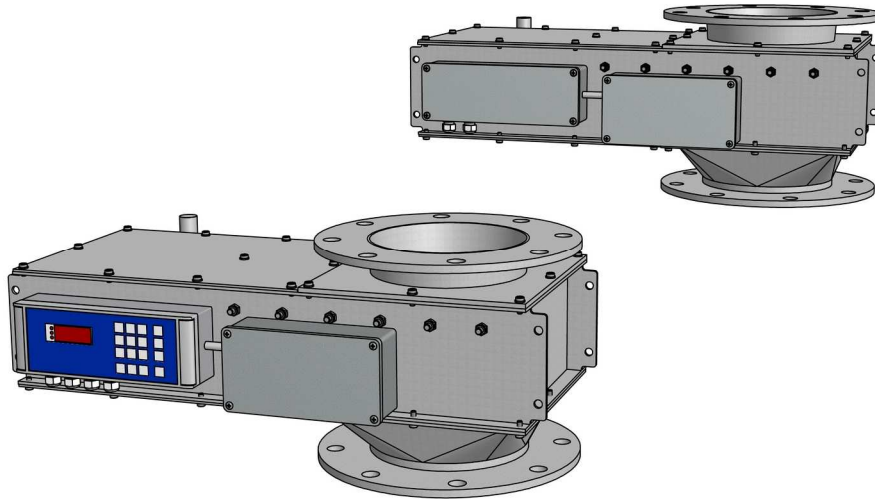


# BATCH CONTROLLER BC3

Batch dosing of free flowing bulk solids



## Overview

- Pneumatic controlled flat gate with weighing sensor
- Summation of throughput in kg
- Gravimetric batch dosing with preselection of desired amounts in kg
- Easy installation directly under silo outlet
- Very low installation height

## Application

The *Batch Controller BC3* is suitable for the following applications:

- Dosing for bulk loading with preselection of desired batch amounts, e.g. for truck loading
- Dosing of product components in batch operation, e.g. for production of feeding stuff
- Measurement of flow capacity and total amount at the outlet of a silo

For operation of the *Batch Controller BC3* full product stock at the inlet of the device is required.

## Function

A pneumatic controlled flat gate is located in a steel housing. Under the flat gate there is a weighing sensor which measures the product flow rate. The user enters a desired batch amount and starts dosing, the flat gate opens and the product flows with maximum capacity over the baffle plate. When reaching the desired amount, the dosing is stopped.

## Applied products

All free flowing products can be measured, e.g. grain, pulses, granules, malt, pellets, soya and diverse bruised grains.

## Construction

The *Batch Controller BC3* consists of basic housing, ball bearing mounted flat gate, pneumatic cylinder, weighing sensor, load cell and electric connections. The housing is dust-tight. It is mounted at the outlet of a silo or bin.

## Sizes

The following sizes are available:

Type	Pipe diameter	Approximate flow capacity	Height with flared pipe end	Height with PN-flange
BC3.120	120 mm	20 m <sup>3</sup> /h	220 mm	260 mm
BC3.150	150 mm	40 m <sup>3</sup> /h	220 mm	260 mm
BC3.200	200 mm	80 m <sup>3</sup> /h	305 mm	285 mm
BC3.250	250 mm	120 m <sup>3</sup> /h	320 mm	310 mm

The housing is available in standard steel and stainless steel.

## Integration

The device is installed with flared pipe ends or with PN-flanges. On request other pipe connections can be realized.

A compressed air connection of at least 4 bar is required.

## Accuracy

The Batch Controller has a measuring tolerance of 0,2 – 1,0 %, depending on inlet condition and product homogeneity.

## Evaluation (alternatively)

Extern electronic type FE128

Available for panel mounting (24 V DC) or in wall housing (230 V AC), it can be installed independent from the dosing unit, max. 2 dosing units may be connected, with LCD-display and keypad.

Integrated electronic type FE710

Compact electronic, mounted directly at the dosing unit (24 V DC), with LED-display and keypad, easy integration via profibus interface, RS485 or analogue signals

## Supplier information

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Due to our policy of continuous development, given specifications and data are subject to change.