

NESTRO®

Sorting- and disposal engineering – Refuse utilization and disposal

Facts:

- Air sifter
- Separator lock
- Jet-Impulse-Filter
- Ventilation
- Chipping machine
- Pelleting-System
- Briquetting-System
- Container



Components ■ Products ■ Systems ■ Service

Sorting- and disposal engineering

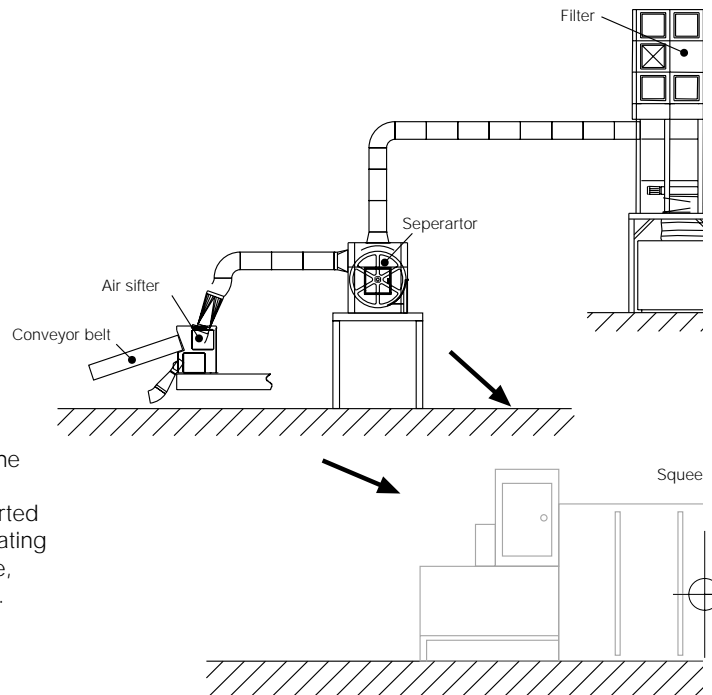
Since 1987, NESTRO has designed, projected and produced dust vacuum systems and filter systems for complete systems for the sifting of waste, sorting chambers and other dusty processes.

Plain air sifter

Plain air sifter consist of a hood for blowing and a hood for sucking. They can separate two different materials.

Closed air separator

First, the light material (foil, paper) is lifted pneumatically, and vacuumed up. Second, a stronger air stream that blows and separates the material in the middle (wood, plastics rests) from the remaining air stream. The material is transported on a conveyor belt and moved down by a separating plate. The heavy material (glass, ceramics, stone, concrete rests) is collected at the end of the line.



Separator lock

Separator locks are used to intercept and differentiate the light materials that are taken from the air stream. The lock is divided into vacuum and excess pressure air areas.

In the vacuum air part, the intercepted material is sucked in and transported to the boxes of the lock rotor. The rotational speed of the lock rotor is continuously adjustable and meets every task. The transport air escapes unhindered through the perforated side frames of the rotor.

The rotating separator is constructed to offer always two lock chambers for ventilation and separation in the lower vacuum area. When a lock chamber comes to this area, the separated material escapes from the lock chamber by gravity. This technology is safe in contrast to clay conveyor belt and even with long fibrous material. Flushing air backs the draining process to achieve an optimal throughput and a cleaning of the lock chambers.





Jet-Impulse-Filter

The Jet-Impulse-Filter is a secondary filter and is used to separate dust. It acts with clean and crude gas. The installation is freely configurable in modular elements.

The interval cleaning of the filter elements is done automatically inside the filter. The filter can be used 24h a day.

The filter unit consists of a filter plate, filter hoses and a first separation chamber. The kind of filter material depends on the extracted goods and the ventilation system.

The weather protection covering is the weight-loading element of the covering of the hoses as well. The special construction allows a systematic carriage of the exhaust air and the air led away, and the vacuum use of the installation. All necessary openings are with inspection doors, pressure relieve flap and air vent.

Ventilation of sorting chambers

NESTRO-Fresh-Air-Systems are all equipped with the necessary airduct and airoutlet, filters for air-conditioning and heating. Sorting chambers with cooler and cooling energy generator belong to the Nestro product range.

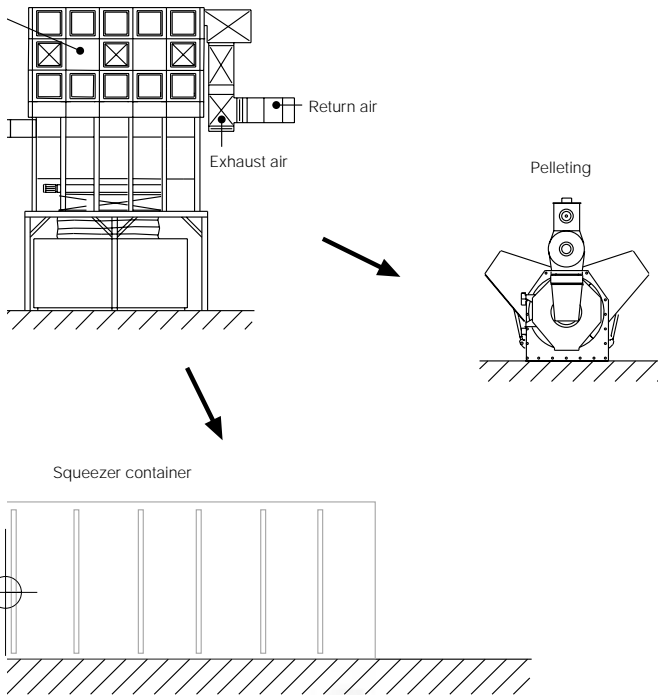
NESTRO-Vent-Systems are also infinitely variable and meet every task. Exhaust air is sucked through an axial ventilator in the pipe system and away from the chambers.

Your choice

It does not matter whether you decide to order a NESTRO-Complete-Solution or take just single NESTRO moduls to enhance your existing system. Your system gets even more effective.

For sure, you have specific questions regarding our product range. In a face to face meeting our specialists work together with you to find the optimal solution for your needs.

We are trend-setter, call now.





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