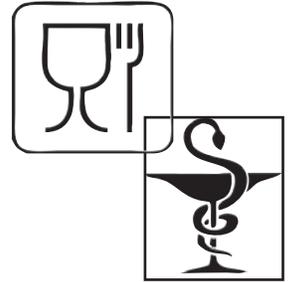


HOPPERS



High Performance Hoppers
for the Food and Pharmaceutical
Industries



 **BONAR[®]**
PLASTICS
MATERIAL HANDLING SOLUTIONS

www.bonarplastics.com

Different products have different flow characteristics. Our versatile line of bottom and side discharge hoppers provide a large variety of flow options. Constructed of FDA compliant, chemical-resistant polyethylene, these rugged hoppers are impressively durable yet less expensive than stainless steel. Smooth bottle interiors allow for easy material flow. Lightweight designs are easy to move and transport. Ergonomically-convenient slidegate allows access without having to reach under hopper. Our lightweight, 2-piece design is easy to move and transport, even with large loads.



8090 – Open, removable Top



8090 – Open, removable Top



8091

Bottom Discharge Hoppers

All plastic, one-piece molded hoppers with separate double-wall base for foods, chemicals and pharmaceuticals. All plastic construction is much lighter than conventional metal hoppers and eliminates metal corrosion. Top-filling opening and bottom discharge allows fast filling and dispensing of bulk powders, granulars and tablets. Rotomolded of heavy duty polyethylene for toughness, durability and weight advantages.

- All plastic hopper with separate, double-wall base
- Lighter weight than conventional metal hoppers
- Eliminates metal corrosion
- Top-fill opening and bottom discharge allow fast filling and dispensing
- Innovative design permits access to valve without reaching under hopper
- Optional built-in label holder
- 4-way forklift or pallet truck entry
- Removable top allows easy loading and clean-up
- Closed top prevents moisture absorption
- Extra thick corners and floor resist impact and wear
- Stackable 2-high with maximum 2,000 lbs / 907 kg

8045 / 8090 / 8091

Bottom Discharge Hopper – 45° Discharge Angle

8045 - Open Top			
Length		44 in	112 cm
Width		44 in	112 cm
Height		31 in	78 cm
Inlet		Open Top	
Outlet		10 in	25.4 cm
Volume	Cubic feet	11.5	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		173 lbs	79 kg

8090 – Open Top			
Length		44 in	112 cm
Width		44 in	112 cm
Height		50 in	127 cm
Inlet		Open Top	
Outlet		10 in	25.4 cm
Volume	Cubic feet	32	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		195 lbs	88.5 kg

8091 - Open or Closed Top			
Length		44 in	112 cm
Width		44 in	112 cm
Height		40 in	102 cm
Inlet		Open or Closed Top w/ 16"	
Outlet		6 in	15.24 cm
Volume	Cubic feet	20	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		140 lbs	64 kg

8092 / 8095

Bottom Discharge Hopper – 45° Discharge Angle

8092 – Closed Top			
Length		44 in	112 cm
Width		44 in	112 cm
Height		47 in	119 cm
Inlet		Closed Top 16"	
Outlet		6 in	15.24 cm
Volume	Cubic feet	27	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		175 lbs	79 kg



8092 – Closed Top

8095 - Closed Top			
Length		44 in	112 cm
Width		44 in	112 cm
Height		60 in	152.4 cm
Inlet		Closed Top w/ 22"	
Outlet		10 in	25.4 cm
Volume	Cubic feet	32	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		250 lbs	113.4 kg



8095 – Closed Top

Solving specific applications depends upon correctly analyzing the material to be handled, the capacity needed and the slope and size of opening required. Consult our sales representatives for assistance in selecting the correct hopper for your application.

8096

Bottom Discharge Hopper – 45° Discharge Angle

- 8"-12" Discharge opening
- Larger 48 x 48 footprint
- Increased capacity, 35 or 45 cu.ft.
- 45° Slope
- Stackable 2-high
- 4-way forklift / pallet jack entry
- Single-wall bottle, double-wall base
- Eliminates metal corrosion
- Reduces tare weight
- Replaceable parts



Standard 12" adjustable flow discharge



Optional 8" discharge

8096-1			
Length		48 in	122 cm
Width		48 in	122 cm
Height		52 in	132 cm
Inlet		Open Top	
Outlet		12 in	30.5 cm
Volume	Cubic feet	35	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		235 lbs	106.6 kg

8096-2			
Length		48 in	122 cm
Width		48 in	122 cm
Height		64 in	162 cm
Inlet		Open Top	
Outlet		12 in	30.5
Volume	Cubic feet	45	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		285 lbs	129.25 kg

45 Degree One Piece Hopper

- 9" Discharge opening.
- Smooth interior has no seams or ledges.
- Easy to sanitize.
- 4 way forklift-2 way pallet jack entry.
- Stacks up to 4 high.
- Replaceable abrasion resistant polypropylene wear pads.
- Rounded corners.
- 5" x 7" acrylic card holder on 2 sides.
- Stainless steel slide gate accessible from 2 sides.
- Optional casters available.
- Manufactured with FDA compliant LLDPE polyethylene.

Length: 48 in | Width: 48 in | Height: 52 in
Capacity: 35 cuft | 2000 lbs stacked 2 high
Tare Weight: 201 lbs w/ lid



Smooth interior



Optional casters

Sanitary Hopper Bins

Ideal for Food and Pharmaceutical Applications

- All plastic HDPE construction.
- Seamless, smooth interior surface provides excellent flow characteristics and is easy to clean.
- Large, non-threaded 22" opening for container access.
- HDPE cover with lever lock clamp ring design and full food grade gasket.
- Translucent bin enables users to monitor material usage through the tank wall without ancillary equipment.
- Unique sanitary seamless discharge bottom outlet is compatible with a variety of sanitary valves.



Smooth, clean top provides a more sanitary surface.



Unique sanitary lid offers a simple, lever-lock clamp ring design.



Snyder provides multiple fitting options to satisfy all your discharge requirements, including Iris, Butterfly, Slide Gates, and Sanitary Valves.

Sanitary Viscous Liquid Handling

Sanitary Viscous Liquid Handling for a Variety of Industries that handle viscous liquids in a sanitary environment.

- All Plastic HDPE construction.
- Complies with applicable FDA, NSF and USDA standards.
- Seamless, smooth interior surface provides excellent flow characteristics and is easy to clean.
- Large, non-threaded 22" opening for container access.
- HDPE cover with lever lock clamp ring design and full food grade gasket.
- Translucent bin enables users to monitor material usage through the tank wall without ancillary equipment.
- Unique sanitary seamless discharge bottom outlet is compatible with a variety of sanitary valves.
- Ideal for food products, lotions, cremes, pigments, flavorings, toothpastes, and much more.
- Stackable Design.



Bin Size	Height
190 Gal.	54.75"
300 Gal.	67"
375 Gal.	76.25"
450 Gal.	83.75"
600 Gal.	100.5"



Sanitary, quick removable, non-bolted type outlet.

Flowmaster

bin and silo systems



Multiple Top-Opening options in sizes up to 22" or a complete open-top.

Lifting/Stacking Alignment Lugs provide top lifting capability and enables containers to be stacked easily and safely.

Proprietary Company Logo or Product Information can be permanently embossed within the container sidewall.

1/2" Nominal Wall Thickness in tank and base provides superior resistance to impacts and environmental stress cracking.

45° or 60° Standard Hopper Angles other hopper angles available upon request.



Translucent Polyethylene Bottle allows users to view material usage through tank wall without using level indicator.

Dimension "A" 45° Hopper
Dimension "B" 60° Hopper

HDPE Material Construction

- Eliminates corrosion and the associated maintenance costs.
- Complies with applicable FDA, NSF, and USDA standards

UN/DOT Certified IBCs (pending) for use in the transportation of hazardous materials.

Multiple Discharge Openings - 4", 8" 10" 12" and other custom sizes.

Multiple Valve Options - including:

- Butterfly valve
- Sanitary Butterfly valve
- Iris valve
- Slide Gate
- Other

Bin Size	Dimension A 45°	Bin Size	Dimension B 60°
25 Cubic Feet	56.00"	30 Cubic Feet	70.25"
40 Cubic Feet	68.50"	48 Cubic Feet	82.75"
50 Cubic Feet	77.25"	58 Cubic Feet	91.50"
60 Cubic Feet	85.75"	68 Cubic Feet	100.00"
80 Cubic Feet	101.75"	-	-

Bin capacities are based on water-filled capacity.

Other custom sizes, hopper angles and dimensions available upon request.

Side Discharge Hoppers

8087 / 8089

Side Discharge Hopper – Closed Top

Typically applicable to tableting operations

- 25° discharge angle and 6" opening
- Base design allows 2-way forklift / pallet jack entry
- Simplified valve system
- Stackable 3-high full
- Iris valve or slidegate discharge valve accessory available



8089 – Closed Top

8087 - Closed Top			
Length		40 in	122 cm
Width		48 in	107 cm
Height		38 in	97 cm
Inlet		Closed Top 16"	
Outlet		6 in	15.24 cm
Volume	Cubic feet	18	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		175 lbs	79 kg

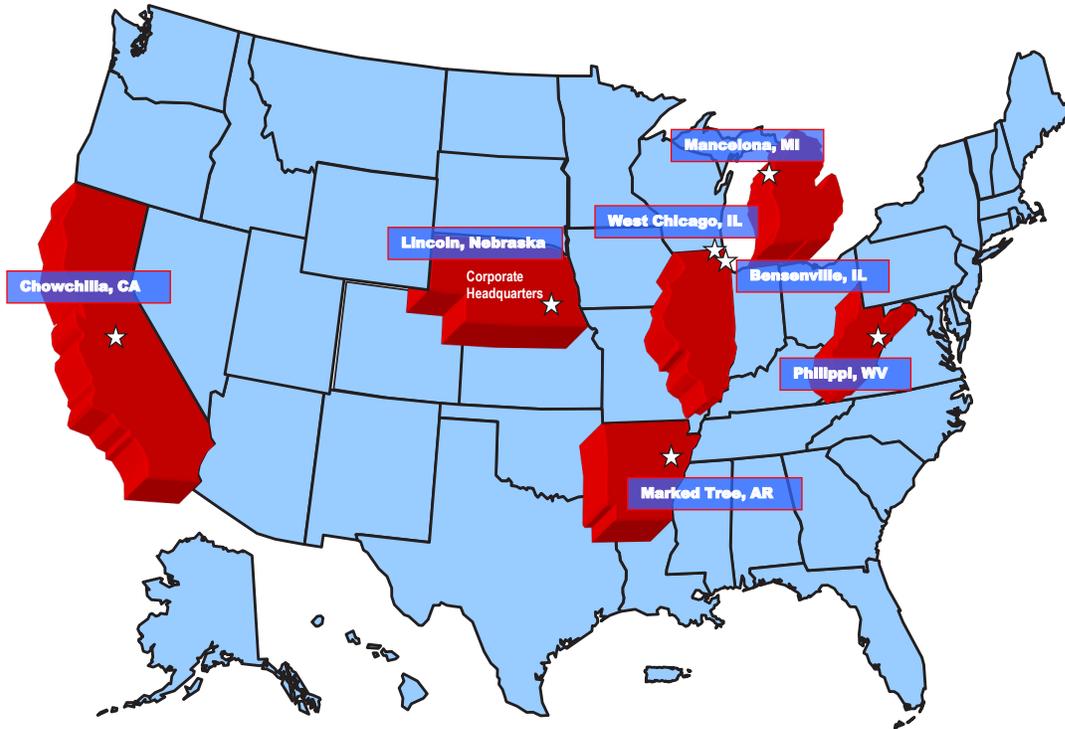
8089 - Closed Top			
Length		40 in	122 cm
Width		48 in	107 cm
Height		40.5 in	102 cm
Inlet		Closed Top 16"	
Outlet		6 in	15.24 cm
Volume	Cubic feet	20	
	Lbs / kg	2,000 lbs	907 kg
Tare weight (Lbs / Kg)		175 lbs	79 kg

Steel Material Handling Hopper Bins

Available in both Carbon and Stainless, Bonar offers steel hopper bins that are the perfect bulk handling solution for a variety of applications. Bonar's steel IBC hopper bins are fabricated with some of the most sophisticated manufacturing automation available. This state-of-the-art robotic manufacturing process ensures consistent high weld quality and assurance of container integrity. Steel bins can be configured to meet the most stringent design requirements.

Capacity	Overall Height	Hopper Angle
30 Cubic Feet	47.38"	45°
45 Cubic Feet	62.13"	45°
62 Cubic Feet	74.81"	45°
78 Cubic Feet	88.5"	45°





Additional Products available from Bonar Plastics



Polar[®] Merchandisers



Single Wall Bins



Freezer Sani-Pallets

6940 "O" Street, Suite 100 • Lincoln, NE • 68510 • Customer Service: 800-768-6246 • Fax: 402-465-1220

Email: sales@bonarplastics.com

Manufacturing Locations: Lincoln, NE, Marked Tree, AR, Philippi, WV, Mancelona, MI
 Chowchilla, CA • Bensenville, IL • West Chicago, IL