

cleaning

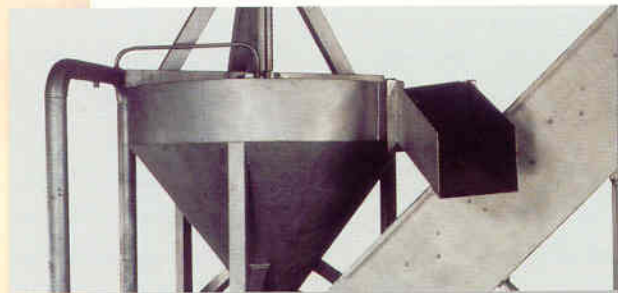
steaming

boiling...

our second nature



Cyclone destoner



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Cyclone destoner

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Machine description and operation

The machine separates materials which clearly have a different specific gravity. The product is fed into the top of the funnel shaped cyclone, which is completely filled with water. Water is pumped in at the bottom to create an upward flow, which in turn overflows at the top via an output chute. A rotary paddle creates surface flow and forces product floating on top to follow the cyclone before it leaves via the output chute. Small particles, will sink just before the outfeed chute.

The output chute is equipped with a dewatering section, which collects the water and returns it to the recirculation tank. Particles in the product flow with a higher specific gravity than potatoes (e.g. stones or metal particles) will sink to the bottom via the cyclone walls. The bottom of the cyclone, alongside the point where the water is injected, is fitted with a conveyor belt with carriers, which collects, transports and discharges heavy particles.

Application:

- Potatoes;
- Root vegetables, including beetroot, cabbages, etc.;
- Vegetables, including carrots and beans.

Major advantages:

- Maintenance-free machine;
- Low water consumption because of recirculation, very hygienic design;
- Pre-wash effect;
- Simple process management;
- Long residence time for improved separation;
- Simple to operate and maintain.

Options:

- Discontinuous stone removal;
- Water recirculation via a static sieve or other type of dewatering system.

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