

« CV » TRASH RAKES

SCRAPER TYPE



PURPOSE

- ◆ To remove incoming, larger-sized debris (branches, seaweed, plastics, refuse, large jelly-fish, etc.) in small and medium capacity plants.

DESCRIPTION

- ◆ CV rakes are installed at the inlet of screening plants, ahead of the travelling band screens or the drum screens
- ◆ The water flows across the vertical bar rack where the debris are arrested
- ◆ When cleaning is required, the rake which is normally parked open above deck, travels down the wall guides and tilts when reaching the bottom
- ◆ The rake engages the bar rack, travels up collecting all arrested debris in the process
- ◆ On reaching deck level, the debris are swept off the rake by the cleaning arm, into the deck trough or trash baskets

ADVANTAGES

- ◆ Well suited to all types of debris
- ◆ Easy, compact installation (vertical)
- ◆ Dewatered debris are discharged
- ◆ Well proven
- ◆ Economical
- ◆ Very low head above deck (1.3 m approx.)
- ◆ Fully automatic
- ◆ Easy reduced maintenance

OPTIONAL FEATURES

- ◆ Atex protection
- ◆ Drinking water qualification
- ◆ Seismic qualification



NECESSARY ANCILLARIES

- ◆ Head-loss monitoring system
- ◆ Electrical control cabinet
- ◆ Pit dewatering stoplogs
- ◆ Trash collection system (baskets, etc)



MATERIALS

- ◆ Bar racks, rake guides, top structure, debris slide, top shaft:
 - For fresh-water applications: painted carbon steel or AISI 304L stainless steel ;
 - For seawater applications: AISI 316L stainless steel with anodes or super-duplex stainless steel
- ◆ Trash collectors / rakes: for fresh-water applications:
 - For fresh-water applications: AISI 304L stainless steel ;
 - For seawater applications: AISI 316L, duplex or super-duplex stainless steel.

SIZE AND DATA

- ◆ Standard width from 1 to 4 m (3.3 to 10 ft)
- ◆ Bar free spacing: 20 to 60 mm
- ◆ Vertical installation
- ◆ Fixed raking head



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