



# WHITLOCK-MATERIAL HANDLING

## 500, 1000, AND 2000 SERIES PNEUMATIC CONVEYORS

AEC Pneumatic Conveyors are available as free-standing machine side loaders, granulator unloaders (1050 Series) and horizontal pick-up conveyors. The 500 Series is designed to convey 300 to 500 lbs. (136-227 kg) per hour over short distances. The 1000 Series is recommended for larger material particle sizes and conveying rates up to 1000 lbs. (455 kg) per hour. The 2000 Series will convey up to 1900 lbs. (864 kg) per hour. Some models feature automatic conveying controls which monitor material supply. If material is needed, the unit conveys until the machine hopper is full.



Model 500



Model 506

### Pneumatic Conveyors

Performance proven AEC Pneumatic Conveyors have successfully automated thousands of machine side loading and grinder unloading operations. They offer processors unusual operating economy and low initial equipment cost for moving free-flowing granular materials at rates up to 1900 lbs. (864 kg/hr) pounds per hour. Powered by compressed air, AEC Pneumatic Conveyors feature a perfected venturi design that uses plant air sparingly. The 500 Series, for example, uses only 7 CFM (198 ltr/m.) of compressed air.



Model 1000



Model 1006

### Stationary Pick-Up Tube

Models 500, 506, 1000, 1006, 2002, and 2006 are fitted with stationary vertical pick-up tubes. All pick-up tubes are held in place by a flexible grommet to speed container changes.



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### Horizontal Pick-Up Conveyors

Model 2000 and 2001 feature a horizontal material pick-up arrangement to remove virgin or regrind materials from the bottom of surge bins.



Model 1050



Model 1052



Model 2002

### Granulator Unloading

The AEC Series 1050 offers low cost granulator unloading of material with particle sizes up to 3/8" (9.5 mm). They include the manually operated Model 1050, and granulator interlocked Model 1052. These compact units provide a constant removal of granulate from collection bins on granulators and auger grinders.



Model 2006



Model 2000



Model 2001

### Filter Cone Attachment

An optional filter cone attachment is available for all AEC Pneumatics to help prevent "dusting" of granular materials.



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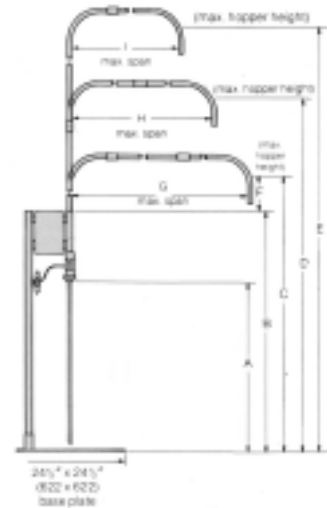
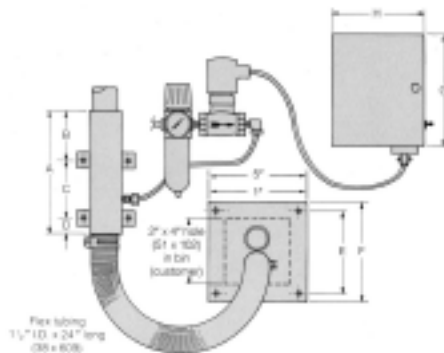




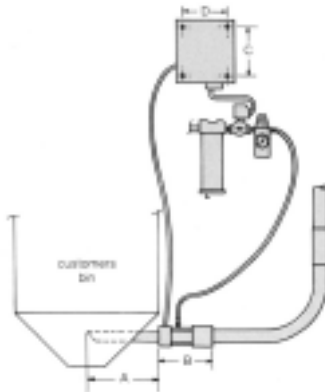
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GRANULATOR SERIES 1050 (mm)	
A	7 1/2" (190)
B	3" (76)
C	3 1/2" (89)
D	1" (25)
E	6" (152)
F	7" (178)
G	8 1/4" (210)
H	6 1/4" (159)
I	4" (102)
J	5" (127)



HORIZONTAL PICK-UP CONVEYORS (mm)	
A	48" (1219)
B	9" (229)
C	11" (279)
D	6 1/4" (159)



VERTICAL SERIES			
Series	500	1000	2000
A	47" (1194)	48 1/2" (1232)	49" (1245)
B	68" (1727)	72" (1829)	72" (1829)
C	8'-4" (1930)	9'-3" (2819)	9'-3" (2819)
D	10'-6" (3200)	11'-6" (3505)	11'-6" (3505)
E	14'-7" (4445)	14'-7" (4445)	14'-7" (4445)
F	8" (203)	8" (203)	8" (203)
G	10'-1" (3073)	12'-2" (3708)	12'-2" (3708)
H	8'-3" (2515)	9'-11" (3023)	9'-11" (3023)
I	5'-1" (1549)	6'-2" (1880)	6'-2" (1880)



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VERTICAL SERIES 500, 1000 AND 2000 GRANULATOR SERIES 1050 HORIZONTAL PICK-UP CONVEYORS													
Model	Type	Conv.* Capacity lbs./hr. (kg/hr)	Max.** Conv. Dist.	Max. Vertical Lift	Air Supply Line	CFM (m <sup>3</sup> /hr)	Supply PSI (Min.)	Mtl. Line O.D.	Mtl. Particle Size	Operation		Standard Voltage	Ship Wt. lbs. (kg)
										Manual	Auto.		
500	Vertical	300-500 (136-227)	100' (30m)	20' (6m)	3/8" (9.5mm)	7 (12)	80	1 1/8" (28.125mm)	1/4" (6mm)	X		-	100 (45)
506	Vertical	300-500 (136-227)	100' (30m)	20' (6m)	3/8" (9.5mm)	7 (12)	80	1 1/8" (28.125mm)	1/4" (6mm)		X	115/60/1 230/60/1	119 (54)
1000	Vertical	700-1000 (318-455)	125' (38m)	25' (8m)	3/8" (9.5mm)	10 (17)	90	1 1/2" (38mm)	5/16" (8mm)	X		-	104 (47)
1006	Vertical	700-1000 (318-455)	125' (38m)	25' (8m)	3/8" (9.5mm)	10 (17)	90	1 1/2" (38mm)	5/16" (8mm)		X	115/60/1 230/60/1	120 (55)
1050	Granulator	750 (341)	10-15' (3-5m)	20' (6m)	3/8" (9.5mm)	10 (17)	80	1 1/2" (38mm)	3/8" (9.5mm)	X		-	50 (23)
1052	Granulator	750 (341)	10-15' (3-5m)	25' (8m)	3/8" (9.5mm)	10 (17)	80	1 1/2" (38mm)	3/8" (9.5mm)		X	115/60/1 230/60/1	50 (23)
2000	Horizontal Pick-Up	1700-1900 (773-864)	150' (45m)	20' (6m)	1/2" (12.7mm)	35 (60)	90	2" (51mm)	3/8" (9.5mm)	X		-	80 (36)
2001	Horizontal Pick-Up	1700-1900 (773-864)	150' (45m)	25' (8m)	1/2" (12.7mm)	35 (60)	90	2" (51mm)	3/8" (9.5mm)		X	115/60/1 230/60/1	120 (55)
2002	Vertical	1700-1900 (773-864)	150' (45m)	30' (10m)	1/2" (12.7mm)	35 (60)	90	2" (51mm)	3/8" (9.5mm)	X		-	120 (55)
2006	Vertical	1700-1900 (773-864)	150' (45m)	30' (10m)	1/2" (12.7mm)	35 (60)	90	2" (51mm)	3/8" (9.5mm)		X	115/60/1 230/60/1	140 (63)

\* Conveying capacity is based on virgin polystyrene over 10' (3m) vertical and 10' (3m) horizontal distance. Material size and flow characteristics as well as greater distances will affect the rates listed above.

\*\* Distances vertically or horizontally longer than those noted will cause a drop in conveying capacity.



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