

SURGE BINS: 60-DEGREE CONE SLOPE

Standard Build Details

- 60-degree Hopper Cone Slope
- 14-gauge Carbon Steel Hopper Construction
- Cover with Access Hatch and Pre-drilled Mount for Vacuum Receiver
- 16.25-inch OD by 12.00-inch ID Square, Carbon Steel Discharge Flange
- NBE Graphite Gray Epoxy Exterior Finish
- Continuous-weld Seams on Hopper Cone Exterior and Straight Wall Interior
- Sidewall Stiffener Ribs (Model 32-460 and larger)
- High- and Low-level Sensor Ports
- High- and Low-level View Windows
- Pre-drilled Mount for Drop Tube
- 48.00-inch (minimum) Clearance Between Legs for Locating Container for Filling
- Lifting Lugs and Bolt-down Foot Pads



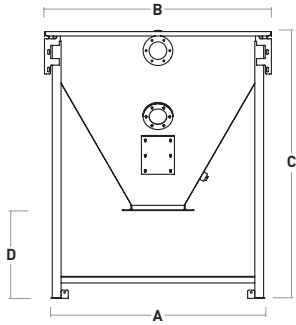
Optional Features

STAINLESS STEEL MATERIALS OF CONSTRUCTION	<ul style="list-style-type: none"> • 304 Stainless Steel • 316 Stainless Steel
INTERIOR EPOXY COATINGS	<ul style="list-style-type: none"> • NBE Graphite Gray Epoxy • Clear Epoxy
TOP COVER CONFIGURATIONS	<ul style="list-style-type: none"> • Reinforced Cover; Multiple Frame Designs to Support Loads up to 5,500 Pounds • Air Filter in Access Hatch • 1/3-2/3 Hinged Top Cover • Open Top • Flared Top Edge on Three Sides of Hopper Top • Steel-bar Grate Insert: 6.00-inch by 4.00-inch Openings • Perimeter Guardrail and Fixed Access Ladder
PROCESS MATERIAL HANDLING	<ul style="list-style-type: none"> • 12.00-inch Maintenance Slide Gate: Manual Operation • 12.00-inch Rack-and-Pinion Slide Gate: Manual Operation • 1-, 2-, 3-, 4-, 9-, or 13-hole Vacuum Line Probe Box • 1.50-, 2.00-, 2.50-, 3.00-, or 4.00-inch Vacuum Probes • Integrated Material Agitator • 4.00-inch Drop Tube: Standard or Extended Length • Drop Tube Manual Flow Control: Slide Gate or Butterfly Valve • Rotary Level Indicators • Rotary Level Indicator Readout and Control Panel • Leg Height Extensions: 40.00-inch or 60.00-inch

Custom Features

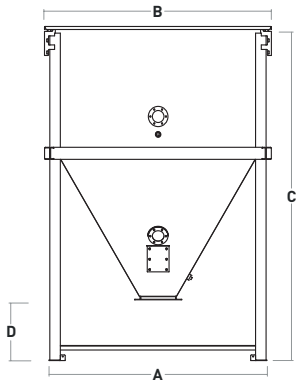
FABRICATION & FINISHES	<ul style="list-style-type: none"> • Non-standard Bin, Leg, and Drop Tube Dimensions • Heavier-gauge Materials of Construction • Continuous-weld Seams on Interior and Exterior • Special Exterior Paint Finish Colors • Special Interior Coatings
TOP COVER CONFIGURATIONS	<ul style="list-style-type: none"> • Application-specific Inlets, Vents, and Access Openings • Reinforced Cover-mounting Frame Designs to Support Weights in Excess of 5,500 Pounds
PROCESS MATERIAL HANDLING	<ul style="list-style-type: none"> • Access Platform and Guardrail Configurations • Ribbon or Plow-type Agitators • Discharge Flange Dimensions and Patterns • Discharge Gate Type and Size • Grate Insert Style and Openings Sizes • Magnet Types and Sizes • View Window Types, Sizes, and Locations • Material Level Sensor Styles and Locations • Weigh Scale System • Vacuum Line Probe Styles and Probe Box Sizes

60-Degree Surge Bin Standard Capacities & Dimensions



60-Degree Hopper Cone Slope: From 12 to 102 Cubic Feet, Usable Volume

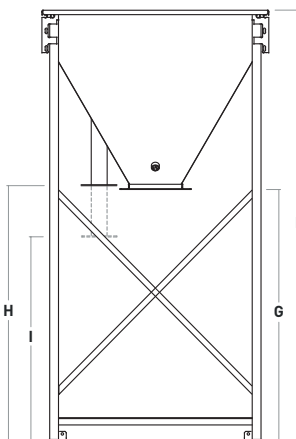
TOTAL AIR VOLUME (CU FT)	USABLE VOLUME (LBS) ¹	USABLE VOLUME (CU FT) ¹	A: BASE DIMENSION (IN) ²	B: TOTAL WIDTH (IN) ²	C: TOP HEIGHT (IN) ²	D: FLANGE TO FLOOR HEIGHT ²	MODEL NO.
28	420	12	48 x 48	51.50	60.50	20.00	32-160-48
57	1,260	36	48 x 48	51.50	82.50	20.00	32-260-48
37	525	15	54 x 54	57.50	64.25	20.00	32-160-54
58	1,015	29	54 x 54	57.50	77.25	20.00	32-260-54
86	1,575	45	60 x 60	63.50	87.75	20.00	32-360-60
115	2,520	72	60 x 60	63.50	101.75	20.00	32-460-60
145	3,570	102	60 x 60	63.50	116.75	20.00	32-560-60



60-Degree Hopper Cone Slope: From 97 to 449 Cubic Feet, Usable Volume

TOTAL AIR VOLUME (CU FT)	USABLE VOLUME (LBS) ¹	USABLE VOLUME (CU FT) ¹	A: BASE DIMENSION (IN) ²	B: TOTAL WIDTH (IN) ²	C: TOP HEIGHT (IN) ²	D: FLANGE TO FLOOR HEIGHT ²	MODEL NO.
173	3,395	97	72 x 72	75.50	110.75	20.00	32-660-72
203	4,410	126	72 x 72	75.50	120.75	20.00	32-760-72
229	5,355	153	72 x 72	75.50	129.75	20.00	32-860-72
259	4,130	118	72 x 72	75.50	139.75	20.00	32-960-72
287	7,420	212	72 x 72	75.50	149.75	20.00	32-1060-72
343	7,770	222	84 x 84	85.50	145.00	20.00	32-1260-84
400	9,730	278	84 x 84	85.50	159.25	20.00	32-1460-84
457	11,760	336	84 x 84	85.50	173.50	20.00	32-1660-84
514	13,790	394	84 x 84	85.50	188.00	20.00	32-1860-84
570	15,715	449	84 x 84	85.50	202.25	20.00	32-2060-84

¹ Based on 35 pounds per cubic foot of material at 45-degree angle of repose, material center-filled
² Nominal dimensions



Dimensions with Optional Leg Extensions & Drop Tube

40-INCH LEG EXTENSIONS

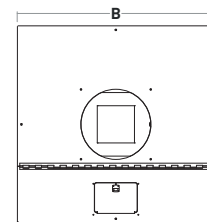
F: TOP HEIGHT (IN) ²	G: FLANGE TO FLOOR HEIGHT (IN) ²	DROP TUBE FLANGE TO FLOOR HEIGHT [IN] ²	
		H: STANDARD	I: EXTENDED
C + 40.00	60.00	G + 1.50	G - 11.00

60-INCH LEG EXTENSIONS

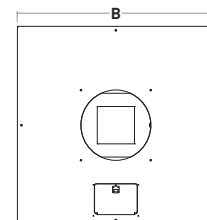
F: TOP HEIGHT (IN) ²	G: FLANGE TO FLOOR HEIGHT (IN) ²	DROP TUBE FLANGE TO FLOOR HEIGHT [IN] ²	
		H: STANDARD	I: EXTENDED
C + 60.00	80.00	G + 1.50	G - 11.00

² Nominal dimensions

Optional Bin Top Covers



1/3-2/3 Hinged Top



Pre-drilled vacuum receiver mount, and access hatch



- DISCHARGE
- STORE
- CONVEY
- FILL
- MIX
- RECLAIM
- INFEED
- PROCESS
- PACKAGE

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