

Centrifugal Sieve



Centrifugal Sieve Range

TO CONTROL AND PROTECT YOUR PRODUCTION LINE

PALAMATIC PROCESS centrifugal sieve or rotary sifter enables the separation of foreign objects from powders and granulates. A paddle assembly rotates at high speed inside a stationary cylindrical screen and the material passes through the static screen by centrifugal action. The waste material is ejected toward the outlet located at the end of the screen basket. Our centrifugal sieves guarantee high sanitation standards and the respect of the quality of the handled materials.

SPECIFICATIONS

- Completely tight
- Operates quietly, no vibration
- The mesh screen can be changed in less than two minutes
- High capacity
- Continuous operation
- Low energy consumption
- Online application on a process, possibility of implementation on the pneumatic conveying line
- Economic price



RS 200



RS 300



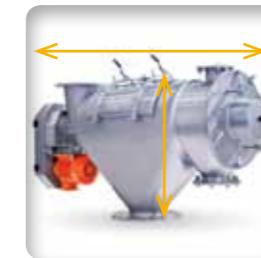
RS 400



Feeding screw under the inlet channel



Screen disassembly



Compact design



Access door

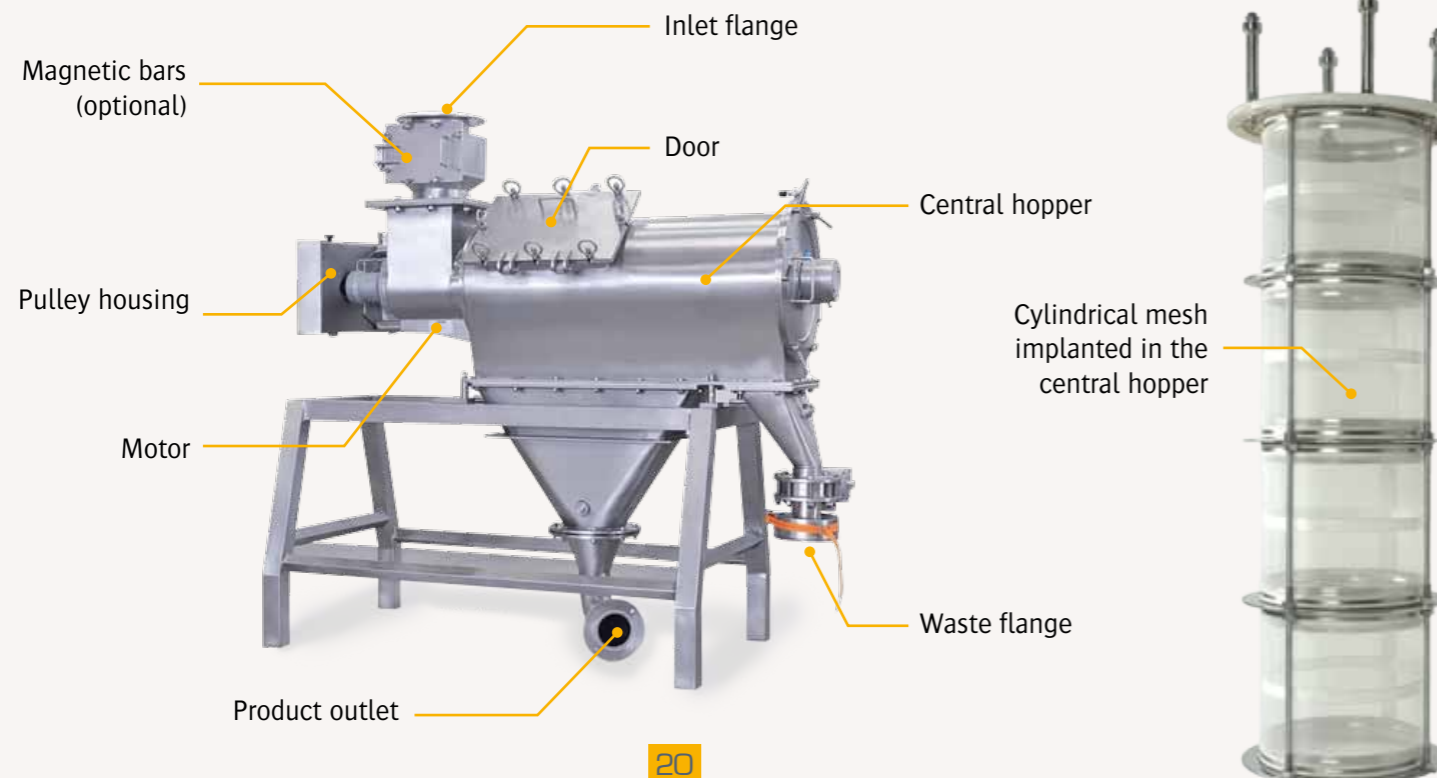
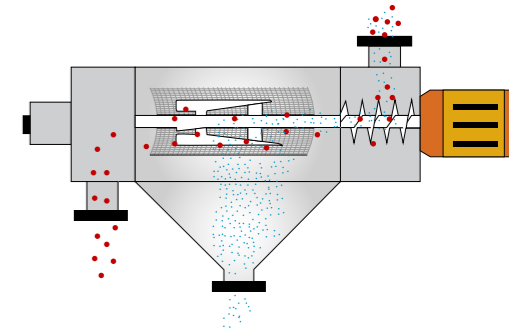
Advantages



Models	RS 200	RS 300	RS 400
Ø of the mesh in mm.	200	300	400
Height in mm.	944	1,034	1,034
Weight in kg	170	270	350
Electric power in kW	2.2	3.7	5.5

The main objectives of the centrifugal sieve ROTARY® is to eliminate foreign objects, reduce cloggings and operate a granulometric separation of products received in sacks or in bulk.

The ROTARY® centrifugal sieve guarantees clean end products, without clogs and free of contaminants. It protects your production line from potential mechanical damages. This sieve is the perfect solution to obtain a high-quality final product and suitable for feed and food, pharmaceutical, chemical or even synthetic industries.



Inside view



Waste outlet setting

Size in mm.	Capacity in t./h.*		
	RS 200	RS 300	RS 400
0.2	1.6	2.67	3.57
0.4	4.4	7.35	9.81
0.6	8	13.36	17.84
0.8	11	18.37	24.53
1	15	25.05	33.45
1.4	20	33.4	44.60
2	24	40.08	53.52
3	27	45.09	60.21
4	29	48.43	64.67

* These capacities are achieved with type 55 flour

Options



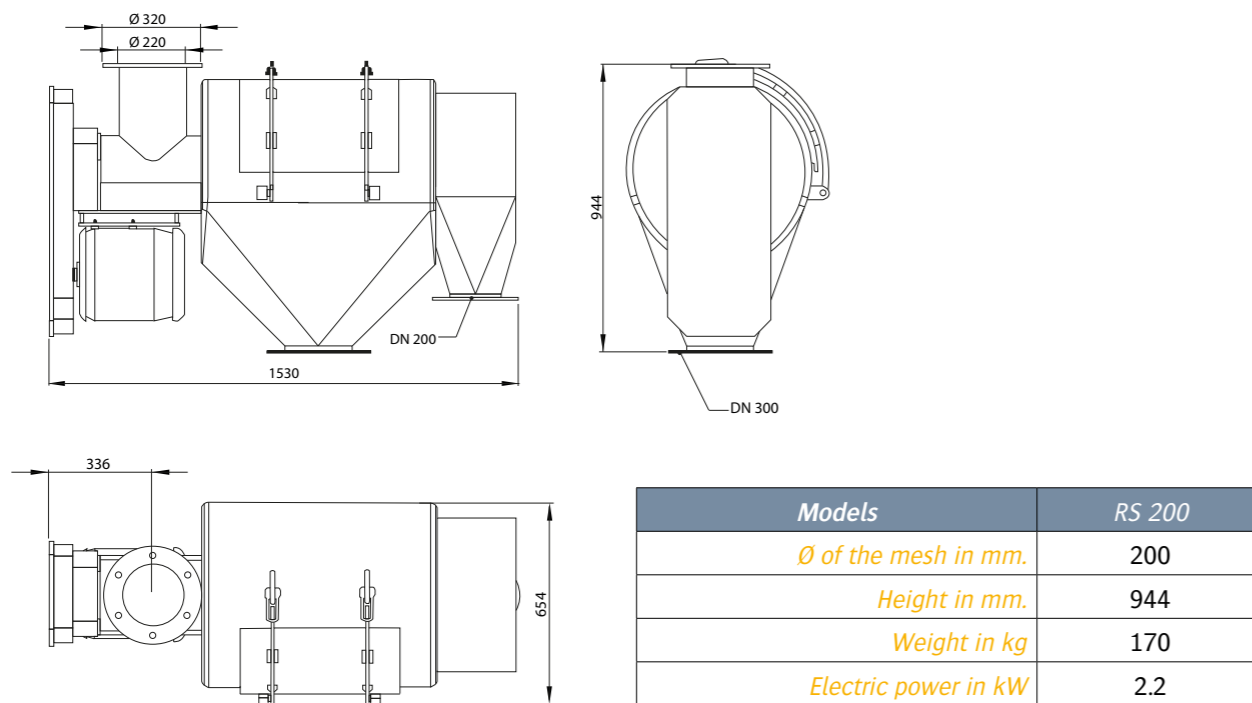
Disassembly guide



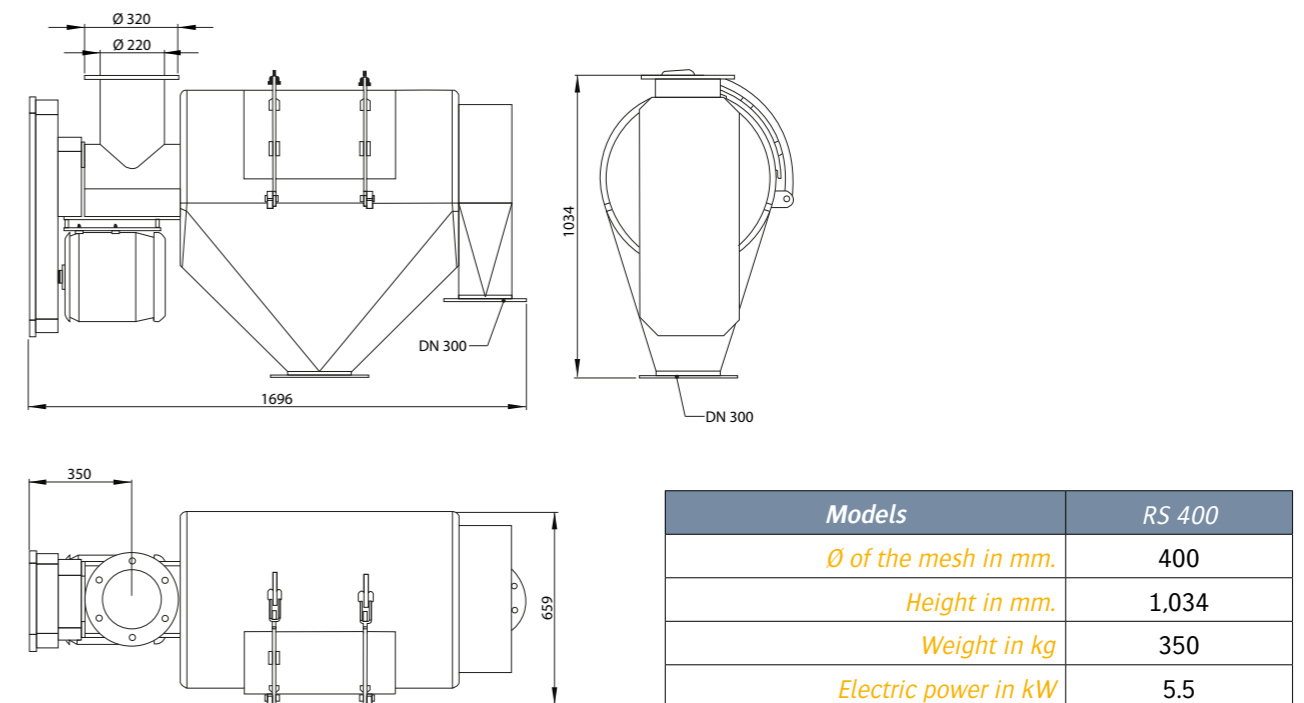
Mild steel, 304 L/316L stainless steel manufacturing

3 Standard Models:
RS 200 - RS 300 - RS 400

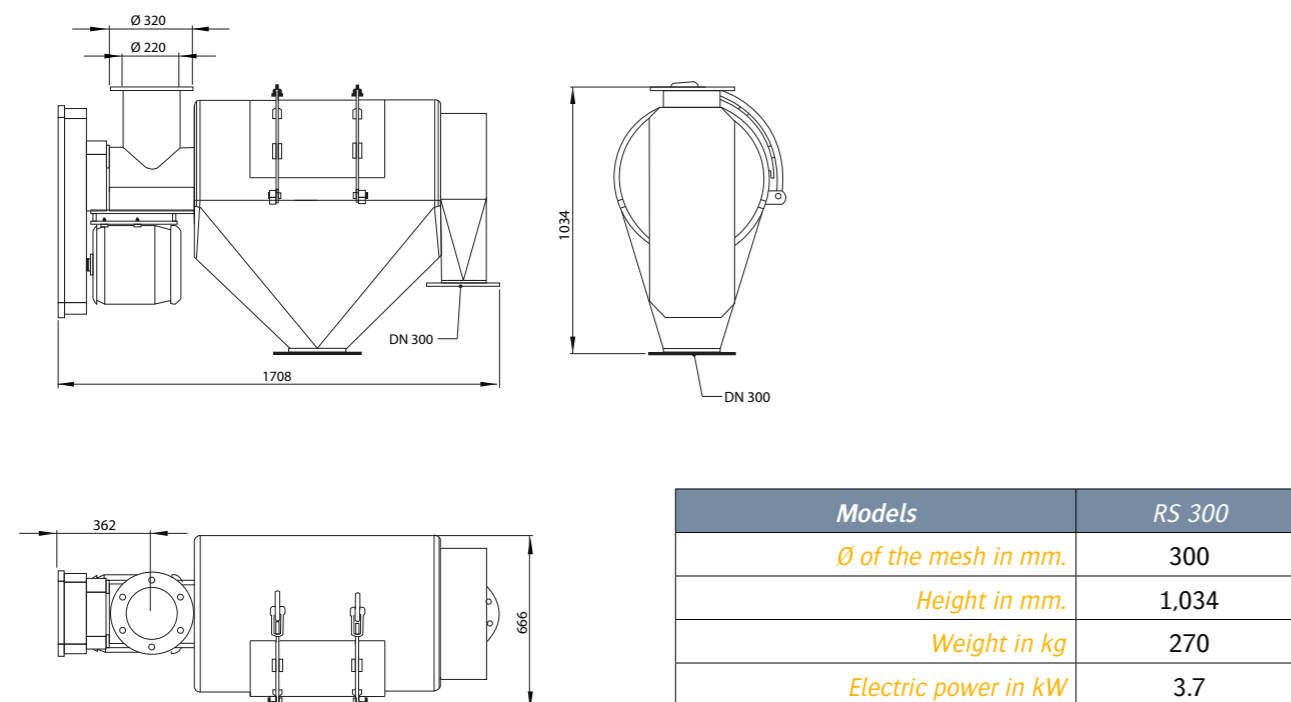
▶ CENTRIFUGAL SIEVE - RS 200



▶ CENTRIFUGAL SIEVE - RS 400



▶ CENTRIFUGAL SIEVE - RS 300

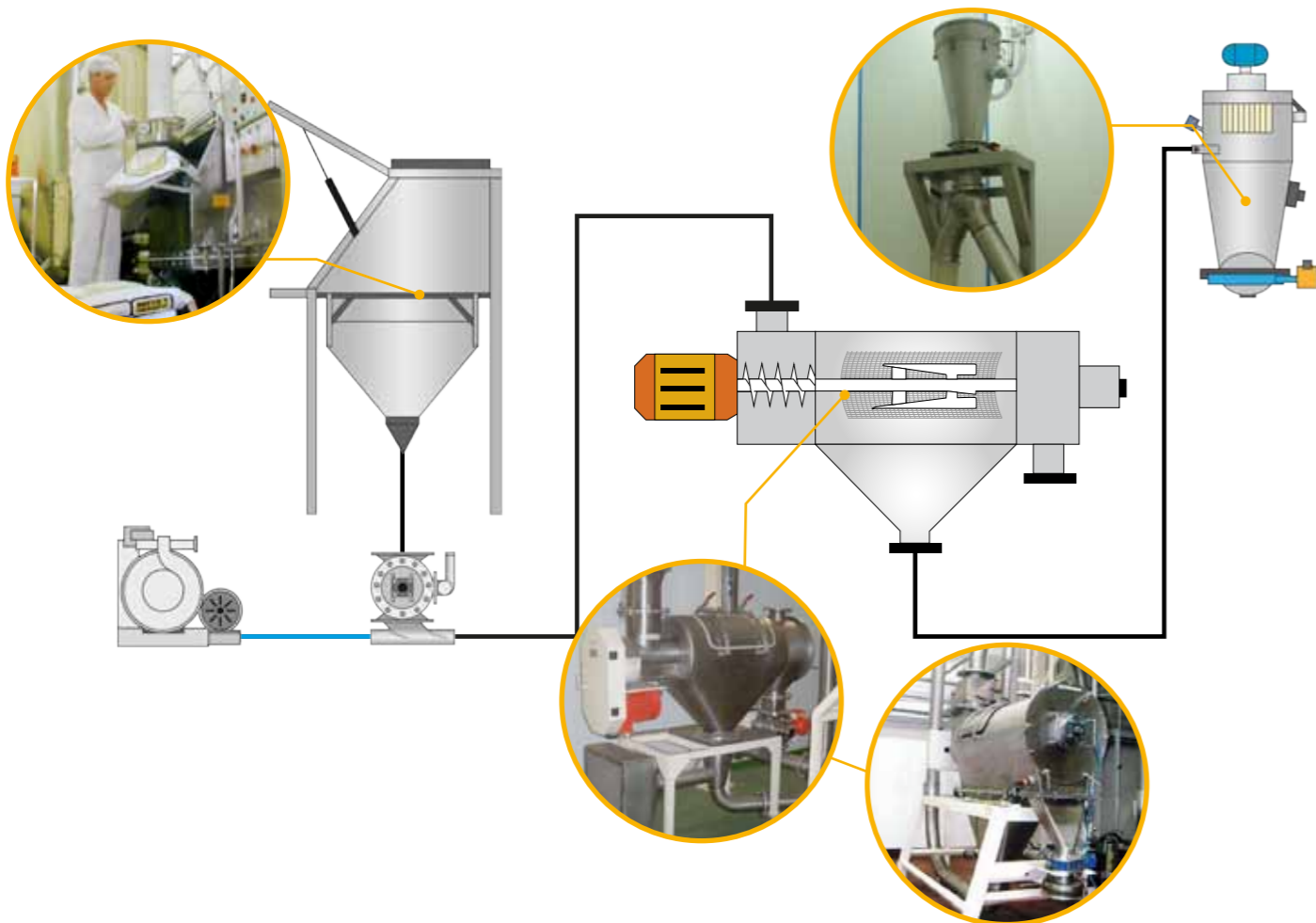


▶ GUIDE RAIL FOR THE RS 400 SIEVE

The design of the machine has been developed for a quick and assisted disassembling for an easy access to the sieve screen. The integrated guide allows a daily inspection.



▶ INLINE PNEUMATIC CONVEYING DESIGN



The centrifugal sieve design is totally enclosed and resistant to the pressure of the pneumatic conveying. The setting up of the screener on a conveying line involves very low pressure loss. The horizontal centrifugal sifter construction can be mounted at floor level and insures an easy access to the equipment.

▶ ACCESS TO THE MESH SCREEN AND CLEANING

The mesh is very easy to remove for cleaning or changing. The easy and quick access is crucial for operators in order to limit the time dedicated to cleaning and maintenance phases. PALAMATIC PROCESS sieve is highly ergonomic.



▶ INTERIOR VIEWS OF THE CENTRIFUGAL SIEVE



▶ EXAMPLES OF IMPLEMENTATIONS



Company: Energy sector
Product: Sawdust
Application: Sawdust sieving before introduction into the grinder to get a product free of contaminants.
Implementation: In the outlet of the big bag discharge station, the screener feeds the grinder loading screw.



Company: Spices
Products: Paprika, curry, pimento
Application: Sieving operation for security before conditioning.
Implementation: At the container outlet.



Company: Milling
Product: Flour
Application: To guarantee a product free of larvae. The end product is re-conditioned in sacks of 25 kg.
Implementation: Under the mill.



Company: Food sector
Products: Sugar, mesh screening 2 mm.
Application: RS 200 centrifugal sieve to feed the PALAMATIC PROCESS grinder (skid for icing sugar production).
Implementation: At the sack emptying unit outlet.