

OR-TEC MICRO BAR SCREEN

The OR-TEC Blue Whale Micro Bar Screen is a superfine mechanical bar screen suitable for the headworks of both municipal and industrial wastewater treatment plants



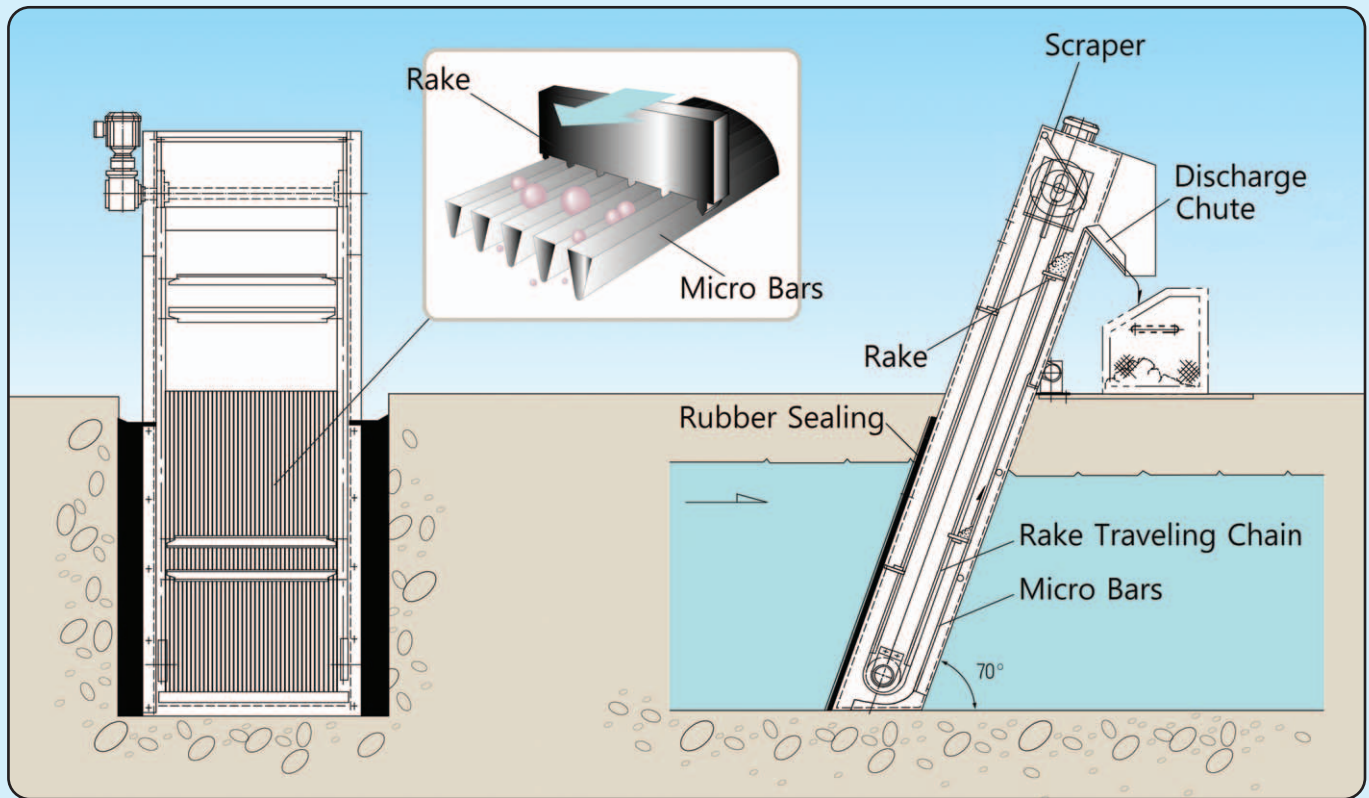
"Screen as small as 1mm, guaranteed not to blind"

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Special Features of the Micro Bar Screen



The Micro Bar Screen consists of a parallel array of wedge-sectioned bars with even spaces. It is located in the influent wastewater channel at about 70° angle. The water flows through the openings between the screen bars while the solids are captured on the upstream side of the screen bars. Captured solids are lifted up to the top of the screen by the travelling rakes whose penetrating teeth fully clean the openings between the screen bars. This screenings are discharged by a scraper mechanism.

- * Over 1,000 units of the 1~5mm opening Micro Bar Screens are installed in wastewater treatment plants protecting pumps and valves by removing stringy material and scum
- * Removing suspended solids at the headworks solves the problem of the solids settling, improving the efficiency of whole wastewater treatment plant
- * Optimal screen for protecting the 0.5~3.0mm opening pre-membrane filters
- * With 7 patents this state of the art technology is guaranteed not to blind the 1~5mm screen openings and ensures almost complete maintenance free operation for over 10 years
- * No high pressure washwater spray systems required to keep the screen openings clean (This results in huge savings in water and electrical usage)
- * No rotating brushes are required so there is no maintenance or replacement of brushes

Flow Capacity of Micro Bar Screen® (m³/Hr.) (mgd)

Application	Sewage Pumping Station	Sewaget.P. Headworks I	Sewaget.P. Headworks II	Sewaget.P. Headworks III	S.T.P. Scum Screening	S.T.P. Sludge Screening	Hotel Effluent	Catering	Pulp&Paper wastewater I	Pulp&Paper Wastewater II	Textile & Dyeing	Fish Farm Effluent	Seafood Processing	Citrus Peel Liquor	Citrus Total Plant Effluent	Fruit-Vegetable Process	Dairy Wastewater	Brewing Wastewater	Beer Brewery Wastewater	Bottle Washing	Stockyard Washdown	Slaughterhouse	Paint Spray Booth Spray Water Recycling
Opening(mm)	5	2	3	5	3	3	2	2	3	5	1	1	2	1	1	1	1	1	2	2	1	1	1.5
MB-360	145 0.9	87 0.5	111 0.7	145 0.9	29 0.2	37 0.2	63 0.4	30 0.2	37 0.2	48 0.3	53 0.3	53 0.3	58 0.4	15 0.1	53 0.3	39 0.2	39 0.2	39 0.2	77 0.5	58 0.4	36 0.2	36 0.2	51 0.3
MB-460	197 1.2	118 0.7	152 1	197 1.2	39 0.2	51 0.3	85 0.5	40 0.3	51 0.3	66 0.4	73 0.5	73 0.5	79 0.5	20 0.1	73 0.5	53 0.3	53 0.3	53 0.3	105 0.7	79 0.5	49 0.3	49 0.3	70 0.4
MB-4120	394 2.5	237 1.5	303 1.9	394 2.5	79 0.5	101 0.6	171 1.1	81 0.5	101 0.6	131 0.8	146 0.9	146 0.9	158 1	40 0.3	146 0.9	105 0.7	105 0.7	105 0.7	210 1.3	158 1	97 0.6	97 0.6	140 0.9
MB-6100	493 3.1	296 1.9	379 2.4	493 3.1	99 0.6	126 0.8	214 1.4	101 0.6	126 0.8	164 1	182 1.2	182 1.2	197 1.2	51 0.3	182 1.2	131 0.8	131 0.8	131 0.8	263 1.7	197 1.2	121 0.8	121 0.8	175 1.1
MB-6150	739 4.7	444 2.8	569 3.6	739 4.7	148 0.9	190 1.2	320 2	152 1	190 1.2	246 1.6	273 1.7	273 1.7	296 1.9	76 0.5	273 1.7	197 1.2	197 1.2	197 1.2	394 2.5	296 1.9	182 1.2	182 1.2	263 1.7
MB-6200	893 5.7	536 3.4	687 4.4	893 5.7	179 1.1	229 1.5	387 2.5	183 1.2	229 1.5	298 1.9	330 2.1	330 2.1	357 2.3	92 0.6	330 2.3	238 1.5	238 1.5	238 1.5	476 3	357 2.3	220 1.4	220 1.4	317 2
MB-6300	1478 9.4	887 5.6	1137 7.2	1478 9.4	296 1.9	379 2.4	641 4.1	303 1.9	379 2.4	493 3.1	546 3.5	546 3.5	591 3.7	152 1	546 3.5	394 2.5	394 2.5	394 2.5	788 5.0	591 3.7	364 2.3	364 2.3	526 3.3
MB-7100	671 4.3	402 2.6	516 3.3	671 4.3	134 0.9	172 1.1	291 1.8	138 0.9	172 1.1	224 1.4	248 1.6	248 1.6	268 1.7	69 0.4	268 1.7	179 1.1	179 1.1	179 1.1	358 2.3	268 1.7	165 1.1	165 1.1	238 1.5
MB-7150	893 5.7	536 3.4	687 4.4	893 5.7	179 1.1	229 1.5	387 2.5	183 1.2	229 1.5	298 1.9	330 2.1	330 2.1	357 2.3	92 0.6	330 2.3	238 1.5	238 1.5	238 1.5	476 3	357 2.3	220 1.4	220 1.4	317 2
MB-7200	1314 8.3	788 5.0	1011 6.4	1314 8.3	263 1.7	337 2.1	569 3.6	270 1.7	337 2.1	438 2.8	485 3.1	485 3.1	526 3.3	135 0.9	485 3.1	350 2.2	350 2.2	350 2.2	701 4.4	526 3.3	323 2.1	323 2.1	467 3.0
MB-7300	1971 12.5	1183 7.5	1516 9.6	1971 12.5	394 2.5	505 3.2	854 5.4	404 2.6	505 3.2	657 4.2	728 4.6	728 4.6	788 5	202 1.3	728 4.6	526 3.3	526 3.3	526 3.3	1051 6.7	788 5.0	485 3.1	485 3.1	701 4.4
MB-9150	1232 7.8	739 4.7	948 6.0	1232 7.8	246 1.6	316 2.0	534 3.4	253 1.6	316 2.0	411 2.6	455 2.9	455 2.9	493 3.1	126 0.8	455 2.9	329 2.1	329 2.1	329 2.1	657 4.2	493 3.1	303 1.9	303 1.9	438 2.8
MB-9200	1643 10.4	986 6.2	1264 8	1643 10.4	329 2.1	421 2.7	712 4.5	337 2.1	421 2.7	548 3.5	607 3.8	607 3.8	657 4.2	168 1.1	607 3.8	438 2.8	438 2.8	438 2.8	876 5.6	657 4.2	404 2.6	404 2.6	584 3.7
MB-9300	2464 15.6	1478 9.4	1895 12.5	2464 15.6	493 3.1	632 4	1068 6.8	505 3.2	632 4	821 5.2	910 5.8	910 5.8	986 6.2	253 1.6	986 6.2	657 4.2	657 4.2	657 4.2	1314 8.3	986 6.2	607 3.8	607 3.8	876 5.6
MB-10150	1478 9.4	887 5.6	1137 7.2	1478 9.4	296 1.9	379 2.4	641 4.1	303 1.9	379 2.4	493 3.1	546 3.5	546 3.5	591 3.7	152 1	546 3.5	394 2.5	394 2.5	394 2.5	788 5	591 3.7	364 2.3	364 2.3	526 3.3
MB-10200	1971 12.5	1183 7.5	1516 9.6	1971 12.5	394 2.5	505 3.2	854 5.4	404 2.6	505 3.2	657 4.2	728 4.6	728 4.6	788 5.0	202 1.3	728 4.6	526 3.3	526 3.3	526 3.3	1051 6.7	788 5	485 3.1	485 3.1	701 4.4
MB-10300	2957 18.7	1774 11.2	2274 14.4	2957 18.7	591 3.7	758 4.8	1281 8.1	607 3.8	758 4.8	986 6.2	1092 6.9	1092 6.9	1183 7.5	303 1.9	1092 6.9	788 5	788 5	788 5	1577 10	1183 7.5	728 4.6	728 4.6	1051 6.7
MB-10400	3942 25	2365 15	3033 19.2	3942 25	788 5	1011 6.4	1708 10.8	809 5.1	1011 6.4	1314 8.3	1456 9.2	1456 9.2	1577 10	404 2.6	1456 9.2	1051 6.7	1051 6.7	1051 6.7	2103 13.3	1577 10	970 6.2	970 6.2	1402 8.9
MB-12150	1807 11.5	1084 6.9	1390 8.8	1807 11.5	361 2.3	463 2.9	783 5	371 2.4	463 2.9	602 3.8	667 4.2	667 4.2	723 4.6	185 1.2	667 4.2	482 3.1	482 3.1	482 3.1	964 6.1	723 4.6	445 2.8	445 2.8	642 4.1
MB-12200	2409 15.3	1446 9.2	1853 11.8	2409 15.3	482 3.1	618 3.9	1044 6.6	494 3.1	618 3.9	803 5.1	890 5.6	890 5.6	964 6.1	247 1.6	890 5.6	642 4.1	642 4.1	642 4.1	1285 8.1	964 6.1	593 3.8	593 3.8	857 5.4
MB-12300	3614 22.9	2168 13.7	2780 17.6	3614 22.9	723 4.6	927 5.9	1566 9.9	741 4.7	927 5.9	1205 7.6	1334 8.5	1334 8.5	1446 9.2	371 2.4	1334 8.5	964 6.1	964 6.1	964 6.1	1927 12.2	1446 9.2	890 5.6	890 5.6	1285 8.1
MB-12400	4819 30.6	2891 18.3	3707 23.5	4819 30.6	964 6.1	1236 7.8	2088 13.2	988 6.3	1236 7.8	1606 10.2	1779 11.3	1779 11.3	1927 12.2	494 3.1	1779 11.3	1285 8.1	1285 8.1	1285 8.1	2570 16.3	1927 11.8	1186 7.5	1186 7.5	1713 10.9
MB-12500	6023 38.2	3614 22.9	4633 29.4	6023 38.2	1205 7.6	1544 9.8	2610 16.5	1236 7.8	1544 9.8	2008 12.7	2224 14.1	2224 14.1	2409 15.3	618 3.9	2224 14.1	1606 10.2	1606 10.2	1606 10.2	3212 20.4	2409 15.3	1483 9.4	1483 9.4	2142 13.6
MB-15200	3066 19.4	1840 11.7	2359 15	3066 19.4	613 3.9	786 5	1329 8.4	629 4	786 5	1022 6.5	1132 7.2	1132 7.2	1227 7.8	314 2	1132 7.2	818 5.2	818 5.2	818 5.2	1635 10.4	1227 7.8	755 4.8	755 4.8	1090 6.9
MB-15300	4600 29.2	2760 17.5	3538 22.4	4600 29.2	920 5.8	1179 7.9	1993 12.6	943 6	1179 7.9	1533 9.7	1698 10.8	1698 10.8	1840 11.7	472 3	1698 10.8	1227 7.8	1227 7.8	1227 7.8	2453 15.6	1840 11.7	1132 7.2	1132 7.2	1635 10.4
MB-15400	6133 38.9	3680 23.3	4717 29.9	6133 38.9	1227 7.8	1572 9.8	2657 16.8	1258 8	1572 9.8	2044 13	2264 14.4	2264 14.4	2453 15.6	629 4	2264 14.4	1635 10.4	1635 10.4	1635 10.4	3271 20.7	2453 15.6	1510 9.6	1510 9.6	2181 13.8
MB-15500	7666 48.6	4600 29.2	5897 37.4	7666 48.6	1533 9.7	1966 12.5	3322 21.1	1572 9.8	1966 12.5	2555 16.2	2830 17.9	2830 17.9	3066 19.4	786 5	2830 17.9	2044 13	2044 13	2044 13	4088 25.9	3066 19.4	1887 12	1887 12	2726 17.3
MB-20250	5202 33	3121 19.8	4001 25.4	5202 33	1040 6.6	1334 8.5	2254 14.3	1067 6.8	1334 8.5	1734 11.3	1921 12.2	1921 12.2	2081 13.2	534 3.4	1921 12.2	1387 8.8	1387 8.8	1387 8.8	2774 17.6	2081 13.2	1280 8.1	1280 8.1	1850 11.7
MB-20300	6242 39.6	3745 23.7	4802 30.4	6242 39.6	1248 7.9	1601 10.1	2705 17.1	1280 8.1	1601 10.1	2081 13.2	2305 14.6	2305 14.6	2497 15.8	640 4.1	2305 14.6	1665 10.6	1665 10.6	1665 10.6	3329 21.1	2497 15.8	1537 9.7	1537 9.7	2219 14.1
MB-20400	8323 52.8	4994 31.7	6402 40.6	8323 52.8	1665 10.6	2134 13.5	3607 22.9	1707 10.8	2134 13.5	2774 17.6	3073 19.5	3073 19.5	3329 21.1	854 5.4	3073 19.5	2219 14.1	2219 14.1	2219 14.1	4439 28.1	3329 21.1	2049 13	2049 13	2959 18.8
MB-20500	10404 66	6242 39.6	8003 50.7	10404 66	2081 13.2	2668 16.9	4508 28.6	2134 13.5	2668 16.9	3468 24.4	3841 24.4	3841 24.4	4161 26.4	1067 6.8	3841 24.4	2774 17.6	2774 17.6	2774 17.6	5549 35.2	4161 26.4	2561 16.2	2561 16.2	3699 23.5
MB-25300	7885 50	4731 30	6065 38.5	7885 50	1577 10	2022 12.8	3417 21.7	1617 10.3	2022 12.8	2628 16.7	2911 18.5	2911 18.5	3154 20	809 5.1	2911 18.5	2103 13.3	2103 13.3	2103 13.3	4205 26.7	3154 20	1941 12.3	1941 12.3	2804 17.8
MB-25400	10513 66.7	6308 40	8087 51.3	10513 66.7	2103 13.3	2696 17.1	4556 28.9	2157 13.7	2696 17.1	3504 22.2	3882 24.6	3882 24.6	4205 26.7	1078 6.8	3882 24.6	2804 17.8	2804 17.8	2804 17.8	5607 35.5	4205 26.7	2588 16.4	2588 16.4	3738 23.7
MB-25500	13141 83.3	7885 50	10109 64.1	13141 83.3	2628 16.7	3370 21.4	5695 36.1	2696 17.1	3370 21.4														