

# SEMOLINA

## Purifier

The Semolina purifier is inserted into the milling diagram of soft wheat, hard wheat and corn for cleaning and classification of semolina obtained by the grinding process. The 24 sieves conveniently equipped are crossed over by the adjustable air flow generated by suction ventilators, allowing for the selection and qualification of the products according to granulometry and specific weight.



# NEXT GENERATION PURIFIER

## Semolina HP55

Evolved from the proven Semolina HP50, the Golfetto Sangati project team developed a next generation purifier with innovative features that place it at the top of its category for the accuracy in the classification of semolina, extraction efficiency, productive capacity and functional efficiency.

Considering that the classification process of semolina occurs primarily vertically by passing quickly through the sieves, our design team decided to modify the positioning of the sieve frames normally used in traditional purifiers to take advantage of this concept. By configuring the purifier to have four rows of superimposed sieves, each composed of three sieves, the separation efficiency of the semolina is considerably more precise. Furthermore, the purification surface of the HP55 has been increased by 10% due to utilizing 550mm square sieves. Despite the increase of the sifting

surface, the newly designed configuration of the sieves allowed the overall footprint of the machine to be reduced by 12%. In addition to saving valuable floor space within the mill, the reduction in size contributed to reducing the energy requirement for the eccentric movement of the machine.

Given the different internal distribution of the sieves and the reduction in machine length, the air flow distribution is much more uniform and more easily controlled across the length of the machine. To maximize the purification efficiency of the semolina, there are four air-flow adjustment points per sieve length on the Semolina HP55 which enables the miller to precisely control the air flow and maximize the performance based on the current mill operating conditions. This allows for an exceptionally high degree of accuracy when purifying the semolina.

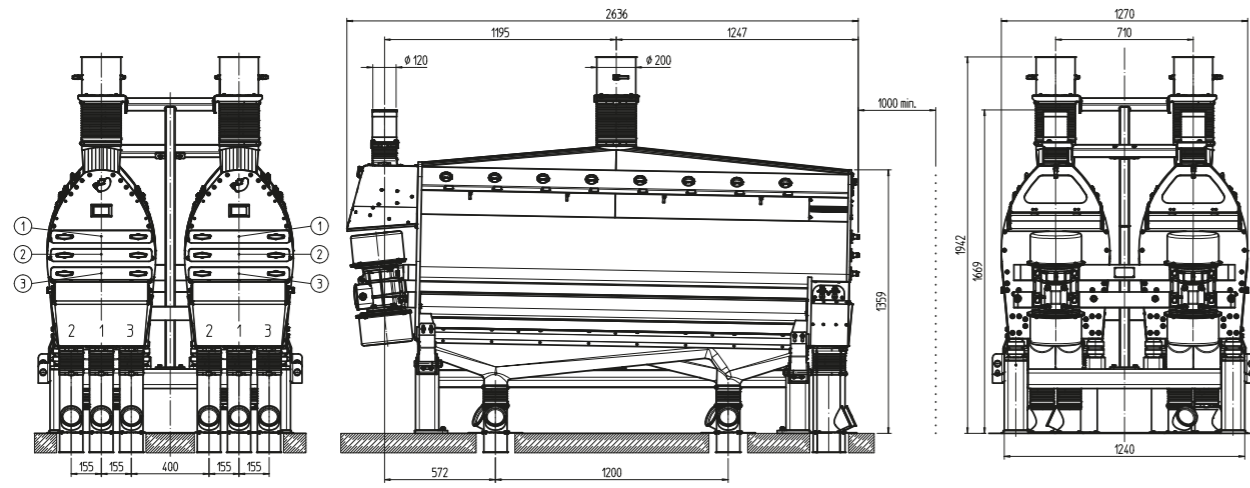
Semolina HP50



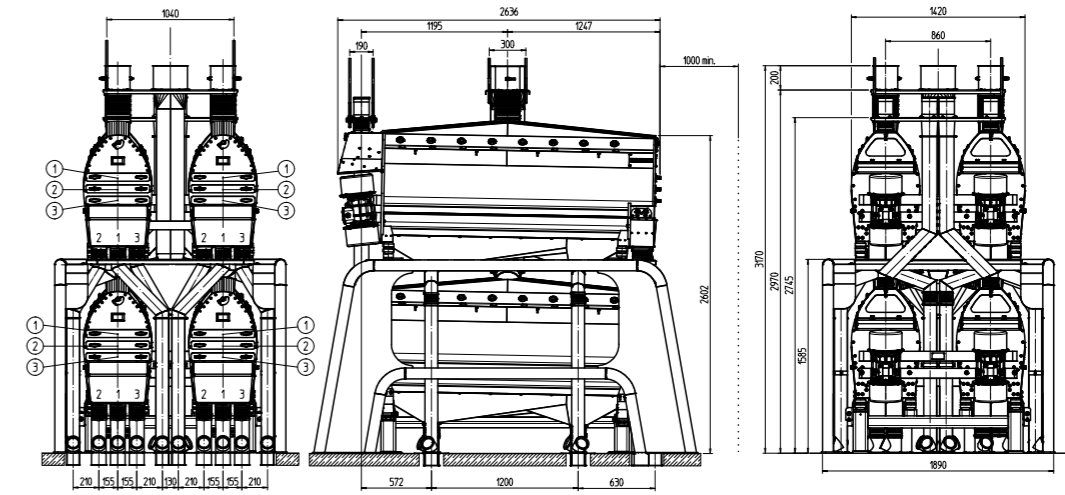
Semolina HP55



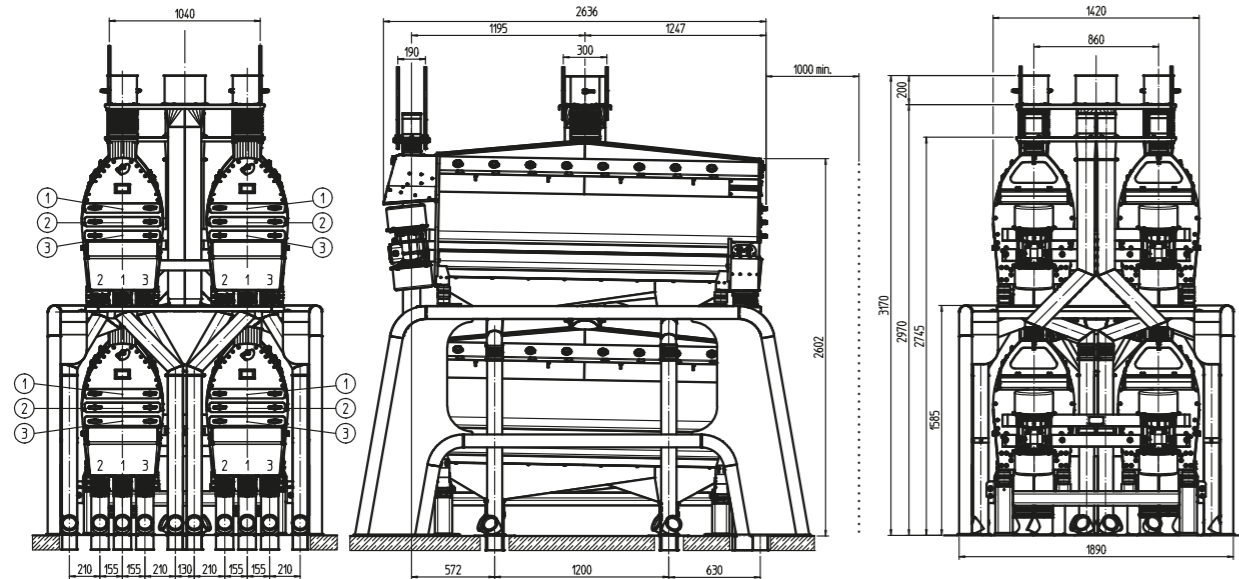
Semolina HP 50



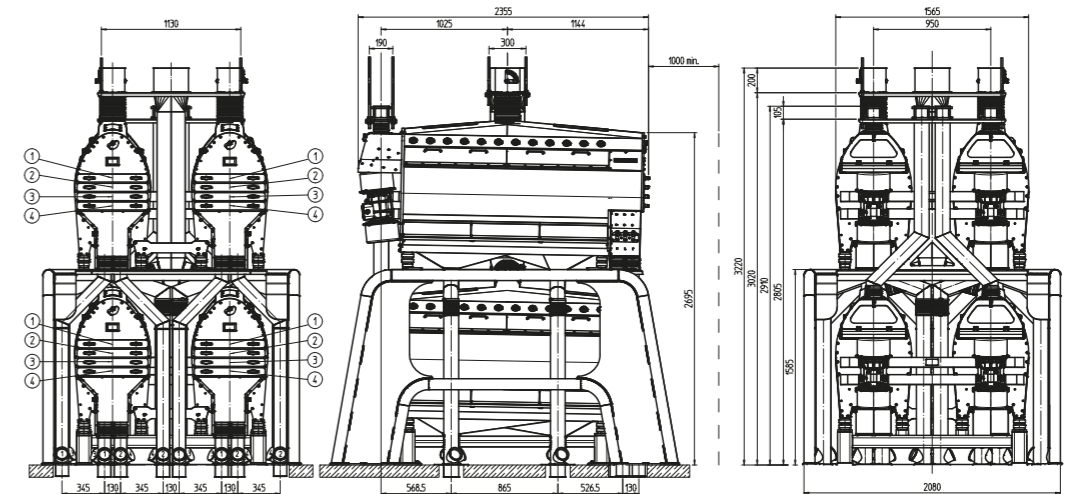
Semolina HP 50S



Semolina HP 55



Semolina HP 55S



Model	Num. of Frames	Frames Dim. mm	Height mm	Width mm	Length mm	Packaging m <sup>3</sup>	Weight Kg
Semolina HP 50	24	500x500	1942	1240	1050	5	1130
Semolina HP 50S	48	500x500	3170	1890	2636	2x5	3000
Semolina HP 55	24	550x550	1900	1350	2366	7.6	1150
Semolina HP 55S	48	550x550	3220	2080	3200	2x7.6	3000

Units = mm