

Circular Screens

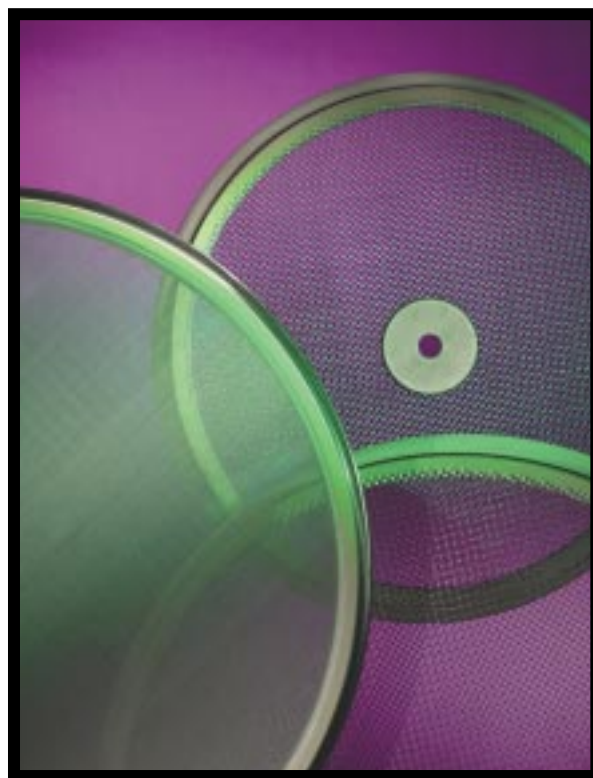
a full circle advantage

Buffalo Wire Works manufactures high quality replacement screens for circular vibratory separators. In our process, every screen is stretched in precision fixtures and checked for uniform screen cloth tension. The mesh is then bonded to a stainless steel tubular ring with a specially formulated, high strength epoxy resin. Since every wire is adhered to the ring and held under proper tension, the result is a longer lasting screen that maximizes product throughput. Each screen is delivered with a white rubber gasket attached, reducing change-out time.

Other replacement parts such as clamp rings, rubber balls, sliders and flexible connectors can be purchased from your one source for screening media – **Buffalo Wire Works**.

PERFORMANCE FEATURES

- **High-Quality Stainless Steel Construction**
- **All Epoxy Bonding**
 - Food grade & non-food grade
 - Temp rated up to 300°F
 - Heat cured for strength
- **Uniform Screen Cloth Tension**
 - Each screen individually tested
 - To ensure consistent specifications a Strain Gauge is used for testing 40 mesh and higher.
- **New Screens & Rescreening**
 - 18"-60" New Screens
 - 18"-74" Rescreening
- **Screen Mesh Range**
 - All grades Stainless Steel (*2 mesh-500mesh*)



Rubber Boots

Accessories

Buffalo Wire Works stocks a variety of accessories for your factories needs!

- SLIDERS (singular or cluster)
- RUBBER BOOTS (down spout connectors)
- 1-3/8" DIAMETER RUBBER BALLS



Mesh Cleaning Balls & Sliders

U.S. Standard Test Sieve Openings

U.S. Standard Sieve No.	Opening Inches	Approx. Microns
3.5	.2205	5600
4	.1870	4750
5	.1575	4000
6	.1319	3350
7	.1102	2800
8	.0929	2360
10	.0787	2000
12	.0669	1700
14	.0551	1400
16	.0465	1180
18	.0394	1000
20	.0335	850
25	.0280	710
30	.0236	600
35	.0197	500
40	.0167	425
45	.0140	355
50	.0118	300
60	.0098	250
70	.0083	212
80	.0071	180
100	.0059	150
120	.0049	125
140	.0042	106
170	.0035	90
200	.0030	75
230	.0025	63
270	.0021	53
325	.0018	45
400	.0015	38
500	.0010	25
635	.0008	20

Wire Cloth Specification Chart

Mill Grades

Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area
2	.054	.4460	79.6
3	.041	.2923	76.7
4	.035	.2150	74.0
5	.032	.1680	70.6
6	.028	.1387	69.6
7	.028	.1149	64.8
8	.025	.1000	64.0
9	.023	.0881	62.7
10	.020	.0800	64.0
11	.020	.0709	61.0
12	.018	.0653	60.8
14	.017	.0544	57.2
16	.016	.0465	55.4
18	.015	.0406	53.4
20	.014	.0360	51.8
22	.0135	.0320	49.6
24	.013	.0287	47.4
26	.011	.0275	51.1
28	.010	.0257	51.8
30	.0095	.0238	51.0
32	.0090	.0223	50.9
34	.0090	.0204	48.1
36	.0090	.0188	45.8
38	.0085	.0178	45.8
40	.0085	.0165	43.6
45	.0080	.0142	40.8
50	.0075	.0125	39.1
55	.0070	.0112	37.9
60	.0065	.0102	37.5

Market Grades

Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area
2	.063	.437	76.4
3	.054	.279	70.1
4	.0475	.2023	65.9
4	.063	.187	56.0
5	.041	.159	63.2
6	.0348	.1318	62.7
7	.035	.1080	57.2
8	.0286	.0964	60.2
10	.0258	.0742	56.3
11	.018	.0730	64.5
12	.023	.0603	51.8
14	.0204	.0510	51.0
16	.0181	.0445	50.7
18	.0173	.0386	48.3
20	.0162	.0340	46.2
24	.014	.0277	44.2
30	.0128	.0203	37.1
35	.0118	.0168	34.6
40	.0104	.0150	36.0
50	.0090	.0110	30.3
60	.0075	.0092	30.5
80	.0055	.0070	31.4
100	.0045	.0055	30.3
120	.0037	.0046	30.5
150	.0026	.0041	37.9
180	.0023	.0033	34.7
200	.0021	.0029	33.6
250	.0016	.0024	36.0
270	.0016	.0021	32.2
325	.0014	.0017	30.5
400	.0010	.0015	36.0
500	.0010	.0010	25.0

Tensile Bolting Cloth

Mesh	Wire Diameter Inches	Mesh Opening Inches	% Open Area
14	.0090	.0620	76.4
16	.0090	.0535	73.3
18	.0090	.0466	70.2
20	.0090	.0410	67.2
22	.0075	.0380	69.7
24	.0075	.0342	67.2
26	.0075	.0310	64.8
28	.0075	.0282	62.4
30	.0065	.0268	64.8
32	.0065	.0248	62.7
34	.0065	.0229	60.7
36	.0065	.0213	58.7
38	.0065	.0198	56.7
40	.0065	.0185	54.8
42	.0055	.0183	59.1
44	.0055	.0172	57.4
46	.0055	.0162	55.8
48	.0055	.0153	54.2
50	.0055	.0145	52.6
52	.0055	.0137	51.0
54	.0055	.0130	49.4
58	.0045	.0127	54.6
60	.0045	.0122	53.3
62	.0045	.0116	51.7
64	.0045	.0111	50.7
70	.0037	.0106	54.9
72	.0037	.0102	53.8
74	.0037	.0098	52.7
76	.0037	.0095	51.7
78	.0037	.0091	50.6
80	.0037	.0088	49.6
84	.0035	.0084	49.8
88	.0035	.0079	47.9
90	.0035	.0076	47.8
94	.0035	.0071	45.0
105	.0030	.0065	46.9
120	.0026	.0058	47.3
145	.0022	.0047	46.4
165	.0019	.0042	47.1
200	.0016	.0034	46.2
230	.0014	.0029	46.0
300	.0012	.0022	42.0

Use the above chart to find the U.S. Standard sieve number and opening that is utilized in your screening operation. After you have found the opening size required, select the closest available mesh opening from the market grades, mill grades and tensile bolting cloths listed on the wire cloth specification chart. If you are looking to increase product throughput, try a tensile bolting cloth, they offer the highest percentage of open area.

Experienced Customer Service Staff

Backed by extensive product knowledge, our customer service staff makes it easy for you to call us about your order or application questions. They listen to your needs and have the resources to assist in your project resolution.

Fast, On-Time Delivery

Computerized order entry, production scheduling and inventory management provide quick service on standards and specials.

For More Information Call, Fax or E-mail Us



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