

# **SOLiDSVAC<sup>®</sup>**

*SOLiDS PUMPiNG SYSTEMS*

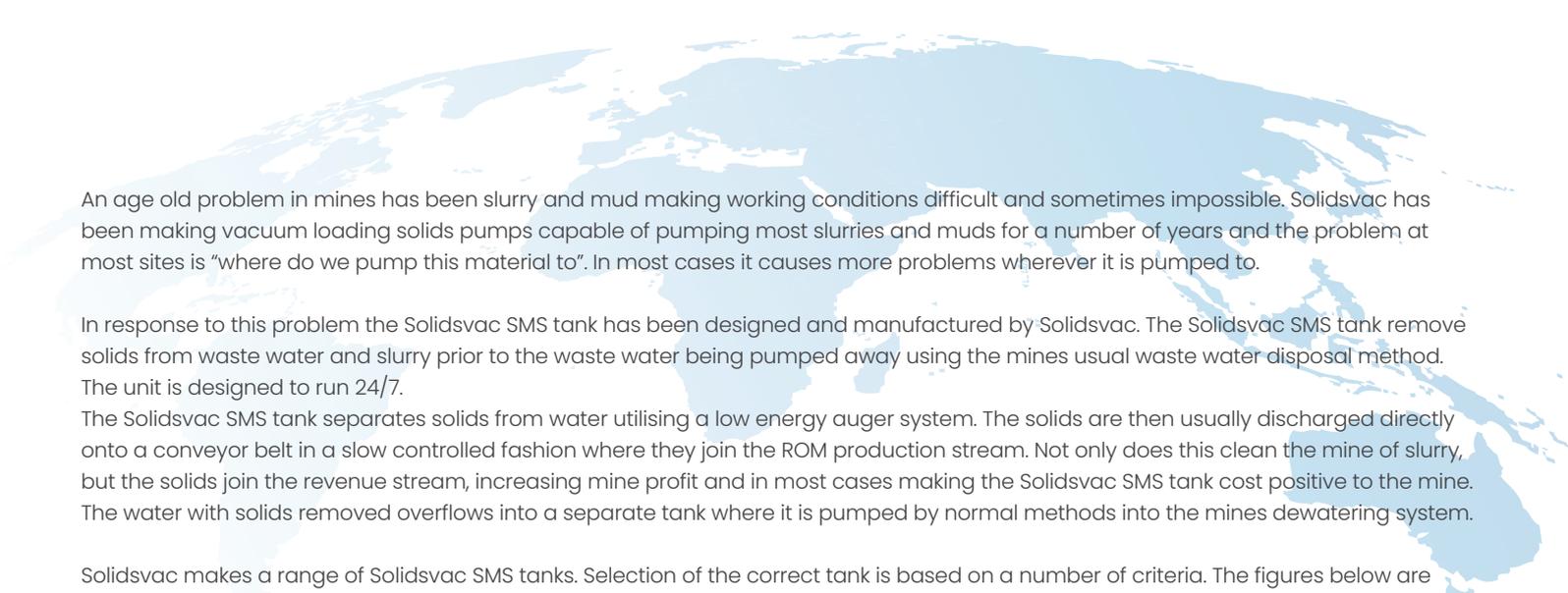
**SVSMS – 366 & 280**

**Slurry Management System**



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

+61 456 000 665 / [info@solidsvac.com](mailto:info@solidsvac.com) / [www.solidsvac.com](http://www.solidsvac.com)



An age old problem in mines has been slurry and mud making working conditions difficult and sometimes impossible. Solidsvac has been making vacuum loading solids pumps capable of pumping most slurries and muds for a number of years and the problem at most sites is “where do we pump this material to”. In most cases it causes more problems wherever it is pumped to.

In response to this problem the Solidsvac SMS tank has been designed and manufactured by Solidsvac. The Solidsvac SMS tank remove solids from waste water and slurry prior to the waste water being pumped away using the mines usual waste water disposal method. The unit is designed to run 24/7.

The Solidsvac SMS tank separates solids from water utilising a low energy auger system. The solids are then usually discharged directly onto a conveyor belt in a slow controlled fashion where they join the ROM production stream. Not only does this clean the mine of slurry, but the solids join the revenue stream, increasing mine profit and in most cases making the Solidsvac SMS tank cost positive to the mine. The water with solids removed overflows into a separate tank where it is pumped by normal methods into the mines dewatering system.

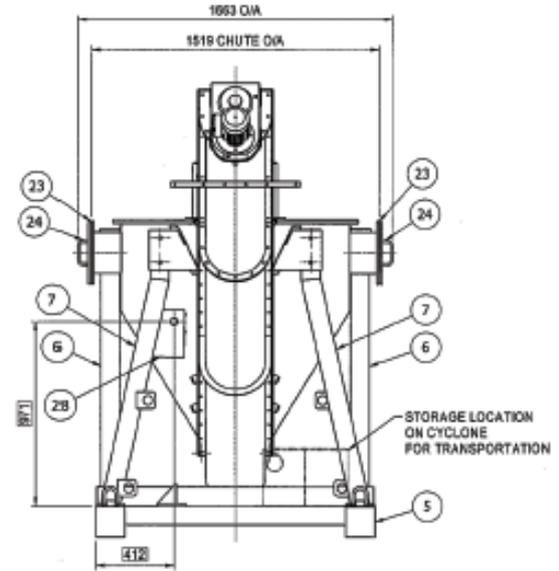
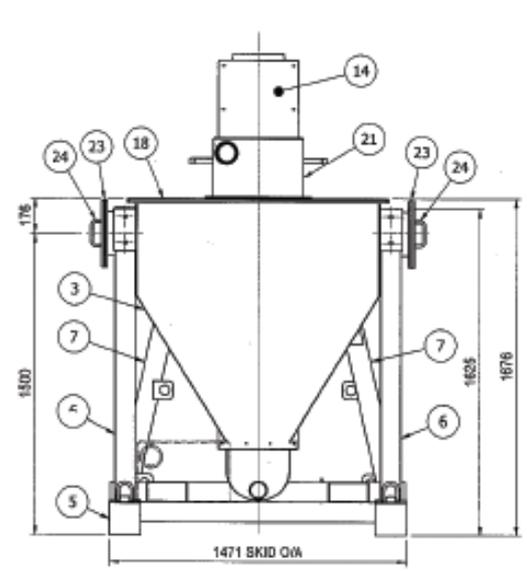
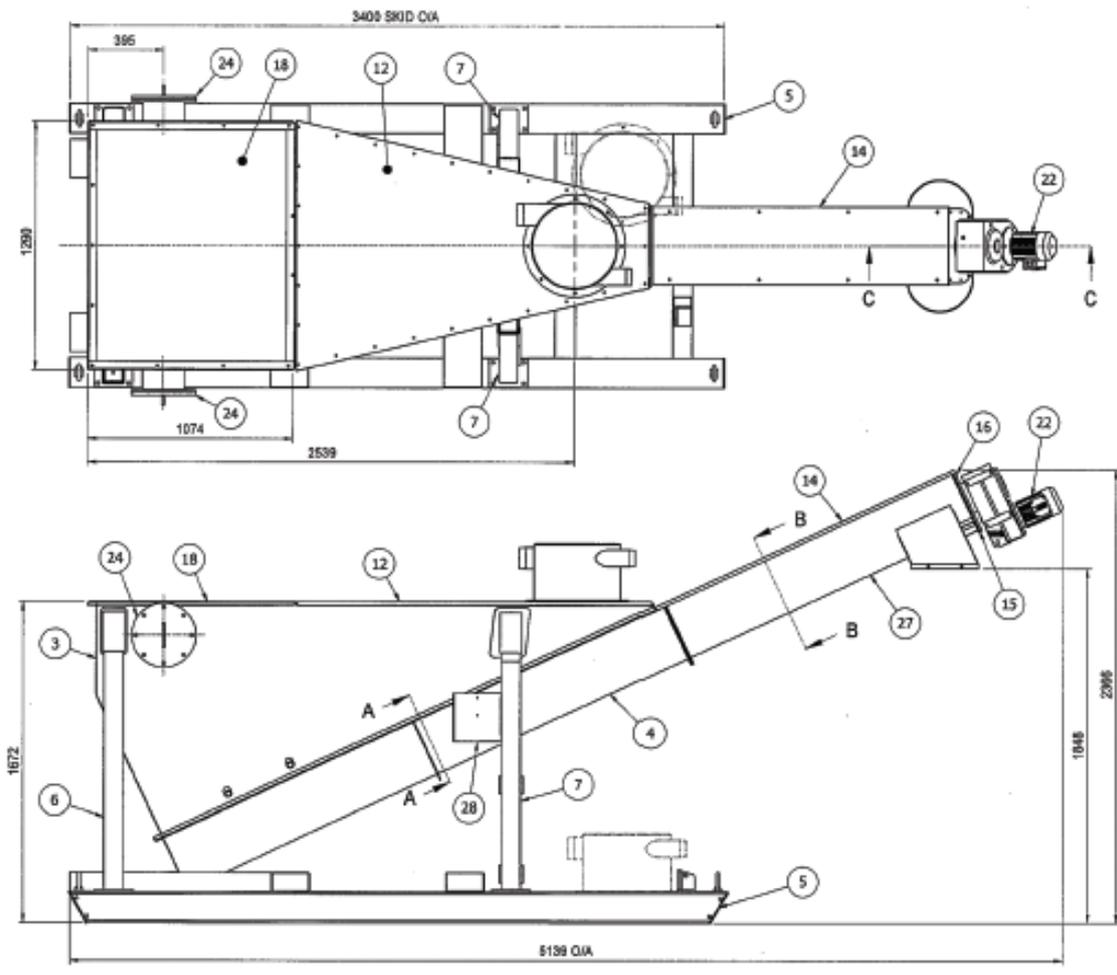
Solidsvac makes a range of Solidsvac SMS tanks. Selection of the correct tank is based on a number of criteria. The figures below are dependent on the material being pumped to the tank which varies from site to site.

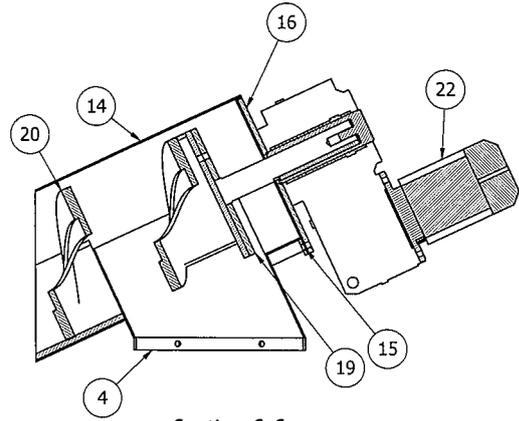
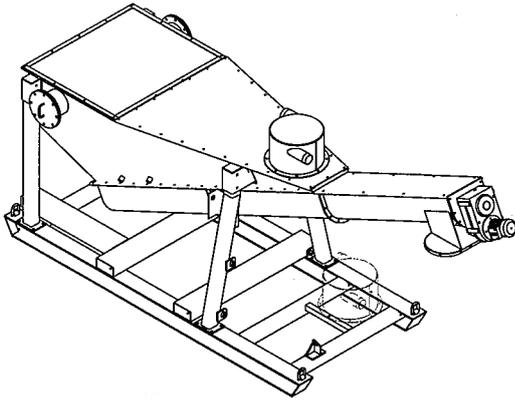
Typical figures are:

Waste water input – up to 100l/s

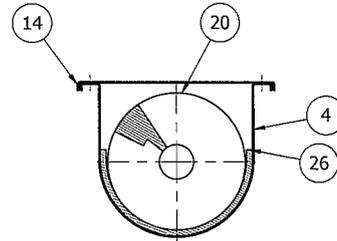
Solids input - <150 mm in slurry

Solids discharge – >0.5mm to 150mm

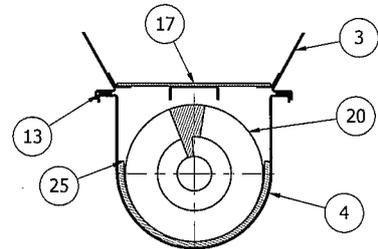




Section C-C



Section B-B



Section A-A

1	Auger
3	Main Shute
4	Trough
5	Skid
6	Rear Support Leg
7	Front Support Leg
8	Right Hand Guard Gasket
9	Left Hand Guard Gasket
10	Front Guard Gasket
11	Rear Guard Gasket
12	Guard No 1
13	Through Gasket
14	Guard No 2
15	Motor Plate Seal Gasket
16	Motor Mount Plate
17	Deflector Plate
18	Rear Guard
19	Drive Coupling
20	Auger
21	Cyclone
22	Motor
23	Pipe Gasket
24	Pipre Cover
25	Through UHMWPE
26	Extension Through UHMWPE
27	Extension Trough
28	Air Filter Mounting Plate