

FRONT RAKE SCREEN (ULTRA FINE)



Description

The Ultra-Fine Incline Bar Screen is used for "ultra-fine screening" where the removal of waste material from 0.5 up to 4 mm in size is required. The screenings are collected against a wedge wire screen field and the waste is removed by means of a multiple brush or a rubber insertion rake system. The rakes pass over the wedge wire screen field and in doing so removes the entrapped screenings waste. The screenings waste is then carried by the dual chain driven rake system up the debris plate and discharged at the top of the screen via the scraper system, and is expelled down the discharge chute for further processing.

Application

- Wastewater treatment plants
- Water treatment plants
- Irrigation systems
- Sludge plants
- Food & Beverage
- Mining industry
- Abattoirs



Features & Benefits

- Four or more cleaning rakes
- Specific materials of construction to suit the application: 3CR12, 304SS, 316SS
- Inclined at 50°-60° to the horizontal
- Chain Technical Features:
 - Lower chain guide with no moving part
 - Modular design
 - High tensile strength due to thicker links and pins
 - Low wear due to roller elements
 - Hardened duplex S/S pins with S/S links and hubs
- Removable covers for ease of maintenance
- No lower bearing or sprocket submerged below water level
- Recessed side frame to remove chain from flow path
- Mechanical torque overload switch which prevents damage to equipment



+1 360 . 314 . 2692
+1 360 . 521 . 7524



jlewis@centexfp.com
www.centexfp.com



7600 NE 47th Avenue
Vancouver, WA 98661 - USA



Performance & Specification

IBUFS 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)				
	0.5	1	2	3	4
IBUFS400	96	160	240	280	286
IBUFS600	180	300	457	530	544
IBUFS800	263	414	673	784	803
IBUFS1000	277	470	727	889	911
IBUFS1200	352	601	932	1145	1170
IBUFS1400	432	734	1137	1397	1430
IBUFS1500	468	802	1242	1530	1559

MODEL	CHANNEL WIDTH (A)	CHANNEL DEPTH (B)	DISCHARGE HEIGHT (C)	STANDARD SCREENING ZONE HEIGHT (D)	INSTALLED POWER kW
IBUFS400	400	800	CUSTOMER'S REQUIREMENT	600	0.55
IBUFS600	600	1000	CUSTOMER'S REQUIREMENT	850	0.75
IBUFS800	800	1000	CUSTOMER'S REQUIREMENT	850	0.75
IBUFS1000	1000	1200	CUSTOMER'S REQUIREMENT	1000	1.1
IBUFS1200	1200	1200	CUSTOMER'S REQUIREMENT	1000	1.1
IBUFS1400	1400	1500	CUSTOMER'S REQUIREMENT	1200	1.5
IBUFS1500	1500	1500	CUSTOMER'S REQUIREMENT	1200	2.2

