



JWC
Environmental®

Trust Monster Quality™

IPEC™

SLB SERIES

SCREENINGS CONVEYOR/COMPACTOR



FEATURES

- 304 stainless steel construction
- open solids discharge section
- shaft-mounted, TEFC, geardrive motor

OPTIONS

- available as "Low Profile (LP)" unit to better fit in confined spaces
- 316 stainless steel construction
- control panel
- compressed solids bagger, fitted with individual bags



The SLB series sewage screen meets the needs of small WWTP systems in treatment of domestic wastewater. The compact unit removes trash solids from primary effluent ahead of the biological process cells. The auger style screen removes solids down to 500 micron, followed by washing and compacting of solids for land disposal.

For rural housing complexes, subdivisions, recreation resorts and exploration/construction sites the SLB is the ideal screen.

The unit consists of an auger with cleaning brushes attached along rim, a fixed screen cylinder of perforated plate, a structured wedgewire element for extraction of pressate, an automatically operated cleaning shower, a solids discharge spout and a mechanical gear drive and motor.

METHOD OF OPERATION

The unit is sized to accept effluent directly from small sewage pumps [max 2" solids].

Influent is pumped to an inlet fitting which directs flow to screen cylinder. Solids are retained on the interior of cylinder and are transported axially by the auger. Solids are allowed to accumulate in the press zone cylinder where a series of shower nozzles are directed to wash organic components during a compaction process. The final discharge solids exit in plug form to a disposal bin. Filtrate and wash water collects in the bottom of housing and drains by gravity to the downstream treatment process.

APPLICATION:

The SLB series of screens maximum flow is designed around the traditional 2 or 3 inch wastewater pump. Following is the maximum domestic Municipal effluent flow rate for each screen.

SLB Series Press Capabilities - gpm (m ³ /hr)			
Perforated Opening	SLB 636 LP - Flow	SLB 636 - Flow	SLB 848 - Flow
6mm Opening	170 (39)	190 (43)	300 (68)
3mm Opening	150 (34)	160 (36)	250 (57)
2mm Opening	120 (27)	130 (30)	225 (51)
1.5mm Opening	100 (23)	110 (25)	150 (34)
500micron Wedgewire	45 (10)	50 (11)	90 (20)

This chart is to be used only as a guide. The capacity of the SLB may vary due to characteristics of the solids material. All data based on pumped flow.

CONTACT JWC Environmental | IPEC

Toll Free: (800)663-8409 • Tel: (604)291-7150 • Fax: (604)291-7190 • Email: sales@jwce.com • Web Site: jwce.com