

THE BLUE WHALE

FOR RELIABILITY, LONGEVITY & OPERATIONAL SAVINGS

Eliminate costly system downtime, disruptions and maintenance with the Or-Tec Blue Whale Micro Bar Screen for the headworks of municipal wastewater treatment plants. The patented, ultra-fine screen offers unsurpassed debris capture - for huge downstream equipment, labor and process savings:

No Washwater. No Brushes.



**EASY TO INSTALL
& OPERATE**



**LOW
MAINTENANCE**



**UNSURPASSED
CAPTURE OF WIPES,
PLASTICS & DEBRIS**

RAISING THE BAR

Managing a nonstop wastewater treatment operation is no easy feat. The Or-Tec Blue Whale Micro Bar Screen meets the highest standards for maintenance-free reliability and performance, with over 2,000 screen installations in operation. The superfine screen works around the clock to protect your plant, saving you time and money.



Precisely engineered rakes clean the bar array to ensure clog free operation without washwater or brushes.

“THE OR-TEC BLUE WHALE SCREEN HAS MADE A PROFOUND DIFFERENCE TO OUR PLANT ... BEST THING TO HAPPEN TO THE PLANT IN 20 YEARS”

Scott - Operations Manager
Waycross Wastewater Treatment Plant, Georgia

“FIRST, WE HAVE THE WATER SAVINGS, THEN THE REDUCED MAINTENANCE. I JUST FEEL THAT IT IS A VERY GOOD PIECE OF EQUIPMENT AND I WOULD HIGHLY RECOMMEND IT TO ANYONE...”

Rich - Chief Operator
Louisville Wastewater Treatment Plant, Ohio



EASY TO INSTALL & OPERATE

- In channel, in tank or vertical or wet well installations customized for your operation with expert engineering support
- Capacities from 0.3 m³/h to 20,000 m³/h per screen
- Remove wipes, rags and plastics with 1mm to 25mm openings
- No upstream coarse screen required.
- Unmatched customer service and support
- Complete package with Compactor Washer and Controls available.
- Available in 304 and 316 stainless steel



LOW MAINTENANCE

- Reliable and low maintenance, with a 5 year bushing warranty
- With continuous self-cleaning your system will not blind — no blockages, disruptions or downtime
- Massive reduction in clogging, maintenance & failures on downstream equipment caused by debris (no ragging)
- Removes more fats, oils & grease than any other system – with no clogging



UNSURPASSED DEBRIS CAPTURE

- Fine screens remove wipes and plastics and protect your wastewater treatment plant
- Drastically increase the lifespan and efficiency of downstream equipment and processes
- The self-cleaning system does not require brushes or wash water, and operates with low horsepower/energy requirements



Vertical Blue Whale screen protecting a wastewater treatment plant.

FLOW CAPACITY OF BLUE WHALE MICRO BAR SCREEN

Bar Spacing	Standard Domestic Sewage TSS ≤ 500mg/L			Scum Screening	RAS Screening
	2mm	3mm	5mm	3mm	3mm
Model	Flowrate in m3/hr				
MB460	79	110	126	47	47
MB4120	221	268	331	95	95
MB6100	237	300	379	110	110
MB6150	394	505	615	189	189
MB6200	552	694	868	268	268
MB6300	868	1104	1373	410	410
MB7100	347	426	536	158	158
MB7150	568	710	883	268	268
MB7200	789	994	1247	379	379
MB7300	1247	1561	1924	584	584
MB9150	694	868	1088	331	331
MB9200	978	1231	1530	457	457
MB9300	1546	1939	2414	726	726
MB10150	852	1073	1341	410	410
MB10200	1215	1514	1893	568	568
MB10300	1909	2395	2997	899	899
MB10400	2618	3298	4104	1231	1231
MB12150	1010	1278	1577	473	473
MB12200	1435	1814	2254	677	677
MB12300	2287	2872	3577	1073	1073
MB12400	3139	3943	4901	1483	1483
MB12500	3992	5013	6236	1877	1877
MB15200	1893	2383	2965	899	899
MB15300	3014	3785	4714	1420	1420
MB15400	4134	5190	6462	1941	1941
MB15500	5255	6593	8202	2477	2477
MB20250	3437	4325	5381	1625	1625
MB20300	4233	5303	6461	1987	1987
MB20400	5785	7275	9052	2728	2728
MB20500	7360	9242	11525	3470	3470
MB20850	12866	16088	20085	6059	6059

MB SCREEN AND TANK SELECTION TABLE			PEAK FLOW (m3/hr)		
Model	1mm	1.5mm	2mm	3mm	5/6mm
MB240 KT		18	22	28	31
MB260 KT		33	41	51	57
MB280 KT		48	59	74	83
MB460 KT		66	81	102	114
MB480 KT		94	114	144	161
MB460T	77	103	126	158	177
MB560T	91	121	148	185	208
MB660T	104	139	170	213	239
MB690T (10)	120	160	196	246	276
MB690T (12)	152	203	247	310	348
MB790T (10)	175	233	284	357	400
MB790T (12)	224	298	364	456	512
MB990T	264	351	428	537	603
MB10100T	326	434	530	665	746
MB10120T	485	647	789	990	1111

ALL DIMENSIONS ARE IN INCHES
FLOW IS BASED STANDARD MUNICIPAL
WASTEWATER WITH TSS ≤ 500mg/L

Septage Receiving Stations	Peak Flow m3/hr
MB790SR	90
MB990SR	110
MB10100SR	135

These are the design conditions we use

Peak TSS: <15,000 mg/L
Peak FOG: <8,000 mg/L