



#### 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 shaftless 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 down the 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 discharge solids are completely free of fecal matter even with low shower water usage.



#### IPEC Sizing for Municipal Headworks In-Channel Screens

Model	Screen Width	Channel Width	Water Depth	1 mm 0.04"	2 mm 0.08"	3 mm 0.132"	4 mm 0.157"	5 mm 0.197"	6mm 0.235"
CLT 200	8"	12"	14"	260	330	390	450	490	590
CLT 300	12"	15"	18"	390	490	590	660	720	880
CLT 400	14"	18"	20"	480	720	870	980	1,290	1,560
CLT 500	20"	24"	24"	650	940	1,410	1,600	1,960	2,160
CLT 600	24"	30"	30"	970	1,460	1,960	2,220	2,560	2,810
CLT 700	30"	36"	36"	1,650	2,200	2,930	3,320	3,390	3,730

This chart is only to be used as a guide. For specific sizing enquiries, please contact IPEC

#### CONTACT IPEC

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