

Screw de-stoner SO 50/250-R



SO 50/250-C



Operating principle

The screw de-stoner can be used in conjunction with all root crops. The integration of this system into a processing line dramatically reduces the potential for extreme wear and tear to associated equipment further along the installation. The screw de-stoner is constructed with a rectangular reception hopper with a vertical transport screw. The screw is driven by a reduction gearbox.

The circular water filled hopper receives the product to be de-stoned and in combination with the rotational action of the vertical screw auger draws the water and crop gently up the tube supported by the regular closed screw.

For a better separation of the sand out off polluted products, also a round reception hopper with cone can be used.

The rotational action raises the product allowing the water to gravitate down the side of the auger. Heavy particles with negative buoyancy remain on the bottom of the hopper. Clean product (without stones) are transported out off the upper side of the transport screw.

Capacity

The capacity of the machine depends on the size of the product, and can be max. 5 tons/hour (11,000 lbs/hr).

Features

- > simple and effective
- > no damage to the product
- > low water consumption (approx. 100 l per 1.000 kg / 12 gallons/1,000 lbs)
- > extremely durable, hard wearing and reliable
- > ease of access for cleaning

Options

- > collection bin for sand (only for SO 50/250-C)
- > different screw diameters
- > frequency converter

Product specification

With the screw de-stoner SO products like potatoes and carrots with a diameter of max. 200 mm can be processed.

Technical data

Voltage:	SO 50/250/R 230/400 V, 50/60 Hz, 3 ph	SO 50/250-C 230/400 V, 50/60 Hz, 3 ph
Total installed power:	1,5 KW	1,5 KW
Auger diameter:	500 mm / 20"	500 mm / 20"
Weight:	± 500 kg / 1,100 lbs	± 900 kg / 1,980 lbs
Dimensions:	L x W 1.400 x 1.000 mm (55"x39")	diameter 1.500 mm (59")
Height:	to be specified at ordering	to be specified at ordering

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