

Surge Bins

SB Series: *100 – 460 ft³ (2830 –13025 liters)

Surge Bins can be used to provide additional material storage space or integrated into a material conveying system.

These bins are ideal for bulk storage of plastic resins prior to processing. They can be fitted with receivers or loaders and take-off boxes.



Surge Bin Installation

***Sized by Usable Volume**

Volume based on volume plastic material will fill...not “air” capacity.

Rugged Construction

Carbon steel with interior cleaned and exterior enamel finish.

40° or 60° Cone Bottom

To accommodate pellets and many regrinds.

Ready for Loading

Standard 12” bolt hole pattern accommodates a Novatec loader or receiver up to 500 lb./hr. maximum.

Plus:

- Hi/low 4’ diameter sight glasses
- Hi/low 1.25” NPT couplings for level sensing
- Lifting lugs for easy installation
- 12” x 12” discharge opening
- 20” discharge clearance
- 9” x 12” inspection hatch
- 12” dia. hole to mount Novatec loader

Specifications:

Volume		Model		L x W x H	
		Standard 60 Degree	45 Degree Hopper	in.	cm
ft ³	Liters				
100	2830	SB-100		54 x 54 x 106	137 X 137 X 269
			SB-100-F	54 x 54 x 96	137 X 137 X 244
115	3255	SB-115		54 x 54 x 121	137 X 137 X 307
			SB-115-F	54 x 54 x 111	137 X 137 X 282
140	3965	SB-140		72 x 72 x 111	183 X 183 X 282
			SB-140-F	72 x 72 x 98	183 X 183 X 249
165	4672	SB-165		72 x 72 x 121	183 X 183 X 307
			SB-165-F	72 x 72 x 108	183 X 183 X 274
180	5100	SB-180		72 x 72 x 130	183 X 183 X 330
			SB-180-F	72 x 72 x 117	183 X 183 X 297
207	5860	SB-207		72 x 72 x 140	183 X 183 X 356
			SB-207-F	72 x 72 x 127	183 X 183 X 323
235	6655	SB-235		72 x 72 x 151.5	183 X 183 X 385
			SB-235-F	72 x 72 x 135	183 X 183 X 343
275	7790	SB-275		84 x 84 x 145	213 X 213 X 368
			SB-275-F	84 x 84 x 129	213 X 213 X 328
321	9090	SB-321		84 x 84 x 160	213 X 213 X 406
			SB-321-F	84 x 84 x 144	213 X 213 X 366
370	10480	SB-370		84 x 84 x 174	213 X 213 X 442
			SB-370-F	84 x 84 x 158	213 X 213 X 401
410	11610	SB-410		84 x 84 x 188	213 X 213 X 478
			SB-410-F	84 x 84 x 172	213 X 213 X 437
460	13025	SB-460		84 x 84 x 203	213 X 213 X 516
			SB-460-F	84 x 84 x 187	213 X 213 X 475

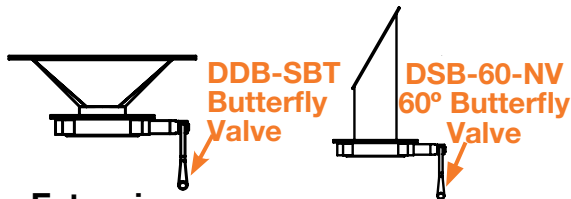
Accessories: (Show as separate line item on order – shipped separately. See Price list # 400)

Discharge Gates: 12" (305 mm)

- Manual Carbon Steel Slide Gate
- Manual Stainless Steel Slide Gate
- Carbon Steel Rack & Pinion Slide Gate (Stainless Steel Contact Points)
- Stainless Steel Rack & Pinion Slide Gate (All stainless Steel Components)

Drain w/ Butterfly Valve:

- 60° Surge Bin Mount
- 45° Surge Bin Mount
- Discharge Drain for Surge Bin Take-off with 4" Butterfly Valve Shut-off



Leg Extensions:

Adds 42", 60" or 72" to 20" discharge clearance

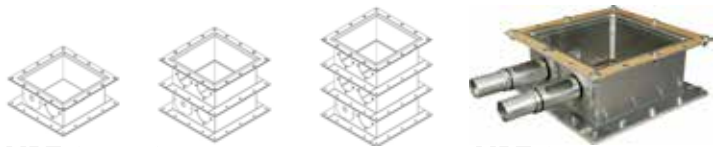
Discharge Tube Extension: 20" or 32"

Clear Epoxy Coating: SB-100 through SB-460

Take-off Boxes (Aluminum):

Up to 2, 4, or 6 Position for 1.5" - 3" O.D. Probes

*Up to 1, 2 or 4 Position for 4" O.D. Probes



MBT-2, -4, -6

MBT-2

Take-Off Box Probes: (Aluminum):

1.5" (38mm)

2.0" (50mm)

2.5" (64mm)

3.0" (76mm)

* 4.0" (100mm) – Take-off box for 4" probes required



Material Probes with adjustable air flow, 1.5" - 4" O.D.

Aluminum In-line Air Adjustment Probes

1.5" to 3" (Increases air to material ratio; recommended for long distance, high vacuum conveying).

Alarm Horn and Light Kits: Multiple versions