



JWC
Environmental®

Trust Monster Quality™

IPEC™

CLT SERIES

IN-CHANNEL SCREENS



OPTIONS

- 304 stainless steel construction
- 316 stainless steel construction
- wedgewire or perforated plate
- openings from 0.020" to 0.750"
- control panel with shower control & auto-reverse
- heat tracing
- solids bagger

The CLT Series is designed for primary screening of effluents flowing in open channels. They use a shaft-less screw to transport, wash, and compact solids that have been captured on a fixed submerged screen element. The CLT – A model adds an agitator device to break up soft organic solids.

METHOD OF OPERATION

The unit is mounted at a 35° - 45° angle over an effluent channel. The wastewater enters a cylindrical shaped screen segment, where coarse solids are captured. The spiral moves the solids upwards along a solids transport tube, to a zone where a plug is formed. Solids are dewatered by compaction against the plug. Liquid is discharged through a short, slotted screen section, a cyclical shower of fresh water at the compaction point washes fine, loose solids back into the channel. Compacted solids with a dryness of 40% or more are scraped from the plug and are discharged through a vertically aligned spout. In municipal applications, the discharged solids are completely free of fecal matter even with low shower water usage.



**MODEL
CODE**

CLT XXX

Auger Diameter
Inches

Model	Screen Width - inches (mm)	Channel Width - inches (mm)	Water Depth - inches (mm)	Flow Capacities - gpm (m ³ /hr)					
				0.04 (1mm)	0.08 (2mm)	0.132 (3mm)	0.157 (4mm)	0.197 (5mm)	0.235 (6mm)
CLT 200	8 (203)	12 (305)	14 (356)	300 (68)	350 (79)	400 (91)	450 (102)	500 (114)	600 (136)
CLT 300	12 (305)	18 (457)	18 (457)	400 (91)	500 (114)	600 (136)	700 (159)	800 (182)	900 (204)
CLT 400	16 (406)	20 (508)	20 (508)	500 (114)	750 (170)	900 (204)	1000 (227)	1300 (295)	1600 (363)
CLT 500	20 (508)	24 (610)	24 (610)	650 (148)	950 (216)	1400 (318)	1600 (363)	1900 (431)	2100 (477)
CLT 600	24 (610)	30 (762)	30 (762)	800 (182)	1200 (273)	1500 (341)	1800 (409)	2100 (477)	2400 (545)
CLT 750	30 (761)	32 (813)	36 (914)	1400 (318)	1900 (431)	2300 (522)	2800 (636)	3300 (749)	2800 (636)

This chart is only to be used as a guide. For specific sizing inquiries please contact JWC Environmental | IPEC.

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