

■ Berlin Grain Feeder

- >>Ideal to mix products
- >>Robust and trusty
- >>Work for weight
- >>High precision
- >>Low cost
- >>High tecnology
- >>Operation in two steps
- >>Connect it to CLP´s and computers



Berlin Grain feeder was developed to allow a proportional high precision mixture of two different products into a production line. The feeder's accuracy is based on the use of load cells, which measure the feed by weight instead of by volume, guaranteeing high precision independent of variations in the product density. High precision (99,5% to the exact weight measured) is also assured by the mechanical and electronic technology used in the feeder and the software which was specially developed for the Berlin grain feeder.

Design And Working Principle

The Berlin grain feeder mixes two different products in proportions predefined by the operator. This feeder distinguishes itself by providing an economical solution for precise blending and weighing systems, without compromising quality or efficiency.

Berlin grain feeder has a simple robust, totally enclosed design. Its reduced size,

facilitate installation in an existing operation, and reduces installation costs because it can be simply mounted to an existing tank or hopper. This simple mounting principle is based on the use of a standard square flanged adapter at each feed silo outlet. It's small footprint makes it easy to move from one tank to another if necessary. These two features combined mean that only two feeders are usually needed in a standard rice blending operation, regardless of the number of silos you may use for blending.

The flow control of the product is performed with a servo-controlled gate, which is monitored by the feeder controller.

The two feeders are interlinked, but, at the same time, independent. While feeder number 1 maintains its predefined flow, it checks the flow of feeder number 2, or vice versa, in order to secure accurate proportion and feed rate.

Simplicity in Operation

Another advantage of the Berlin grain feeder is that it is easy and simple to operate.

In the feeders control panel there is a LCD screen, where two main rates are defined:

- 1)The outflow of the product in larger quantity.
i.e: 17 ton/hour (product 1)
- 2)The percentage of the product in smaller quantity.
i.e. : 8% (product 2)

This is the only setting the operator needs to input!

Connectivity

There are two version of the Berlin feeder available.

For independent use, a control panel with LCD screen and alpha numeric keypad to insert

values, is provided, unless the client expresses other specific needs.

For an operation with an integrated plant automation system, the client should request the BUS version. This way operation of the Berlin feeder and other of other microcomputers connected to the network can be viewed and controlled.

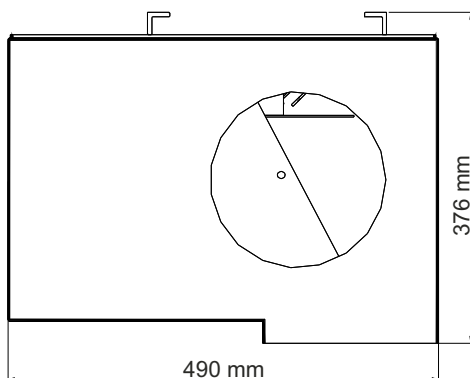
Characteristics

Weighing modules are manufactured in stainless steel and use a load cell as a sensor;

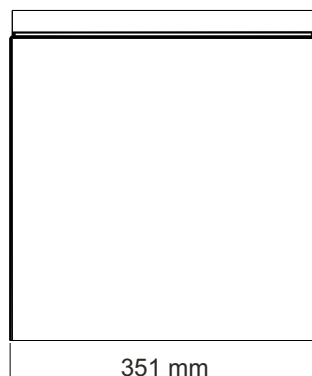
Flow control by a controlled servo-motor gate;

LCD screen to visualize flow data and percentage or Ton/h;

Serial port RS 485/MODBUS or Profibus, for remote access by PC or automation systems.



Front View



Side View

Representative:



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