

Energy-Saving Hopper No Material Hang-up Points

Conair's EH Series resin drying hoppers save energy, time, and money in your drying process. With thick insulation and uniform heat distribution, these hoppers provide consistent quality with an efficient design. These stainless-steel EH hoppers are designed to promote even heat distribution and mass material flow to ensure adequate drying throughout the hopper. Available in a wide range of capacities from 1 to 70 ft³ (30-2000L), these hoppers feature:

- ▶ Stainless Steel contact points
- ▶ Extra thick insulation for efficiency and safety
- ▶ Consistent drying time and uniform heat distribution
- ▶ No seams or material hang up points
- ▶ Tough, scratch and dent resistant aluminum skin



Model EH 24-14

Stainless Steel Drying Hoppers - Capacities from 1-70 ft.³

Energy use matters – it's one of the highest cost plastics processors face outside of labor and resin. Conair's EH Series resin drying hoppers have thick insulation in the sides and cone, which prevents heat loss. Heat loss drives up energy costs and keeps the material along the outer walls of the hopper from attaining the required drying temperature.

These EH hoppers also feature steep cone angles (for mass flow) and polished stainless steel interiors with no seams or material hang-up points. That makes hopper clean-out a simple task.

Drying hoppers by some other suppliers have shallow cone angles and perforated spreaders. This causes problems with material flow, and equal drying throughout the hopper.

Most drying hoppers look generally the same – but they're not. Hopper design greatly influences the three fundamentals of drying – airflow, temperature, and time. When it comes time to choose a hopper that best handles the fundamentals, make every pellet count – choose Conair.

▶ Polished, stainless steel interior with no seams

Smooth, clean stainless not only looks impressive, it functions better. With no material-hang up points, resin flows easily through the hopper. This promotes better drying of all material throughout the hopper, and a much simpler process of cleanout.

▶ Energy-efficient

Many manufacturers talk the talk – saying their equipment is energy efficient. But the Conair EH hoppers walk the walk. As soon as you open the door, or look down into the hopper from the top, you can't help but notice the thickness of the walls. More insulation means less chance for heat loss through the side-walls. Less heat loss means faster drying times, more equal drying throughout the hopper, and less energy used.

▶ A better drying system

A drying system requires a quality resin dryer. But a system is only as powerful as the drying hopper that resin dryer is connected to. These EH hoppers add into the Conair line for the next generation of resin drying.

▶ Multiple ways to mount and integrate into your systems

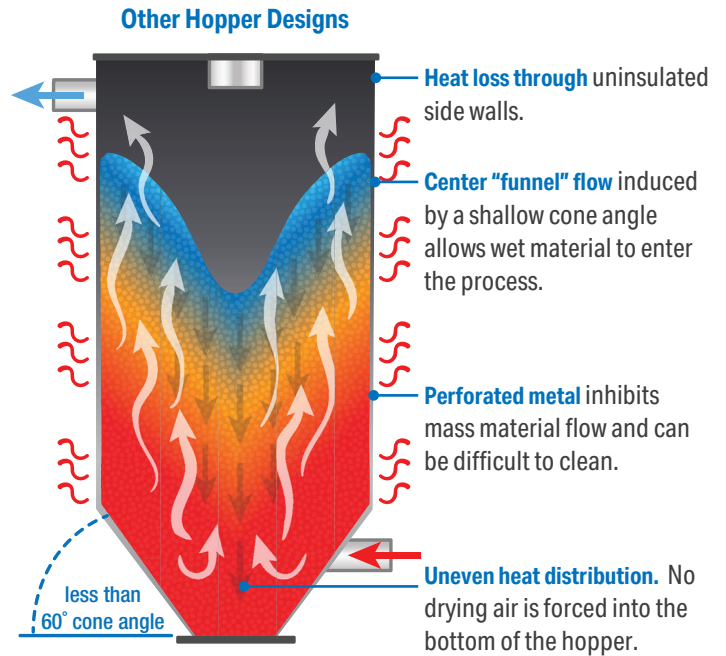
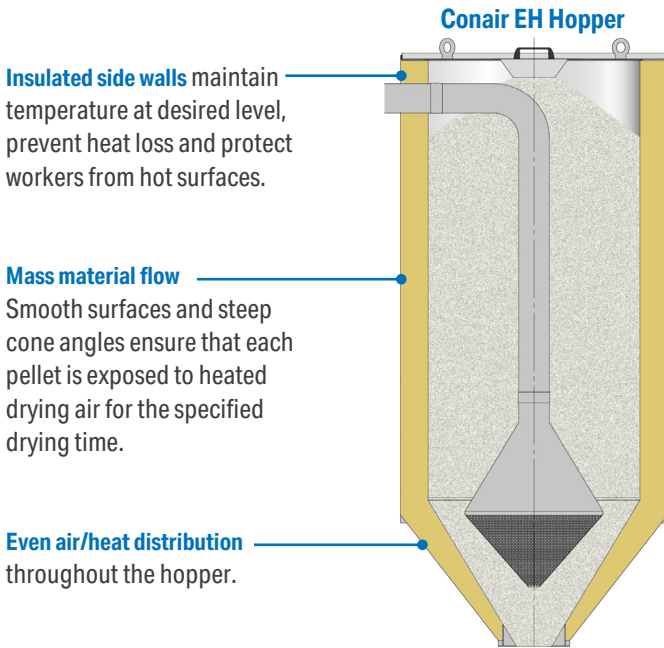
These hoppers can be placed where and how you need them. Good as new equipment expansions or to replace older worn out hoppers, these vessels allow for body mounting, flange mounting, integrated stands with pockets, or elevated systems for filling or draining into gaylords below.



Features and Options

Select the right hopper for your application

Hopper design can determine whether your material is dry when it enters the process, as well as how easy the hopper is to clean between material changes.



Options and Accessories

All Models

Floor Stand

Stands can be bolted to the floor or fitted with casters. Stands designed to fit over a gaylord are available.



Hopper Loaders

Conair vacuum loaders and receivers mount easily to the top of the hopper. Select from a wide range of capacities to accommodate your throughput.



Distribution Boxes

Mount beneath the hopper to convey the dried material to the processing machine.

	Small hoppers (EH 12-19)	Medium hoppers (EH24-47)
Feature		
MedLine®	○	○
Stainless steel contact points	●	●
Precision manual slide gate	●	●
Drain port	○	○
Floor stand	○	○
Gaylord-fill floor stand	○	○

● Standard ○ Option



Specifications

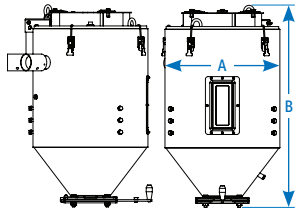


Figure 1

EH 12-1
NOTE: Includes hinge lid access. Slide gate.

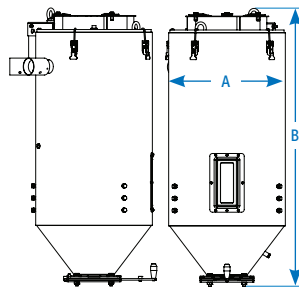


Figure 2

EH 12-1.5
NOTE: Includes hinge lid access. Slide gate.

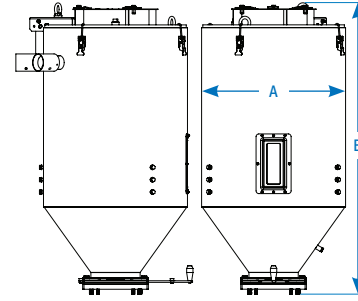


Figure 3

EH 16-2.5
NOTE: Includes Hinge lid access. Slide gate.

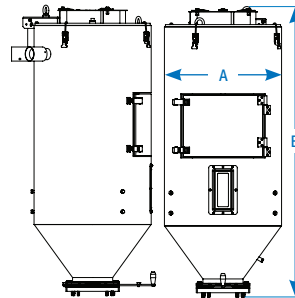


Figure 4

EH 16-3.5
NOTE: Includes hinge lid access. Body door. Slide gate.

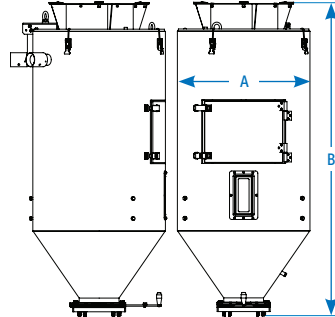


Figure 5

EH 19-5
NOTE: Includes body door and hinge lid access. Slide gate.

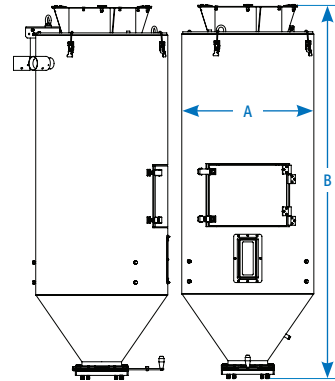


Figure 6

EH 19-7
NOTE: Includes body door and hinge lid access. Slide gate.

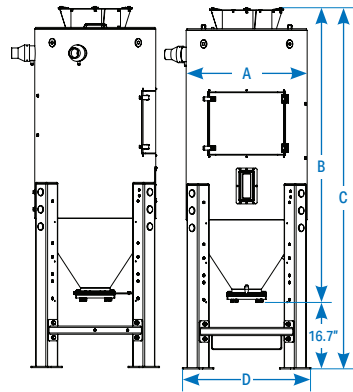


Figure 7

EH 24-11
NOTE: Includes body door access. Slide gate.

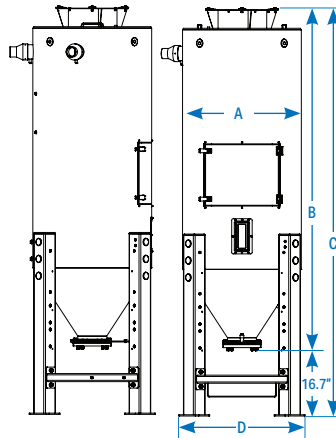


Figure 8

EH 24-14
NOTE: Includes body door access. Slide gate.

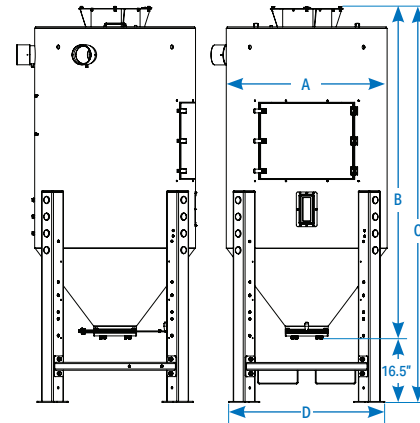


Figure 9

EH 31-21
NOTE: Includes body door access. Slide gate.

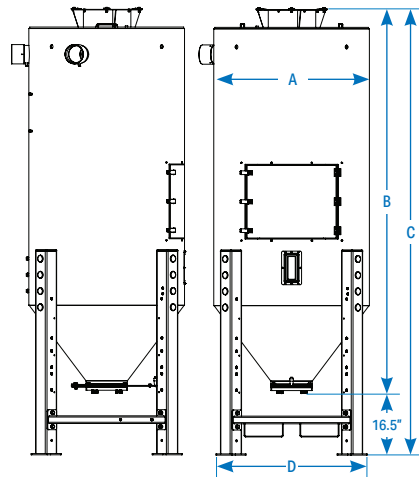


Figure 10

EH 31-28
NOTE: Includes body door access. Slide gate.

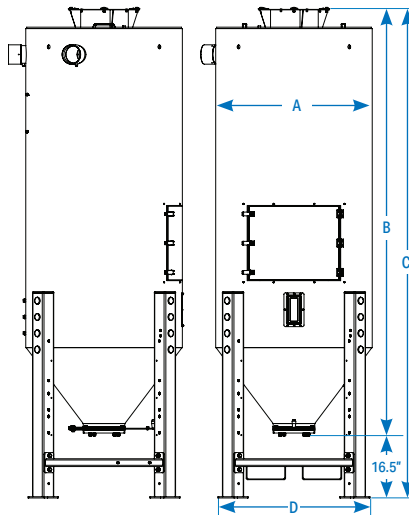


Figure 11

EH 31-35
NOTE: Includes body door access. Slide gate.

Specification Notes

- No body door on sizes 12-1 through 16-2.5.
- Stands sold separately on sizes 24-11 through 45-70.

Specifications may change without notice. Consult a Conair representative for the most current information.



Specifications

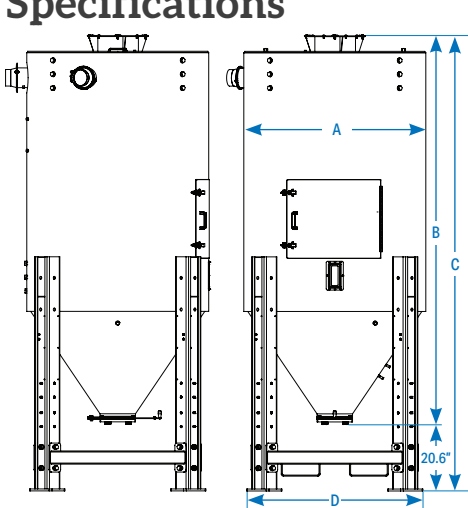


Figure 12

EH 45-53
NOTE:
Includes body door access.
Slide gate.

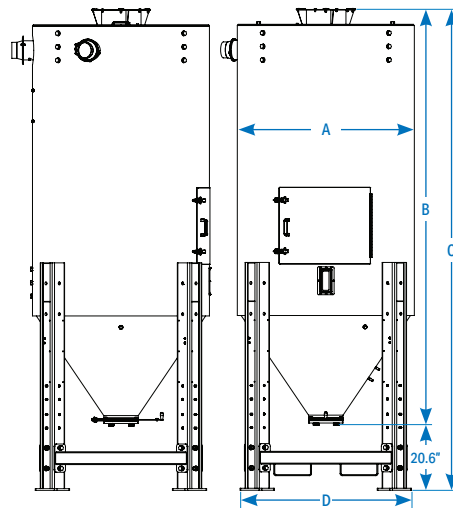


Figure 13

EH 45-70
NOTE:
Includes body door access.
Slide gate.

Key	Top for hopper loaders (refer to loader specs for more info)	Bottom at discharge
← Air inlet/outlet	 IT06 3 equally spaced mounting clips on a 10.5 in. {267 mm} diameter bolt circle	 IT07 4 equally spaced mounting clips on a 16.375 in. {416 mm} diameter bolt circle
		IB02 5 x 5 in. {127 x 127 mm} bolt pattern; 4 bolt holes, 7/16 in. {11 mm}
		IB03 7 x 7 in. {178 x 178 mm} bolt pattern; 4 bolt holes, 9/16 in. {14 mm}
		IB09 16 bolt holes, 7/16 in. {11 mm}, on a 16.25 in. {413 mm} square plate requires adapter.

Model	EH12-1	EH12-1.5	EH16-2.5	EH16-3.5	EH19-5	EH19-7	EH24-11	EH24-14
Figure Number	Figure 1		Figure 2		Figure 3		Figure 4	
Performance characteristics								
Capacity ft ³ {liter}	1 {30}	1.8 {50}	2.6 {75}	3.5 {100}	5.3 {150}	7.1 {200}	10.6 {300}	14.1 {400}
Capacity @ 35 lb/ft ³ lbs	30	63	91	126	186	249	371	494
Dimensions inches {cm}								
A - Inside diameter	12.1 {30.7}		15.7 {39.9}		18.7 {47.5}		24.2 {61.5}	
B - Hopper height†	28.3 {71.9}	38.9 {98.8}	40.3 {102.4}	49.4 {125.5}	54.5 {138.4}	65.4 {166.1}	69.3 {176}	82.4 {209.3}
C - Height with stand*†	57.3 {145.5}	67.9 {172.5}	69.3 {176}	78.4 {199.1}	83.5 {212.1}	94.4 {239.8}	86 {218.4}	99.1 {251.7}
D - Footprint w/stand in {cm} sq.	31 {78.7}						31 {78.7}	
Inlet size (OD)					2.5 {6.4}			
Outlet size (OD)					2.5 {6.4}			
Material discharge (ID)	2.5 {6.4}						3 {7.6}	
Weight lb {kg}								
Installed weight (hopper only)	65 {29.5}	75 {34}	105 {47.6}	125 {56.7}	140 {63.5}	150 {68}	225 {102.1}	240 {108.9}
Mounting interfaces								
Hopper loader (top)	IT06				IT07			
Material discharge (bottom)	IB02				IB02/IB03			

Model	EH31-21	EH31-28	EH31-35	EH45-53	EH45-70
Figure Number	Figure 5			Figure 6	
Performance characteristics					
Capacity ft ³ {liter}	21.2 {600}	28.3 {800}	35.3 {1000}	53 {1500}	70.6 {2000}
Capacity @ 35 lb/ft ³ lbs	742 {336.6}	990.5 {449.3}	1235.5 {560.4}	1855 {841.4}	2471 {1120.8}
Dimensions inches {cm}					
A - Inside diameter	31.1 {79}			45.3 {115}	
B - Hopper height†	81 {205.7}	97.3 {247.1}	107.6 {273.3}	115.1 {292.4}	126.9 {322.3}
C - Height with stand*†	97.5 {247.7}	113.8 {289.1}	124.1 {315.2}	135.7 {344.7}	147.5 {375.7}
D - Footprint w/stand in {cm} sq.	38.1 {96.8}			51.8 {131.6}	
Inlet size (OD)				5 {12.7}	
Outlet size (OD)				5 {12.7}	
Material discharge (ID)	3.5 {8.9}				
Weight lb {kg}					
Installed weight (hopper only)	295 {133.8}	325 {147.4}	340 {154.2}	802 {363.8}	840 {381}
Mounting interfaces					
Hopper loader (top)	IT07				
Material discharge (bottom)	IB02/IB03				

Specification Notes

† Gaylord fill stand adds approximately 60 inches {152 cm} to the overall height and clearance below hopper in sizes 19-7 and smaller. It adds 64 inches {163 cm} to 24-11 through 31-35 models. It adds 58 inches {147 cm} to 45-53 and 45-70. It increases stand width and depth to 62x44 respectively for EH24, 62x50 for EH31, and 65x65 for EH45 models.

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