

# SOLIDSVAC®

**SOLIDS PUMPING SYSTEMS**

## SV150-CVCD

### Continuous Vacuum Loading Solids Pump

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



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# 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 <sup>3</sup> /Min Jetpack & 2.8 m <sup>3</sup> /Min Discharge 5.0 m <sup>3</sup> /Min Jetpack & 2.8 m <sup>3</sup> /Min Discharge 6.5 m <sup>3</sup> /Min Jetpack & 2.8 m <sup>3</sup> /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 <sup>3</sup> /Min or 7.8 m <sup>3</sup> /Min or 9.3 m <sup>3</sup> /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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