



Air cleaner  
ASU and ASA.  
**LAIA.**

# Efficient removal of dust and light particles. **For consistently high product quality.**

The air cleaners ASU and ASA are employed primarily to remove dust and lightweight particles out of the product flow. This significantly improves the efficiency of the subsequent process machines as well as the protection of the entire system.

## **Economical operation and minimized dust emissions.**

Both the exhaust air and the recirculated air cleaner systems enable extremely cost-effective coarse cleaning of products with low space requirements at the same time. The air cleaners minimize dust emissions in all subsequent process steps, which helps to reduce the risk of dust explosions and increases the efficiency of following processing equipment.

## **Ease of use and maximum flexibility for a wide range of applications.**

The variably adjustable vibrating inlet flap combined with the controllable vertical sifter not only allows optimal cleaning, but also an individual adjustment to almost any product. In addition, wear protection can be installed when processing abrasive products or in continuous operation (24/7).

## **Separate discharge for dust and lightweight particles.**

The LAIA air cleaners convince by their large expansion rooms with discharge screws. The discharge of the lightweight particles has the advantage that the filter load is reduced. In addition, samples can be taken easily and the volume of air can be adapted accordingly.

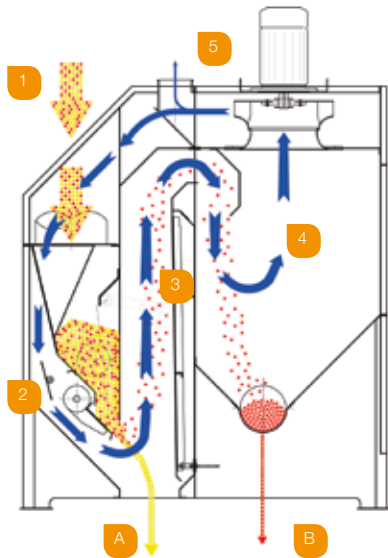
### **The benefits at a glance:**

- Economical operation
- Minimized dust emissions in subsequent process steps
- Easy operation and a high level of flexibility through adjustable vertical sifter
- Separate discharge for dust and light particles



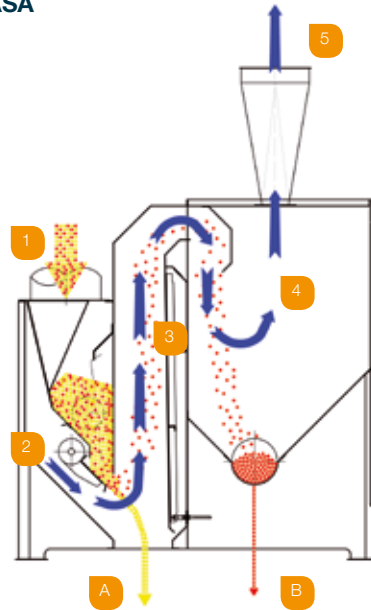
# Easy operation. With the flexibility you need.

Functional diagram  
**ASU**



The ASU is a recirculated air cleaner fitted with two fans in order to significantly improve air distribution.

Functional diagram  
**ASA**



The cost-effective ASA uses exhaust air and is employed primarily for moist and / or sticky products like malt or rapeseed.

- 1 Product inlet
- 2 Vibrating inlet flap
- 3 Vertical sifter with adjustable cross-section
- 4 Expansion chamber with discharge screw
- 5 Exhaust air connection

- A 1st grade  
B Dust and lightweight particles

»In our new reception point, we mainly receive corn. Before we dry and store the fresh harvested product, the ASU removes all kind of light particles and dust. In combination with the subsequent Bühler drumsieve we make sure to dry and store only well pre-cleaned product.«

**Josef Bittl, Productmanager  
Grain, BayWa, Germany**

## Technical data and capacities:

### Max. product capacities

|                                                             |     |
|-------------------------------------------------------------|-----|
| Wheat, rye (0.75 t/m <sup>3</sup> , 18 % H <sub>2</sub> O)  | t/h |
| Feed barley (0.65 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) | t/h |
| Corn (0.75 t/m <sup>3</sup> , 15 % H <sub>2</sub> O)        | t/h |
| Malt (0.55 t/m <sup>3</sup> , 5 % H <sub>2</sub> O)         | t/h |

### Operating width

### Motor power

|                 |    |
|-----------------|----|
| Fans            | kW |
| Discharge screw |    |

### Aspiration connection

### Total weight

### Dimensions (L x W x H)

|                                                             | ASU 200            | ASA 150            | ASA 200            |
|-------------------------------------------------------------|--------------------|--------------------|--------------------|
| Max. product capacities                                     |                    |                    |                    |
| Wheat, rye (0.75 t/m <sup>3</sup> , 18 % H <sub>2</sub> O)  | 220                | 165                | 220                |
| Feed barley (0.65 t/m <sup>3</sup> , 18 % H <sub>2</sub> O) | 170                | 130                | 170                |
| Corn (0.75 t/m <sup>3</sup> , 15 % H <sub>2</sub> O)        | 220                | 165                | 220                |
| Malt (0.55 t/m <sup>3</sup> , 5 % H <sub>2</sub> O)         | -                  | 125                | 160                |
| Operating width                                             | 2,000              | 1,500              | 2,000              |
| Motor power                                                 |                    |                    |                    |
| Fans                                                        | 2 x 5.5            | -                  | -                  |
| Discharge screw                                             | 0.75               | 0.75               | 0.75               |
| Aspiration connection                                       | ~ 20               | ~ 195              | ~ 260              |
| Total weight                                                | ~ 1,720            | ~ 1,020            | ~ 1,235            |
| Dimensions (L x W x H)                                      | 1.69 x 2.53 x 2.28 | 1.69 x 2.03 x 1.67 | 1.69 x 2.53 x 1.67 |

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