



# Low Profile Separator



*"The Sizing People"®*

# Bag Dumping Station



# Low-Profile Separator

The Low-Profile Separator features a flow-thru design that's effective for high capacity screening of dry or wet materials. The compact design allows the unit to be easily incorporated into existing product lines or placed in "tight-fit" installations.



**A<sup>3</sup>**

The two vibratory motors are positioned 180-degrees apart on external, adjustable side motor mounts maximizing space and screening efficiency. The adjustable motor mounts enable strategic motor positioning, providing the best possible throughput and oversize discharge for a variety of screening applications.

Low-Profile Separators can easily accommodate high temperature scalping applications due to the external motor placement. It is also available in many finishes suitable for food, pharmaceutical, dairy, and many more scalping processes (3A approved).

- Compact size fits confined spaces.
- Features a high capacity flow-thru design.
- Capable of screening dry or wet materials.
- Available in 24-inch, 30-inch, and 48-inch units.



The Low-Profile Separator is available in T-304, T-316 stainless steel, and carbon steel construction.

## Low-Profile Accessories



**Separator Riser**



**Ball Tray Assembly**



**Dust Prevention Cover**

# Bag-Dumping Station

Crafted to meet your bulk processing needs, the Bag-Dumping Station is designed to easily scalp oversized contaminants from manually dumped bulk materials before entering the processing line. The unit can also be constructed to food, pharmaceutical, and other industry standards.

The Bag-Dumping Station quickly and efficiently screens bagged materials for lumps and foreign matter before they enter the manufacturing process. The self-contained screening station includes a Low-Profile Separator, hood with vent, heavy-duty support screen, and stand.

Upon pouring the contents of a bag onto the screening surface, the material flows directly through the bag-support scalping screen and into the Low-Profile Separator below. The separator then screens the material and removes lumps and foreign matter. The extended work area of the bag support deck allows bags to be easily opened and emptied.

The Bag-Dumping Station also helps to reduce costly spillage and cleaning along with reduced material handling and exposure to dust particles.

- Can be manufactured to meet various industry standards.
- Can reduce costly spillage and airborne particles.
- Screens and parts can easily be replaced.



The Bag-Dumping Station is available in T-304, T-316 stainless steel, and carbon steel construction. A hinged door can also be added to help contain dust.



## Making an Informed Decision

Midwestern Industries believes that our testing facility is the best tool for our customers to make informed decisions about their screening process. The simple act of sending in material can save you time and money by purchasing the right equipment the first time.



# MIDWESTERN'S WIRE MESH COMPARISON CHART

Approx. Microns	MM	US Sieve	OPG.	Tyler Eqiv.	Tensil Bolting Cloth				Mill Grade				Market Grade				
					Mesh	OPG.	Wire	% OA	Mesh	OPG.	Wire	% OA	Mesh	OPG.	Wire	% OA	
25000	25.0	1"	1.00														
19000	19.0	3/4"	.750														
16000	16.0	5/8"	.625														
14288	14.3	9/16"	.562														
12500	12.5	1/2"	.500														
11200	11.2	7/16"	.438						2	.446	.054	79.6	2	.437	.063	76.4	
9500	9.5	3/8"	.375														
8000	8.0	5/16"	.312														
6300	6.3	1/4"	.250						3	.292	.041	76.7	3	.279	.054	70.1	
5600	5.6	3/5	.223	3.5					4	.215	.035	74.0	4	.2023	.0475	65.9	
4750	4.75	4	.187	4									4	.187	.063	56.0	
4000	4.0	5	.157	5					5	.168	.032	70.6	5	.159	.041	63.2	
3350	3.35	6	.132	6					6	.139	.028	69.6	6	.132	.0348	62.7	
2800	2.80	7	.110	7					7	.115	.028	64.8	7	.108	.035	57.2	
2360	2.36	8	.0937	8					8	.100	.025	64.0	8	.0964	.0286	60.2	
2000	2.0	10	.0787	9					9	.088	.023	62.7	10	.0742	.0258	56.3	
1854	1.85								10	.080	.020	64.0	11	.073	.018	64.5	
1700	1.7	12	.0661	10	14	.062	.009	76.4	12	.065	.018	60.8	12	.0603	.023	51.8	
1400	1.4	14	.0555	12	16	.0535	.009	73.3	14	.054	.017	57.2	14	.051	.0204	51.0	
1180	1.18	16	.0469	14	18	.0466	.009	70.2	16	.0465	.016	55.4	16	.0445	.0181	50.7	
1041	1.04				20	.0410	.009	67.2									
1000	1.0	18	.0394	16	22	.0380	.0075	69.7	18	.0406	.015	53.4	18	.0386	.0173	48.3	
850	.85	20	.0331	20	24	.0342	.0075	69.2	20	.0360	.014	51.8	20	.034	.0162	46.2	
787	.787				26	.0310	.0075	64.8	22	.0320	.0135	49.6					
710	.71	25	.0278	24	28	.0282	.0075	62.4	24	.0287	.013	47.4	24	.0277	.014	44.2	
681	.681				30	.0268	.0065	64.8	26	.0275	.011	51.1					
630	.63				32	.0248	.0065	62.7	28	.0257	.010	51.8					
600	.60	30	.0234	28	34	.0229	.0065	60.7	30	.0238	.0095	51.0					
541	.541				36	.0213	.0065	58.7	32	.0223	.009	50.9					
500	.50	35	.0197	32	38	.0198	.0065	56.7	34	.0204	.009	48.1	30	.0203	.0128	37.1	
470	.47				40	.0185	.0065	54.8	36	.0188	.009	45.8					
465	.465				42	.0183	.0055	59.1	38	.0178	.0085	45.8					
437	.437				44	.0172	.0055	57.4					35	.0176	.0118	37.9	
425	.425	40	.0165	35	46	.0162	.0055	55.8	40	.0165	.0085	43.6					
389	.389				48	.0153	.0055	54.2					40	.0150	.0104	36.0	
368	.368				50	.0145	.0055	52.6									
355	.355	45	.0139	42	52	.0137	.0055	51.0	45	.0142	.008	40.8					
330	.33				54	.0130	.0055	49.4									
323	.323				58	.0127	.0045	54.6									
310	.31				60	.0122	.0045	53.3	50	.0125	.0075	39.1					
300	.30	50	.0117	48	62	.0116	.0045	51.7	55	.0112	.007	37.9					
282	.282				64	.0111	.0045	50.7					50	.0110	.0090	30.3	
270	.27				70	.0106	.0037	54.9									
260	.26				72	.0102	.0037	53.8									
250	.25	60	.0098	60	74	.0098	.0037	52.7	60	.0102	.0065	37.5					
241	.241				76	.0095	.0037	51.7									
231	.231				78	.0091	.0037	50.6					60	.0092	.0075	30.5	
224	.224				80	.0088	.0037	49.6									
212	.212	70	.0083	65	84	.0084	.0035	49.8									
200	.20				88	.0079	.0035	47.9									
193	.193				90	.0076	.0035	47.8									
180	.18	80	.0070	80	94	.0071	.0035	45.0					80	.0070	.0055	31.4	
165	.165				105	.0065	.0030	46.9									
150	.15	100	.0059	100	120	.0058	.0025	47.3					100	.0055	.0045	30.3	
125	.125	120	.0049	115	145	.0047	.0022	46.4					120	.0046	.0037	30.5	
106	.106	140	.0041	150	165	.0042	.0019	47.1					150	.0041	.0026	37.9	
90	.090	170	.0035	170	200	.0034	.0016	46.2					180	.0033	.0023	34.7	
75	.075	200	.0029	200	230	.0029	.0014	46.0					200	.0029	.0021	33.6	
63	.063	230	.0025	250									250	.0024	.0016	36.0	
53	.053	270	.0021	270	300	.0021	.0012	40.5					270	.0021	.0016	32.2	
45	.045	325	.0017	325									325	.0017	.0014	30.5	
38	.038	400	.0015	400									400	.0015	.0010	36.0	
25	.025	500	.0010										500	.0010	.0010	25.0	
20	.020	635	.0008										635	.0008	.0008	25.0	

TOLL FREE **877-4-SIZING** (877-474-9464)

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**MIDWESTERN INDUSTRIES, INC.**

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