

SOLIDSVAC[®]

SOLIDS PUMPING SYSTEMS

SV440-CVCD

Continuous Vacuum Loading Solids Pump

- Intrinsically Safe
- 100% Compressed Air Operation
- High Solids Content Transfer
- Up to 60m³/hr



U1/ 5-7 Boeing Place - Caboolture - QLD 4510 - Australia

+61 456 000 665 / info@solidsvac.com / www.solidsvac.com

SV440-CVCD

Continuous Vacuum Loading Solids Pump

The SV440-CVCD "Great White" is as the name suggests, the top of the range in constant flow solids pumps. Delivering 25"Hg + of vacuum enabling it to recover and transfer up to 60m³/hr of most flowable solids laden materials over 1000 metres. The SV440 can be fixed or mobile and features full 316 vessels and valves as standard. The SV440 is available in a range of air configurations to suit your application and is ideal for high volume tailings pond/lagoon desludging, tank cleaning and high flow, high lift applications in excess of 25 metres.

The SV440-CVCD is the "Great White" providing constant flow via its 100mm (4") inlet and outlet manifolds ensuring the maximum recovery and transfer rates are readily achievable.

TECHNICAL DATA

	METRIC	US IMPERIAL
Height	1600 mm	63"
Width	1270 mm	50"
Length	2010 mm	79"
Weight	1000 kg	2204 lb
Air inlet	50 mm	2" BSP/NPT
Suction inlet	100 mm	4"
Discharge outlet	100 mm	4"
Suction lift	25m @ 380 cfm* 35m @ 600 cfm	57' @ 380 cfm 88' @ 600 cfm
Air consumption options	10.7 m ³ /Min Jetpack & 5.6 m ³ /Min Discharge 16.9 m ³ /Min Jetpack & 5.6 m ³ /Min Discharge	380 cfm Jetpack & 180 cfm Discharge 600 cfm Jetpack & 180 cfm Discharge
Delivery	500+ m	1640+ ft
Displacement cycle	420 ltr	34 gal
Operating pressure	7 bar (Required) @ 690 kPa	100 psi (Required)
Unit Requirements	15.8 m ³ /Min or 22.1 m ³ /Min	560 cfm or 780 cfm
Maximum solids	80 mm	3"
Measured water throughput	1000 lpm (380 cfm)	264 gpm (380 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

*All suction lifts indicated are ambient air assisted

- No internal workings. Cannot be damaged dry running
- High volume throughput
- Supplied on skids with fork access and certified lifting points as standard
- Suction Lifts indicated require 7 bar (100 psi) operating pressure