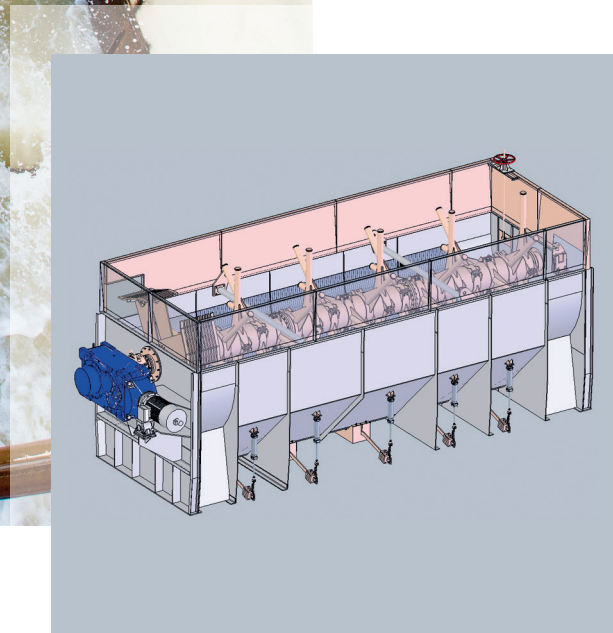




BEET WASHER





Application

Beet washer is installed in every sugar factory on the beet transport and conditioning line. It is used for final and thorough cleaning of beets before feeding them to the cutting process. The equipment used in the beet washer scrubber depends on the degree of purity of beet and the location of the device in the technological line.

Design and principles of operation

The beet washer consist of a long outer casing with a semicircular bottom. The horizontally installed shaft with fixed arms rotates inside the washer that is filled with water and beets. The beets are constantly mixed and moved towards the outlet. A sieve mounted in the bottom of the casing catches sand transported together with the beets. Sand falls through the holes of the sieve and is collected in pockets from where it is periodically removed by sand traps. The efficiency and capacity is controlled by the rotation of the shaft using an inverter. The discharge arms installed in the final section feed the washed beets to the next equipment in the process line. The washer works in a continuous way. Optionally, it can be equipped with stone traps to capture stones. The sluice system of the traps is controlled by a hydraulic unit.

Technical specification

CAPACITY	t/d	8 000	10 000	12 000
LENGTH OF BEET WASHER CHAMBER	mm	10 000	11 000	12 000
WIDTH OF BEET WASHER CHAMBER	mm	3 600	3 600	4 200
SHAFT ROTATION	1/min	6,7 – 10		
POWER	kW	75	90	110
VOLTAGE	V	400		
NUMBERS OF DISCHARGE ARMS	–	4 ÷ 5		
WEIGHT OF BEET WASHER	t	47	50	55