

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 100 gpm to 127 mgd 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 Municipal Wastewater TSS ≤ 500mg/L			Scum Screening	RAS Screening
	2mm	3mm	5mm	3mm	3mm
Model	Flowrate in MGD (million gallons per day)				
MB460	0.5	0.7	0.8	0.3	0.3
MB4120	1.4	1.7	2.1	0.6	0.6
MB6100	1.5	1.9	2.4	0.7	0.7
MB6150	2.5	3.2	3.9	1.2	1.2
MB6200	3.5	4.4	5.5	1.7	1.7
MB6300	5.5	7.0	8.7	2.6	2.6
MB7100	2.2	2.7	3.4	1.0	1.0
MB7150	3.6	4.5	5.6	1.7	1.7
MB7200	5.0	6.3	7.9	2.4	2.4
MB7300	7.9	9.9	12.4	3.7	3.7
MB9150	4.4	5.5	6.9	2.1	2.1
MB9200	6.2	7.8	9.7	2.9	2.9
MB9300	9.8	12.3	15.3	4.6	4.6
MB10150	5.4	6.8	8.5	2.6	2.6
MB10200	7.7	9.6	12.0	3.6	3.6
MB10300	12.1	15.2	19.0	5.7	5.7
MB10400	16.6	20.9	26.0	7.8	7.8
MB12150	6.4	8.1	10.0	3.0	3.0
MB12200	9.1	11.5	14.3	4.3	4.3
MB12300	14.5	18.2	22.7	6.8	6.8
MB12400	19.9	25.0	31.1	9.4	9.4
MB12500	25.3	31.8	39.5	11.9	11.9
MB15200	12.0	15.1	18.8	5.7	5.7
MB15300	19.1	24.0	29.9	9.0	9.0
MB15400	26.2	32.9	41.0	12.3	12.3
MB15500	33.3	41.8	52.1	15.7	15.7
MB20250	21.8	27.4	34.1	10.3	10.3
MB20300	26.8	33.6	41.9	12.6	12.6
MB20400	36.7	46.1	57.4	17.3	17.3
MB20500	46.7	58.6	73.0	22.0	22.0
MB20850	81.5	102.3	127.4	38.4	38.4

MB SCREEN AND TANK SELECTION TABLE			PEAK FLOW (gpm)				
Model	Tank Dimensions	Screen Length	1mm	1.5mm	2mm	3mm	5/6mm
MB240 KT	18" x 16" x 32"	42"		80	98	122	137
MB260 KT	18" x 24" x 39"	42"		147	179	224	252
MB280 KT	18" x 32" x 42"	63"		213	260	326	366
MB460 KT	24" x 24" x 39"	42"		293	358	449	504
MB480 KT	24" x 32" x 42"	63"		413	504	632	710
MB460T	24" x 35" x 42"	77"	340	453	553	694	779
MB560T	24" x 35" x 59"	77"	400	533	650	816	916
MB660T	26" x 35" x 42"	77"	460	613	748	938	1053
MB690T [10]	28" x 39" x 59"	94"	530	706	861	1081	1214
MB690T [12]	28" x 42" x 68"	94"	670	893	1089	1367	1534
MB790T [10]	32" x 39" x 63"	94"	770	1026	1251	1571	1763
MB790T [12]	32" x 42" x 63"	94"	985	1313	1601	2009	2256
MB990T	40" x 42" x 71"	94"	1160	1546	1885	2366	2656
MB10100T	42" x 42" x 94"	94"	1435	1913	2332	2927	3286
MB10120T	42" x 59" x 94"	122"	2137	2848	3472	4359	4893

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

Septage Receiving Stations		Screen Length	Peak Flow GPM
MB790SR	32" x 42" x 63"	94"	400
MB990SR	39" x 42" x 71"	94"	500
MB10100SR	42" x 42" x 94"	94"	600

Listed capacities are based on
US-EPA Septage design criteria

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