



Automatic  
Flowbalancer.  
**MZAH.**



**LGPM**  
PROCESS INNOVATION

# Automatic Flowbalancer MZA.H. Gravimetric Proportioning.



Flowbalancer MZA.H. for an optimal blending of grain varieties.

## Operating principle.

The Automatic Flowbalancer MZA.H. allows the flow rate of a free-flowing stream of product to be constantly maintained regardless of the specific gravity or variations in the moisture content of the product. The required throughput is specified by entering the value directly on the control unit or by remote control via a process control system equipped with the appropriate serial or analog (option) interfaces.

The Automatic Flowbalancer MZA.H. is distinguished by the following technical features:

- Pneumatically controlled proportioning gate with automatic closing in case of a power failure
- Measurement system with an impact plate and electronic force transducer
- Integrated electronics for operation, control and monitoring of the unit

## Application.

Gravimetric proportioning from a solid stream of product for:

- blending different grain varieties
- automatically maintaining a prespecified throughput of free-flowing products

## The advantages at a glance:

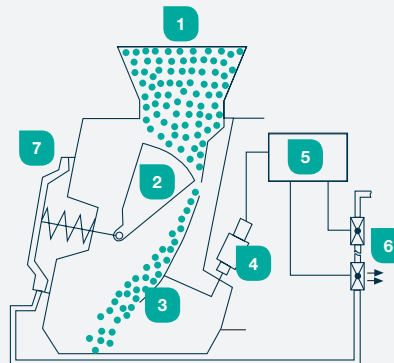
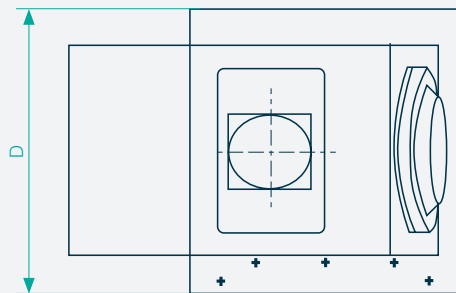
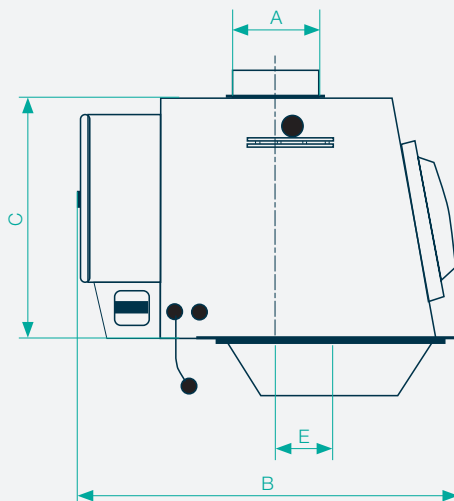
- Constant capacity
- High operational reliability
- Integrated monitoring
- Low space requirement
- Low maintenance

# Automatic Flowbalancer MZAH. **Constant capacity.**

The technical data of the automatic Flowbalancer MZAH at a glance:

	MZAH-10	MZAH-12	MZAH-15	MZAH-25
<b>Throughput t/h</b>				
Wheat	0.1 – 7.5*	0.2 – 15	0.4 – 30	5.0 – 100
Corn (maize)	–	0.5 – 15	1.0 – 30	5.0 – 100
<b>Accuracy</b>				
	0.1 – 1.5 t/h: ± 0.03 t/h 1.5 – 7.5 t/h: ± 1%	0.2 – 3 t/h: ± 0.03 t/h 3.0 – 15 t/h: ± 1%	0.4 – 6 t/h: ± 0.06 t/h 6.0 – 30 t/h: ± 1%	5.0 – 20 t/h: ± 0.5 t/h 20.0 – 100 t/h: ± 2.5%
<b>Dimensions</b>	mm			
<b>A</b>	120, 150	120, 150	150, 200	200, 250
<b>B</b>	720	720	720	720
<b>C</b>	445	445	445	445
<b>D</b>	515	515	515	515
<b>E</b>	100	100	100	107
<b>Approx. weights</b>				
net	kg 50	kg 50	kg 50	kg 50

\* only applicable for clean, dry wheat



- 1 Inlet
- 2 Proportioning gate
- 3 Impact plate
- 4 Electronic force transducer
- 5 Integrated electronics
- 6 Control valves
- 7 Diaphragm actuator



**Bühler AG**

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Flyer Automatic Flowbalancer MZAH en 07/17 ZACC