

Flowmaster

B I N A N D S I L O S Y S T E M S



Cost Effective, Versatile and Durable
The industry's best dry handling value



FLOWMASTER PORTABLE HOPPER BINS

Multiple Top-Opening options in sizes up to 24" or a complete open-top.

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

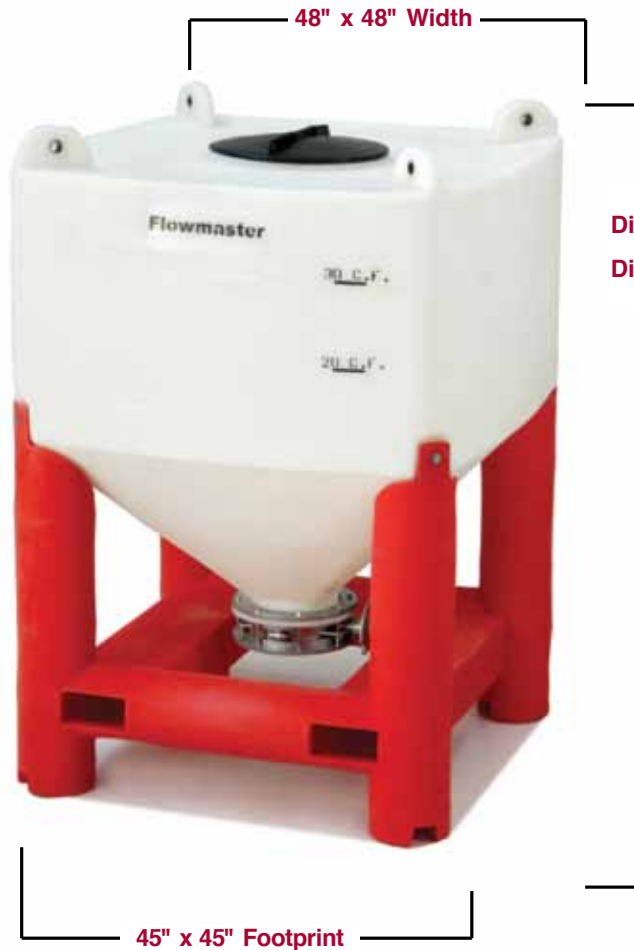
Proprietary Company Logo or Product Information can be permanently embossed within the container sidewall.

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.



Heavy-Duty Base and Transport Pallet is forklift and pallet-jack accessible.



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		Dimension B	
	45°	Bin Size	60°	Bin Size
25 Cubic Feet	56"	30 Cubic Feet	70.25"	
40 Cubic Feet	68.5"	48 Cubic Feet	82.75"	
50 Cubic Feet	77.25"	58 Cubic Feet	91.50"	
60 Cubic Feet	85.75"	68 Cubic Feet	100"	
80 Cubic Feet	101.75"	--	--	

Bin capacities are based on water-filled capacity

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



FLOWMASTER OPTIONS AND ACCESSORIES

FLOWMASTER bins and silos are available with a complete line of ancillary equipment and accessories, including:



Slide Gates



Butterfly Valves



Sanitary Butterfly



Iris Valves



Tumbling Equipment
can be designed to aid in the blending of different dry material.



Molded-in Company or Product Information
can be permanently embossed with proprietary company information.



Open and Closed Top Designs
Multiple top opening configurations are available to meet specific application requirements.



Discharge Stations
are designed to provide dust-free transfer of dry materials. Options include screw conveyors and vibratory feeders.



Optional Base Colors
Thick walled, all-plastic base is available in a variety of colors to help designate specific application.



Multiple Top Lid Options and Accessories



FLOWMASTER SEMI-BULK STORAGE SILOS

Top-Lifting Ears for crane and hoist hook attachments. In addition to reducing installation costs and increasing safety, lifting lugs allow you to off load the tank and put it into place with ease and without damage to the tank.

Seismic Tie Down Lugs available with seismic zone 4 and UBC 110 mph wind restraint tie down systems.

Minimum 1/2" Wall Thickness for superior resistance to impacts and environmental stress cracking.

Multiple Discharge Size Opening to accommodate your discharge fitting choices.

Large Molded Flat Areas are designed to accommodate a variety of top mounted fittings and accessories.

One Piece, Seamless Tank Construction provides uniformity and reduces potential stress points.



"Ultra-Smooth" and Durable Interior Surface provides a long-life vessel with excellent material flowability.

A Variety of Diameters and Sizes available up to 1,000 cubic feet.

Standard Cone Slopes of 30°, 45° and 60° provide excellent material discharge.

100% HDPE Material Construction complies with FDA Reg. 177.1520, NSF standard 61, and USDA standards and eliminates corrosion concerns and associated maintenance costs.

OSHA-Approved Ladder Assembly (option) – FRP and steel assemblies with hand rails and cages available.

Manways – 18" to 24", vented and sealed options.

Tank—45°	Diameter	Height
130 Cubic Feet	64"	102.75"
200 Cubic Feet	64"	140.75"
500 Cubic Feet	90"	213.3"
750 Cubic Feet	90"	286.9"
950 Cubic Feet	90"	314.9"
1000 Cubic Feet	90"	376.5"

Silo capacities are based on water-filled capacity

Other custom sizes available upon request.



DRY HANDLING BINS

Steel and plastic bin designs are available with a variety of options and sizes to meet the unique handling requirements of dry powder and granular materials. Bins can be configured with different slopes, discharge/fill openings, & valves. A full line of accessories, discharge stands, tumblers and filling stations is also offered to optimize material flow.



SUPERIOR PRODUCT DURABILITY AT THE LOWEST POSSIBLE COST

As a recognized leader in the design and manufacturing of material handling vessels, Bonar Plastics has perfected their rotational molding process technology to build **extra thick (.500" +) walled HDPE** containers with optimum physical property performance, which translates into longer lasting, more durable containers.

Bonar's unique processing techniques have resulted in container service lives extending beyond 20 years in some cases. Most importantly, Bonar's Flowmaster bins and silos deliver many performance advantages over other alternative material constructions, at a price that makes sense.

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 Cu. Ft.	47.38"	45°
45 Cu. Ft.	62.13"	45°
62 Cu. Ft.	74.81"	45°
78 Cu. Ft.	88.5"	45°

All dimensions in inches and based on 45° hopper with 8" valve.

UNPARALLELED DESIGN FLEXIBILITY AND ENGINEERING SUPPORT

As a dry materials processor, Bonar Plastics understands the importance of design flexibility and engineering support to ensure a dry handling material system integration meets specific application requirements. Flowmaster bins and silos are manufactured and marketed with a variety of different design, accessory, and ancillary equipment options, so that engineers, contractors, and end users have a broad range of choices in making their final dry handling system feature decisions. In an effort to help guarantee the final solution choices are optimized, Bonar sales representatives and engineering personnel supplement the whole project process, which culminates in the creation of the final dry approval drawing(s).



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ADDITIONAL SOLUTIONS IN BULK HANDLING



POLY COMBO BINS

Economical bulk bins are ideal for handling both durable and perishable goods. Available in single wall construction, that can be stacked up to three units high to save space in storage and transportation.



HEAVY LIFT BIN

Heavy duty top lift hopper lid designed specifically where lifting of heavy materials is critical, such as off-shore and catalyst markets.



VISCOUS LIQUID HANDLING SOLUTIONS

Specifically designed for viscous liquids used in a variety of industry. Bonar has a wide array of IBC design types to promote better drain flow of materials with varying levels of viscosity.

ONE SOURCE DOES IT ALL

Whether you are a manufacturer or distributor, Bonar Plastics can help you improve the function, economics and performance of your company's bulk handling systems.



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