Efficient Drying with

Minimum Downtime

CH series drying hoppers save you time, energy and money by delivering consistent, efficient drying and fast, easy clean outs.

Conair hoppers are designed to promote even heat distribution and mass material flow to ensure adequate drying throughout the hopper. Large access doors and smooth interior surfaces keep downtime for material changes to a minimum.

We offer a wide range of hopper sizes, with capacities from 70 to 487 ft 3 {1.98 to 13.79 m 3 }.



Model CH10-1

Improve Product Quality, Lower Operating Costs

All hoppers may look the same, but they're not. Hopper design can influence three critical parameters that affect overall drying performance: airflow, drying temperature and drying time.

The shallow cone angles and perforated material spreaders found in some hopper designs can cause surface friction that holds dry material in the hopper while wet material flows into the process.

Conair hoppers have steep cone angles and smooth interior surfaces that promote mass material flow. This ensures that all material has dried at the same rate before it leaves the hopper.

Our insulated side walls prevent the heat loss that can drive up energy costs and keep material along the outer walls of the hopper from attaining the required drying temperature.

Quick-clean design

Large hinged doors, smooth walls and removable spreader cones make cleaning fast and easy.

▶ Consistent drying time

Don't let your material leave the drying hopper before its time. Conair's air inlet design, smooth material/air spreaders and steep cone angles promote uniform mass material flow. This means material at every level has been exposed to drying air for the same amount of time before leaving the hopper.

Uniform air/heat distribution

Conair hoppers introduce heated drying air low in the cone of the hopper, ensuring that material at all levels in the hopper will be dry when you're ready to process it.

Prevents energy loss

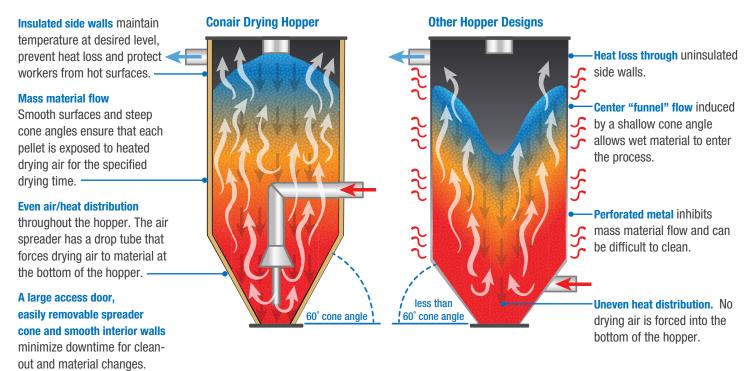
Insulated side walls prevent the heat loss that occurs with uninsulated hoppers. This means consistent temperature levels throughout the hopper, better overall drying performance, and energy savings for you.



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.



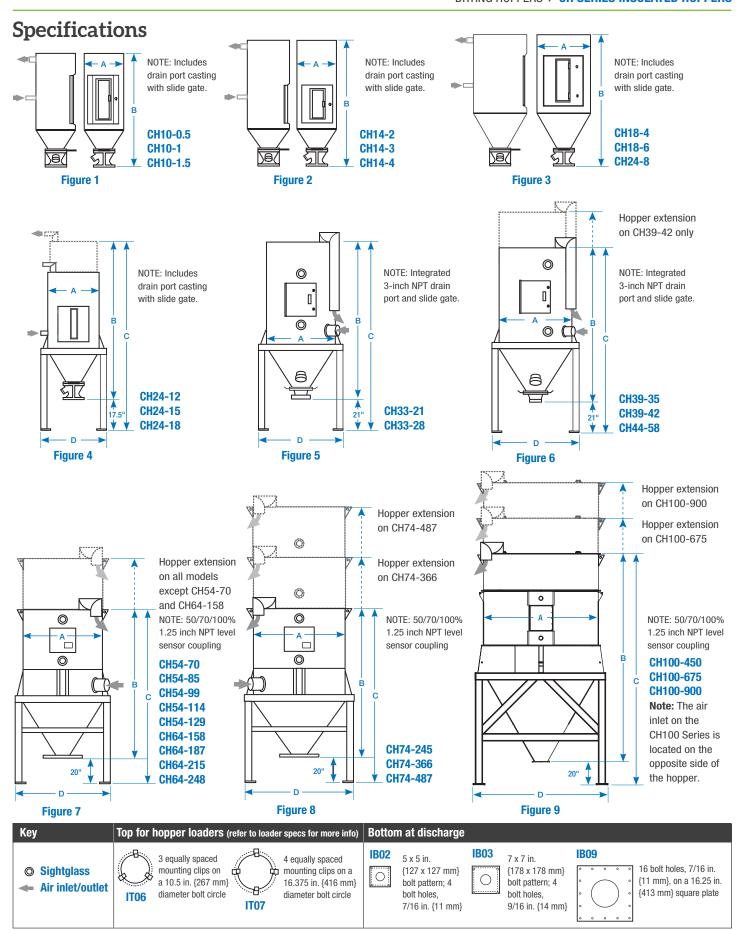
Distribution Boxes

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

	Small hoppers (CH10-24)	Medium hoppers (CH33-44)	Large hoppers (CH54-100)
Feature			
MedLine®	0	0	
Stainless steel contact points	0	0	0
Passivation treatment	0	0	0
Thermometer for inlet or outlet	0		
Manual slide gate	•	•	•
Precision manual slide gate	0		
Drain port	•	•	0
Strip sight glass	•	0	
Material level sensor bracket	0	0	0
Floor stand	0	0	0
Gaylord-fill floor stand	0	0	0
Floor stand casters	0		
Cyclone on hopper outlet			0
Ladder and handrail			0
Special paint	0	0	0
50/70/100% 1.25-inch NPT level sensor coupling			•









Specifications

Model	CH10-0.5	CH10-1	CH10-1.5	CH14-2	CH14-	-3	CH14-4	CH18	-4 CH18-	6 CH24-8	CH24-12	CH24-15
Figure Number		Figure 1			Figure	2			Figure	3	Fig	ure 4
Performance characteristics					3				3			
Capacity ft ³ {liter}	0.5 {14}	1.0 {28}	1.5 {42}	2 {57}	3 {85]	}	4 {1	13}	6 {170	8 {227}	12 {340}	15 {425}
Capacity @ 35 lb/ft³ lbs	18	35	53	70	105		-	40	210	280	420	525
Dimensions inches (cm)												
A - Inside diameter		10 {25}			14 {36	5}			18 {46}		24 {61}	
B - Hopper height [†]	25 {64}	39 {99}	50 {127}	41 {104}	52 {13		58 {147}	44 {11		3} 60 {152		91.5 {232}
C - Height with stand* [†]	54 {137}	68 {173}	79 {201}	70 {178}	81 {20		87 {221}	73 {18				105.5 {168
D - Footprint w/stand in {cm} sq.	. ()	,	(,	()	31 {7		()		· , · · · (= ·	.,		{86}
Inlet size (OD)		1.75 {4.4}			2 {5.1					2.5 {6.4		[OO]
Outlet size (OD)		2 {5.1}			2.5 {6.4					3 {7.6}		
Material discharge (ID)		,		2 {	5.1}	,					2.5 {6.4}	
Weight Ib {kg}				,								
Installed weight (hopper only)	40 {18}	50 {23}	70 {32}	80 {36}	95 {43	3}	110 {50}	145 {6	66} 170 {7	7} 210 {95	230 {104}	240 (109)
Mounting interfaces												
Hopper loader (top)			IT	06						IT07		
Material discharge (bottom)							IB02					
Model	CH24-18	CH33-21	CH33-28	CH39-35	CH39-4	12 (CH44-58	CH54-	70 CH54-8	35 CH54-99	CH54-114	CH54-129
Figure Number	Figure 4	Figu		01100 00	Figure			OHO!	70 01101	Figure 7		01101 120
Performance characteristics	riguit 4	rigu	10 0		riguio					riguit		
Capacity ft ³ {liter}	18 {509}	21 {595}	28 {793}	35 {991}	42 {118	or E	58 {1643}	70 {19	82} 85 {240	07} 99 {2804	} 114 {3228]	129 {3653
Capacity @ 35 lb/ft ³ lbs	630	735	980	1225	1470		2030	2450			3990	4515
Dimensions inches (cm)	030	733	300	1223	1470		2030	2430	2913	3403	3990	4313
A - Inside diameter	24 {61}	33 {	841	30	{99}		44 {112}			54 {137	<u> </u>	
B - Hopper height [†]	105.5 {268}	88 {224}	102 {259}	103 {262}	113 {28		123 {312}	103 {20	62} 121 {30			151 {384}
C - Height with stand* [†]	119.5 {304}		123 {312}					123 {3				
D - Footprint w/stand in {cm} sq.	34 (87)	109 {277} 43 {		124 {315}	134 {34 [125]		144 {366} 54 {137}	123 (3	12} 141 {35	66 {168		171 {434}
Inlet size (OD)		40 (109}		120}		34 (137)					
Outlet size (OD)	2.5 {6.4} 5 {12.7}						5 {12.7} or 8 {20.3}					
Material discharge (ID)	3 {7.6} 5 {12.7} 2.5 {6.4} 3 {7.6}						5 {12.7} or 8 {20.3} 6 {15.2}					
Weight Ib {kg}	2.0 (0.4)			3 (1.0)						0 (10.2)		
Installed weight (hopper only)	250 {113}	450 {204}	700 {318}	800 {363}	900 {40	183 0	950 {431}	1100 {4	199} 1250 {5	67} 1450 (65	8} 1550 {703	1650 {748
Mounting interfaces	200 [110]	100 (201)	100 [010]	000 [000]	000 [10	,0) 0	700 [101]	1100[1	1200 (0	01) 1100 (00	0) 1000 (100	1000 (110
Hopper loader (top)							IT07					
Material discharge (bottom)	IB02			IB03						IB09		
Model	CH64-158	CH64-187	CH64-21		248 C	H74-24	45 CH7	4-366	CH74-487	CH100-450	CH100-675	CH100-900
Figure Number	0110-7-100	Figure 7				Figure 8			0117 407	011100 400	Figure 9	011100 300
Performance characteristics		<u> </u>	yure 1				Fig	uie o			Figure 9	
Capacity ft ³ {liter}	158 {4475}	187 {5296	} 215 {608	9} 248 {70	1221 24	15 {693	286 (10365}	487 {13792}	450 {12743}	675 {19114}	900 {25485
Capacity @ 35 lb/ft ³ lbs	5530	6545	7525	868	-	8575		810	17045	15750	23625	31500
Dimensions inches (cm)	3330	0343	1323	0000	0	0373	12	.010	17040	13730	23023	31300
A - Inside diameter		6	4 {163}				74	[188]			100 {254}	
B - Hopper height [†]	145 {368}	159 (434)		5} 194 {4	031 1 ⁻	73 {43		{561}	268 (681)	186 {472}	234 {594}	283 {719}
C - Height with stand*†	165 (419)	179 (488)			-	93 {49			288 {732}	206 {523}	254 (645)	303 (770)
D - Footprint w/stand in {cm} sq.	100 (+10)			95} 214 {544}		יטדן טט		i {218}		200 (020)	120 {305}	303 (110)
Inlet size (OD)	76 {193} 8 {20.3}					12 {30.5}				12 {30.5}		
Outlet size (OD)		8 {20.3}				12 (30.5)				12 {30.5}		
Material discharge (ID)			{15.2}					20.3}			12 {30.3}	
Weight Ib {kg}			(10.2)					-0.0j			. 1.070 [00.2]	
Installed weight (hopper only)	1850 {839}	2050 {930	} 2150 {97	5} 2250 {1	021} 32	30 {14	65} 3830	{1737}	5030 {2282}	9750 {4423}	10800 {4899}	11850 (537
Mounting interfaces	.000 [000]		, =.00 (01	-, (1	, 02	(11	- 5, 0000	(- >00 (LLOL)	2.00 [1120]	. 3000 [1000]	
Hopper loader (top)							IT07					
- I- I / - / / / / / / / / / / / -	IB09											

Specification Notes

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



^{*} Add 5 inches {12.7 cm} to the height, if you order optional casters.

[†] Gaylord fill stand adds approximately 60 inches {152 cm} to the overall height and clearance below hopper in sizes 24-8 and smaller. It adds 50 inches {127 mm} to 24-12 and larger models. It also adds 50 lbs {23 kg} to the weight. It increases stand width and depth to 62x44 respectively for CH24 and CH33 models, and 62x50 for CH39 models.