



the new generation

# AURORA

## MODULAR PLANSIFTER





B2





# Aurora

## the new generation

### Modular Square Plansifter

The Aurora is a new generation of Plansifter which is designed by using new and innovative concepts of using modules, which allow a total flexibility from 2 sections to 4, 6 and 8 sections to suit the specific requirements of its usage. By using a new manufacturing technique which allows fast delivery times to respect the customer's demands.

#### **APPLICATION & SCOPE OF USE**

The Aurora has been designed to sift and grade granular and floury products in flour, maize (corn), durum, rye and rice mills. It can also be applied for the sorting of free flowing and granular products.



# Modular Concept

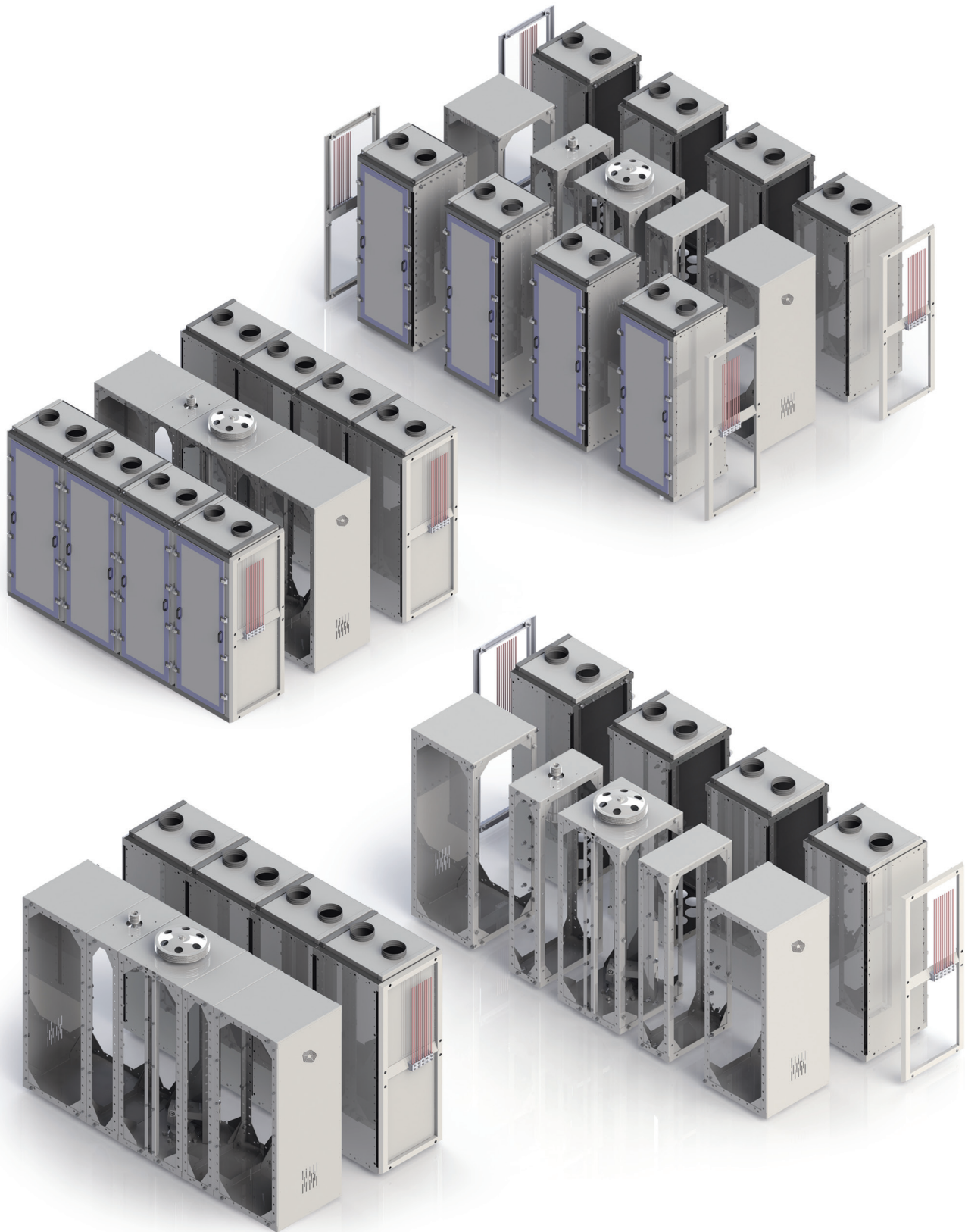
## Higher sifting efficiency with compactness

This innovative concept consists of the central oscillating drive mechanism to which there are two sections attached by means of 2 carrier arms. Starting from here any even number of sections can be attached limited to a maximum number of 8 sections and vice versa they can be removed.

The oscillating drive system consists of a central shaft to which the counter weights, which are adjustable are attached. The top and bottom ends of the shaft are housed in double conical cylindrical bearings. The shaft is driven by a motor, special pulleys and Poly-V drive belts. The motor is mounted on to the main frame. The bearings have a special lubrication system and are easy to mount and dismantle.

The Aurora is easy to install and in cases where there is a limitation of space it can be shipped in modules or sections which is ideal when there is a limited amount of space available. Several suspending options are available for different floor heights.











# Efficient Sifting And Sanitation

Higher sieve loads are achieved by using the AURORA (G) frames and AURORA sieve fabric and sieve tray cleaners an extra 22% sifting area is achieved. The Alapala type G, N and S sieves can be used. Further more, a constant sifting capacity is achieved with the best through rates with minimum sieve cleaning and low easy maintenance.

After the sieves have been placed in the section they are pressed and clamped by a special pressure clamping device which is independently adjustable from all four corners.

High levels of sanitation are achieved due to the innovative way of construction of the AURORA where all parts in contact with product are made of stainless steel or food grade synthetic materials. Humidity is avoided by using special high grade insulation.

The innovative way of construction stops the internal product build up in the dead areas thus preventing adour and the growth of mold, bacteria and insect infestation.





## FEATURES & ADVANTAGES

- Modular section concept
- The modular concept allows the number of sections to be adjusted as required
- Fast manufacturing and delivery time
- Higher loads and excellent sifting capacity in the minimum of space
- 22% extra sieving area by using the Type G AURORA boxes with a maximum of 30 sieves per section
- Combined AURORA cleaners for fabric sieves and sieve boxes
- Constant sifting capacity
- Vertical & horizontal dividing possibility at any required level
- Maximum sanitation by the use of stainless steel & food grade synthetics
- Excellent insulation against humidity and condensation
- Easy to clean
- Minimum maintenance
- Special pressure clamping device for the proper tight sift proof closing of the access doors

The access doors are made from CTP (fibre glass reinforced polyurethane) which are strong and durable, prevent product accumulation and are impervious to humidity. An access key is supplied to tighten the doors to prevent any leakage.







Minimum  
maintenance cost,  
**maximum**  
hygiene





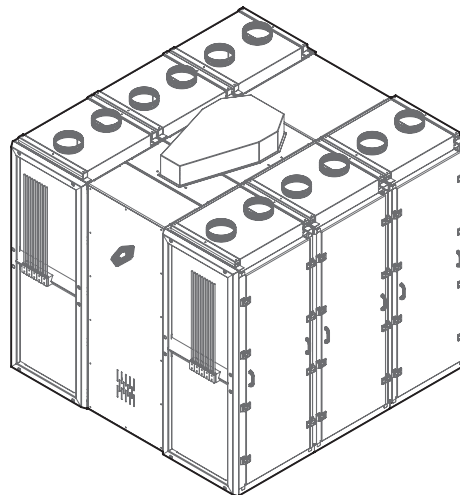
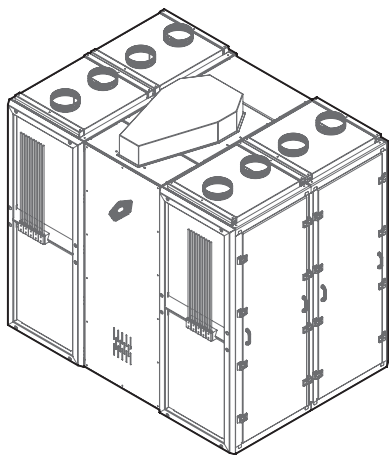
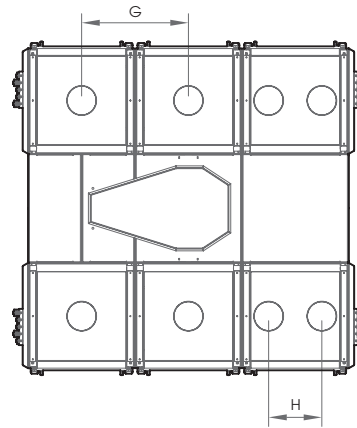
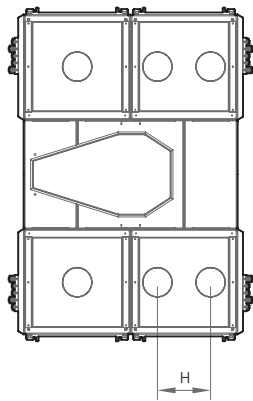
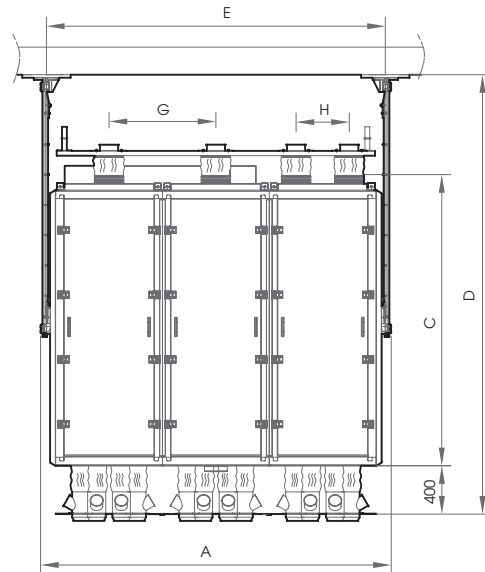
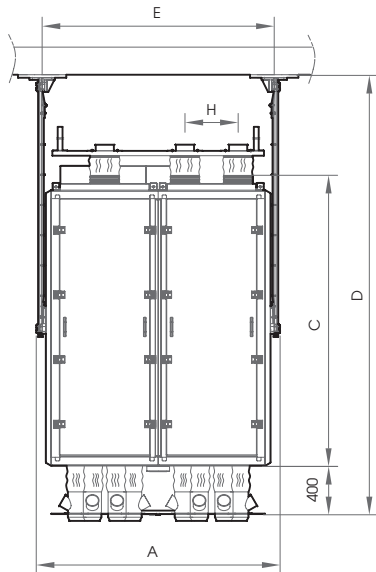




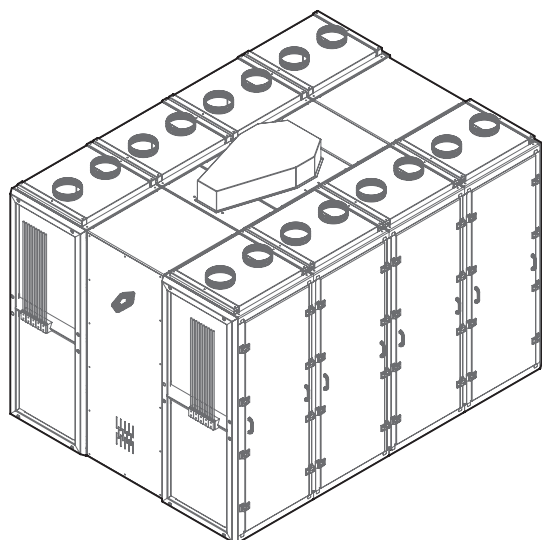
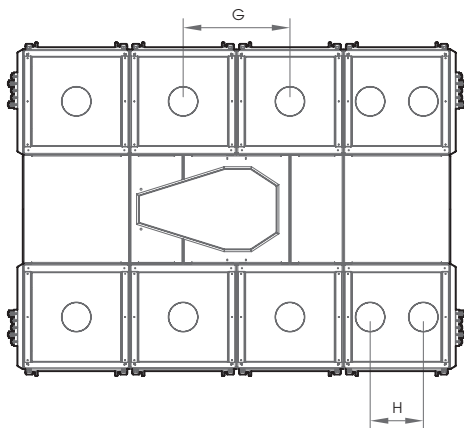
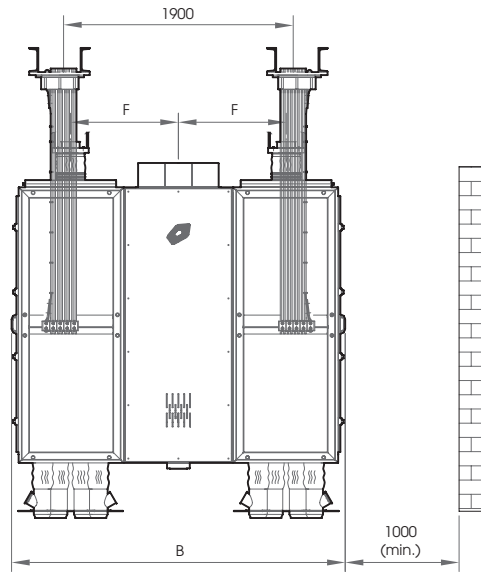
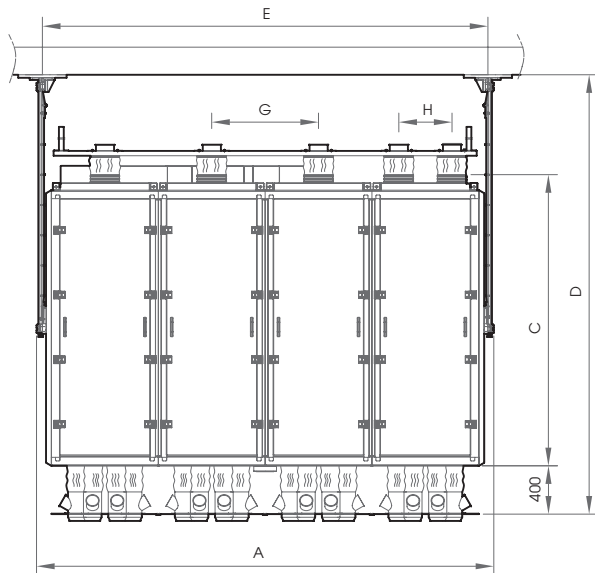




# Aurora New Generation Modular Plsifier







### Dimensions [mm]

Model	AURORA 430	AURORA 630	AURORA 830
A	2017	2900	3783
B	2760	2760	2760
C	2400	2400	2400
D <sub>MIN</sub>	3640	3640	3640
D <sub>MAX</sub>	5640	5640	5640
E	1920	2804	3686
F	892	892	892
G	884	884	884
H	440	440	440

### Technical Features

		AURORA 430	AURORA 630	AURORA 830
Number of Compartments		4	6	8
Number of Sieves per Compartment		30	30	30
Net Sifting Area In	Timber Typ N (m <sup>2</sup> )	35.6	53.4	71.2
	Frame Typ G (m <sup>2</sup> )	42.3	63.5	84.6
	Aluminium Typ N (m <sup>2</sup> )	40.3	60.4	80.4
	Frame Typ G (m <sup>2</sup> )	49.6	74.5	99.3
Power Motor with 6 - Poles (Kw)		7.5	7.5	11
Weights	Net	3550	4578	6343
	Gross Brut	3800	4850	7154
Gross Volume (m <sup>3</sup> )		18.1	25	32.2

# ALAPALA'S NEW STATE OF THE ART MILLING TECHNOLOGY.

Minimum maintenance cost, maximum hygiene.

**GA**  
GRUPPOALAPALA

 **Alapala**  
"Passion for milling since 1954"

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