Automatic Flowbalancer. **MZAL.**

Innovations for a **better world.**

BÜHLER

Automatic Flowbalancer MZAL.
Gravimetric proportioning.

Flowbalancer MZAL. For an optimal blending of grain varieties.

Operating principle.

The MZAL Automatic Flowbalancer allows the flow rate of a free-flowing stream of product to be maintained constant 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 MZAL Automatic Flowbalancer 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

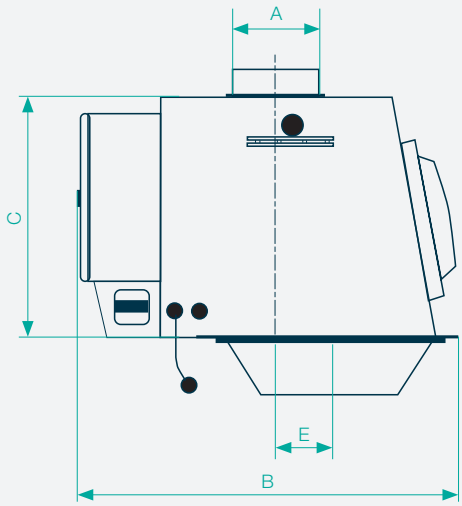
The advantages at a glance:

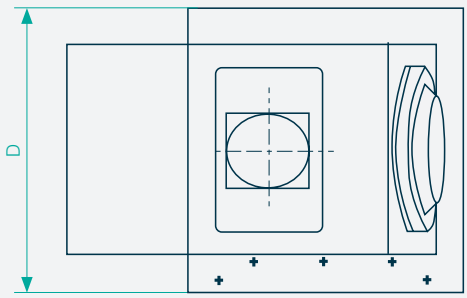
- Constant throughput rate
- Fast and precise automatic control system
- User-friendly electronics
- Integrated monitoring the low level and the proportioning gate
- Easy and fast weight alignment
- Low building height requirement

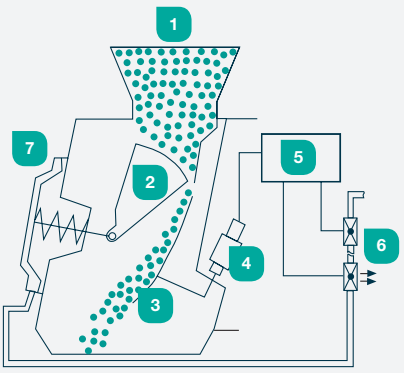
Automatic Flowbalancer MZAL.
Constant capacity.

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

		MZAL-12	MZAL-15	MZAL-25
Throughput t/h				
Wheat		0.2 – 15	0.4 – 30	5.0 – 100
Corn (maize)		0.5 – 15	1.0 – 30	5.0 – 100
Accuracy		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 %
Dimensions	mm			
A		120, 150	150, 200	200, 250
B		729.7	729.7	729.7
C		445	445	445
D		514	514	514
E		100	100	107
Approx. weights	kg			
net		70	70	75
gross		80	80	85
seapacked		85	85	90
Volume seapacked	m^3	0.4	0.4	0.4







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

Bühler AG

CH-9240 Uzwil
Switzerland

T + 41 71 955 11 11
F + 41 71 955 66 11

buhlergroup.com/milling

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