

WETTING BOWL



REDUCES LIME FEED PLUGGING

The wetting bowl is an ancillary device installed on top of a lime slaker or a mixing tank feed inlet port. It is designed to create a water curtain around the dry feed stream minimizing wet bulk material from plugging the slaker or mixing tank feed inlet port. A cone of water is created at the feed inlet port producing a cyclone effect inside the bowl ensuring the interior surface is covered in water minimizing dry spots preventing bulk material from building up. This allows you to put more bulk material in your process saving you both time and money. Incorporating the wetting bowl into your lime slaker or mixing tank systems also improves efficiency and the safety of your workers due to reduced dusting with less potential for upstream plugging.

TYPICAL BULK MATERIALS PROCESSED

- Quicklime
- Hydrated lime
- Magnesium Oxide
- Soda Ash

TYPICAL APPLICATIONS

- Mining
- Municipal Water
- Wastewater
- Pulp and Paper
- Food
- Steel
- Power
- Oil and Gas

FEATURES

Steel construction

Installed on top of slaker or mixing tank feed inlet port

Mount has cut outs to securely attach to feed inlet port

Bolt on cover

Tangential water entry

Cover lip ring

A selection of cover lids with different sized inlets (to be confirmed at time of order)

BENEFITS

Offers durable design providing structural stability

Connects quickly resulting in lower installation costs

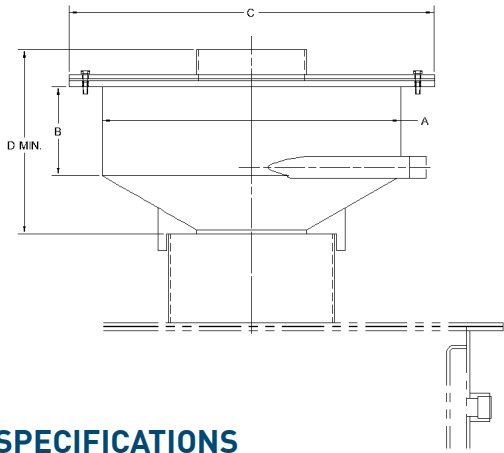
Provides built in flexibility to suit range of inlet sizes (8" to 12") resulting in more compatible installation options

Provides a barrier to dust and water escaping while allowing for maintenance access increasing safety

Provides swirling action in wetting bowl to completely cover the surface in water minimizing dry spots where material can build up

Provides additional barrier to moisture migration into the dry feed inlet further minimizing where material can build up

Provides for compatibility with upstream equipment eliminating the cost to modify existing equipment at site



SPECIFICATIONS

PROCESS REQUIREMENT

- **Water Flow Range:**
2 to 260 USgpm [0.5 to 59 m³/h]

MATERIAL OF CONSTRUCTION

- **Standard:**
 - Body: A36 Carbon Steel
- **Options:**
 - Body: 304 and 316 Stainless Steel

COATING (FOR CARBON STEEL CONSTRUCTION)

- **Surface Preparation:** SSPC-SP 6 Commercial Blast Cleaning / NACE No.3 [ISO 8501 Sa 2]
- **Primer:** Carboline Carbomastic 615, 3-4 mil [75 to 100 µm] DFT
- **Finish:** Carboline Carboxane 2000, 3-4 mil [75 to 100 µm] DFT
- **Finish Color:** RAL 9003 Signal White (Other color available upon request)
- **Corrosivity Category:** (ISO 12944) C3 High and C4 Medium

IMPORTANT NOTICE

The information contained in this product data sheet is, to the best of our knowledge, true and accurate. As application-specific factors may impact performance, users are advised to evaluate the product independently to determine suitability for the intended application and use conditions. Product availability and specifications are subject to change without notice.

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AVAILABILITY

MODEL	A (in. [mm])		B (in. [mm])		C (in. [mm])		D (in. [mm])	
B-5	14	[356]	5	[127]	18	[457]	7 1/2	[191]
B-15	18	[457]	4	[102]	22	[559]	10	[254]
B-25	18	[457]	4	[102]	22	[559]	10	[254]
B-40	22	[559]	8	[203]	26	[660]	16 1/2	[419]
B-55	22	[559]	8	[203]	26	[660]	16 1/2	[419]
B-60	24	[610]	10	[254]	28	[711]	22	[559]
B-90	24	[610]	12	[305]	28	[711]	22	[559]

LET US HELP PROVIDE A SOLUTION FOR YOUR NEEDS.

For over 50 years, STT has been designing and installing lime slaking and bulk material handling systems. What makes STT different is our diverse experience in many applications, industries and chemicals, along with the ability to support systems from concept through to decommissioning, and everything in between. To speak with one of our experts, contact us at:

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OUR NAMES HAVE CHANGED.
OUR COMMITMENT TO QUALITY REMAINS.