thickener desludge
- Hazardous waste recovery
- Transfer of mine slurries
- Raw effluent pond desludging

OPTIONAL ACCESSORIES

- Suction wand
- Suction hose
- Discharge hose
- Duck bill vacuum head
- Large capacity strainer
- Dropbox
- Delivery carousel

- Supplied on skids with fork access and certified lifting points as standard
- Suction Lifts indicated require 7 bar (100 psi) operating pressure
- IECEx Conformity
 - Cert N.o: IECEx ExTC 24.0008X
 - Marking Code: Ex h I Ma (0 °C ≤ Tamb ≤ +50 °C)
Ex h IIB T4 Gb (0 °C ≤ Tamb ≤ +50 °C)

Direct Feed Hopper
Shown Here



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