

# FRONT RAKE SCREEN COARSE

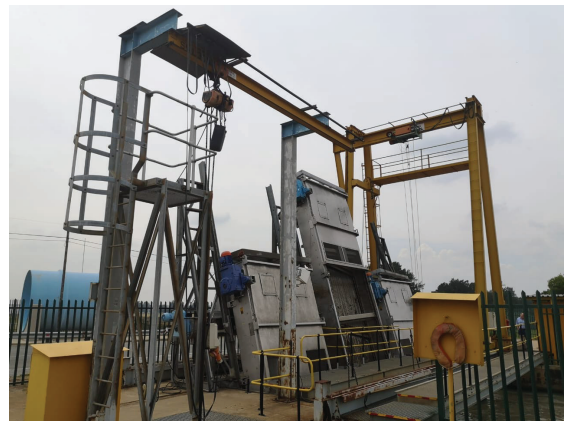


## Description

The Incline Bar Coarse Screen (IBCS) is used for "coarse screening" where the removal of waste material between 15 and 100 mm in size is required in water and wastewater treatment. The screenings are collected against a taper bar screen field and the waste is removed by means of a multiple rake system. The rakes pass over the screen field and in doing so remove the entrapped screenings waste which lodges against the taper bars. The screenings waste is then transported by engineered rake system which is attached to a chain located at either end. The screenings waste moves up the debris plate and is discharged at the top of the screen. The scraper system directs the screenings waste down the discharge chute for further processing.

## Application

- Wastewater treatment plants
- Water treatment plants
- Irrigation systems
- Water level regulation
- Pump stations
- Mining industry



## Features & Benefits

- Screening sizes between 15 – 100 mm
- Customized rake to suit screen bar spacing
- Low cost screening application
- No moving parts
- Optional Extras: Drip tray



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# Performance & Specification

## IBCS Screen - Estimated Flow Rates

- We manufacture to suit non-standard openings
- Theoretical capacities
- Table data subject to change to suit civil and flow conditions
- All dimensions in mm

MODEL	BAR SPACING (E) (liters/sec)			
	15	20	30	40
IBCS800	997	1101	1238	1321
IBCS1000	1127	1245	1397	1483
IBCS1200	1451	1605	1800	1915
IBCS1400	1771	1965	2207	2358
IBCS1500	1937	2149	2412	2574
IBCS2000	2750	3053	3438	3672
IBCS2500	3564	3960	4464	4780
IBCS3000	4392	4878	5472	5886

MODEL	CHANNEL WIDTH (A)	CHANNEL DEPTH (B)	DISCHARGE HEIGHT ( C )	STANDARD SCREENING ZONE HEIGHT (D)	INSTALLED POWER kW
IBCS800	800	1000	CUSTOMER'S REQUIRMENT	850	0.75
IBCS1000	1000	1000	CUSTOMER'S REQUIRMENT	850	1.1
IBCS1200	1200	1000	CUSTOMER'S REQUIRMENT	850	1.1
IBCS1400	1400	1200	CUSTOMER'S REQUIRMENT	1000	1.5
IBCS1500	1500	1400	CUSTOMER'S REQUIRMENT	1200	1.5
IBCS2000	2000	1800	CUSTOMER'S REQUIRMENT	1600	2.2
IBCS2500	2500	2200	CUSTOMER'S REQUIRMENT	2000	3.0
IBCS3000	3000	2800	CUSTOMER'S REQUIRMENT	2500	3.0

