



Master BulkSlide

SOLIDS FLOW METER



RICE LAKE®
WEIGHING SYSTEMS

800-472-6703
www.ricelake.com

Master BulkSlide

Solids Flow Meter

The Master BulkSlide is a solids flow meter that measures with accuracy from $\pm 0,5$ percent. It can be used for most solid bulk products that are free flowing and non-sticky. The BulkSlide calculates the product flow and total by measuring the force of the bulk product as it contacts the curved plate within the BulkSlide assembly.

The BulkSlide offers many advantages, including nearly zero maintenance and very low power consumption. With a stable zero point, compact design and many communications options to transfer data to a PLC or PC, the BulkSlide is adaptive for many environments.

Dynamic Weighing Instrumentation

The WE503D is a multifunctional weight processor that can be used in most applications with a variety of dynamic weighing systems. It has two totalizers and provides a readout of the actual flow rate in kilograms per hour or tons per hour, or the total weight in kilograms or tons.

In addition to the basic functions of dynamic weighers, the WE503D also has Batch functionality and a PID control function, which can be used to control the capacity in function of a setpoint.

Possible inputs and outputs are analog (4-20 mA), Digital I/O (and counting pulse), RS-232/RS-485, USB port, Modbus RTU, Ethernet TCP/IP, Modbus TCP, Profibus DP, Profinet Ethernet/IP, DeviceNet, CanOpen, Ethercat and Wifi

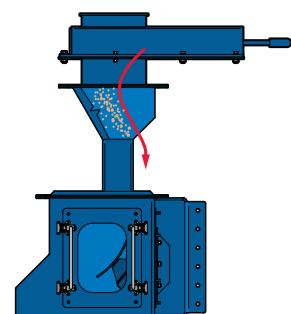


The Master BulkSlide pairs with all types of material feeder options providing accuracy even with variable conveyor or feeder outputs.

Slide Construction	Application
Stainless Steel	Powder materials
Hardox® 400	Semi-abrasive products, grain, cement
Polyurethane	Sticky materials, coffee beans, cocoa beans
Ceramic Coated	Abrasive products, corn soy, sunflower

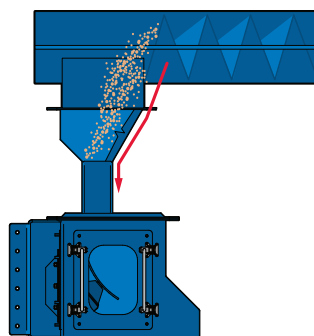
SLIDE AT OUTLET

Master BulkSlide installed with a silo slide outlet.



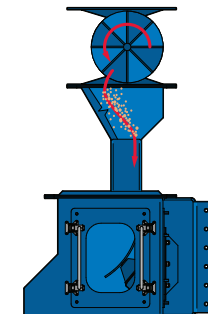
SCREW CONVEYOR

Master BulkSlide installed after a rotary valve.



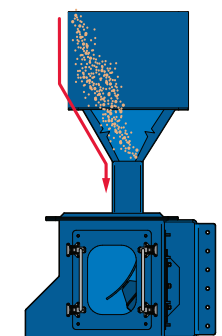
ROTARY VALVE

Master BulkSlide installed after a screw conveyor.



FREE FALL

Master BulkSlide installed below free falling material.





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Standard Features

- Pre-calibrated
- Accuracy from $\pm 0,5\%$
- Independent from density
- Communication Option: 4-20mA or Fieldbus

Applications:

- Grain/Feed
- Cement/Construction Materials
- Wood
- Recycling
- Food and Chemical

Specifications

Housing Construction: Painted or Stainless Steel

Slide Construction: Carbon Steel, Stainless Steel, Hardox® or Ceramic

Capacity: Up to 600m³/hour

Temperature: -40 to 75 C optional 160 C
-40 to 167 F optional 320 F

Approvals: ATEX and FM approved load cells can be provided

System Accuracy: From $\pm 0,5\%$

Warranty: One-year limited warranty



Metric				
Type	Max. flow rate [m ³ /h]	Max. particle size [mm]	Dimensions: L x W x H [mm]	Weight of BulkSlide [kg]
Model BF006	6	25	280 x 280 x 503	23
Model BF012	12	20	320 x 350 x 625	30
Model BF024	24	30	350 x 450 x 625	40
Model BF050	50	40	350 x 750 x 625	55
Model BF060	60	40	500 x 450 x 798	65
Model BF100	100	50	515 x 515 x 900	70
Model BF200	200	50	515 x 515 x 900	75
Model BF400	400	50	670 x 670 x 1,210	85
Model BF600	600	60	670 x 670 x 1,210	95

Imperial				
Type	Max. flow rate [ft ³ /h]	Max. particle size [in]	Dimensions: L x W x H [in]	Weight of BulkSlide [lb]
Model BF006	212	1	11 x 11 x 19.80	28.6
Model BF012	424	1.2	12.6 x 13.8 x 24.61	66.1
Model BF024	848	1.2	13.8 x 17.7 x 24.61	66.1
Model BF050	1,766	1.6	13.8 x 29.5 x 24.61	110.2
Model BF060	2,100	1.6	19.7 x 17.7 x 31.42	143.3
Model BF100	3,531	2.0	20.3 x 20.3 x 35.43	154.3
Model BF200	7,063	2.0	20.3 x 20.3 x 35.43	165.3
Model BF400	14,126	2.0	26.4 x 26.4 x 47.64	187.4
Model BF600	22,189	2.4	26.4 x 26.4 x 47.64	209.4

SALES AND TECHNICAL ASSISTANCE

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