



## Vegetable Washing Machine, Model: VWM-5000

<http://www.jegerings.com/en/>



## General

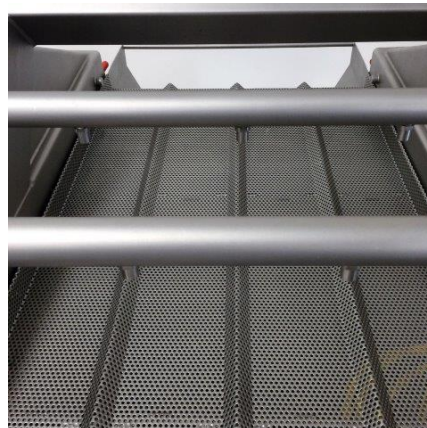
The VWM-5000 VS is designed for small and medium-sized vegetable processing companies. The machine perfectly suits with the BCM-3000 belt-cutting machine. The VWM-5000 VS comes standard with a fly-catcher. The product has to be thrown (manually) into the washing tank, or is transported to the washing machine on a conveyor belt. In the washing tank, the vegetables are washed very intensively by a system of a powerful 11 kW pump and water nozzles in both side walls (for circulation) and in the back headboard (for propulsion). The products are submerged by a big drum (flycatcher) as well. Due to the perforated flycatcher, insects (floating) will be filtered out and removed. In case of products without any insects, the flycatcher can be tilted to the front during the washing of the products. This can also be done for cleaning the machine.

Subsequently the vegetables will be transported over the vibrating sieve. Here the vegetables get an extra 'shower' with clean water by the sprinklers. The overflowing water is removed through the perforated soil to the filter tank. All the sand and vegetable leftovers are filtered out through the standard mounted fine mesh drum filter, whereupon the water is recycled to the washing tank. The filtered waste can be collected under the drum filter in a waste bin.



### [Video high capacity processing line](#)

Optional Jegerings.com also has a VWM-5000 CB (Conveyor Belt) available. This execution has a conveyor belt with a fine mesh belt instead of a vibrating sieve. The machine will usually be used for delicate (leaf) vegetables, to prevent damaging the product. The mesh belt is powered by a SS drum motor and a SS pulley. Besides, a compressor with blowpipe is mounted to continuously clean the mesh belt.



## Washing and mixing

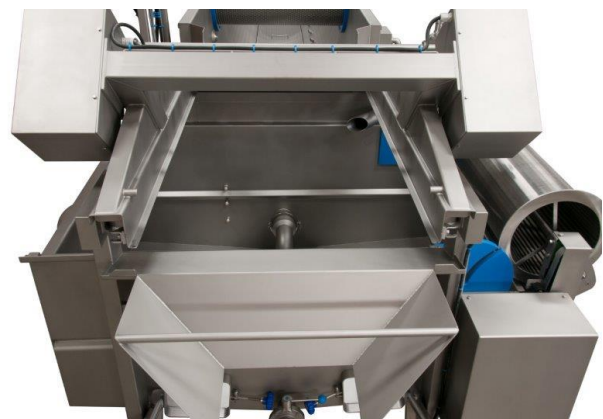
- The machine is suitable for thoroughly washing both floating and sinking fresh-cut vegetables.
- The machine can also be used for mixing salads. The whirl and flow can be adjusted separately with butterfly valves. So the vegetables can be mixed homogenously (only whirl) and afterward, after opening the butterfly valve for flow, transported out of the machine through the vibrating sieve conveyor.

## User-friendliness

- The machine is even for uneducated employees easy to operate:
- Stainless steel switch box with on and off buttons for pump, vibrating sieve, and fly catcher, emergency stop and main switch.
- Water level: the machine fills itself automatically with water. The fluid sensors in the filter tank control the water level permanently and supply automatically when necessary.
- All valves are stainless steel butterfly valves, which are easy to operate and can be put in any position to regulate the water flow. Also the butterfly valves will not be jammed by sand.

## Sustainability

- The machine is completely made out of sustainable stainless steel. All technical components are only from renowned brands.
- All technical components like the pump, vibrating motor and electrical components are in stainless steel covers. So the components are perfectly protected against water.
- The machine is completely built in our own factory, and we are proud to call it a true Dutch quality product!



## Cleaning / hygiene

- The perforated bottom plate of the vibrating sieve can be easily dismantled with using of fast pre-tensioners.
- The screen plate and bulkheads of the filter tank can be removed easily.
- The screen plate of the washing tank can be removed easily.
- The fly-catcher can be hinged upwards with the help of a gas spring.
- The drum filter can be tilted outwards
- All piping parts can be dismantled very quickly - and without tools - by means of tri-clamps. They have no screw thread on the pipe-ends, and because of that they are much more hygienic than the common used dairy fittings (nut/coupling nut).



- Because of the use of tri-clamps, butterfly valve, and high quality welding, all piping and fitting complies to even the strictest demands and regulations which apply in the pharmaceutical and dairy industry.
- Because of the smoothly finished surfaces and the lack of 'dirty angles', the machine can be cleaned quickly, radically and hygienically.
- All external wiring is bundled nicely on stainless steel rods, so no dirt stays on.

## Safety

- When the water supply stagnates and the water level drops down below the minimum, the pump will be switched off by the low water level protection (fluid sensors), and will be switched on again when the minimum level is reached.
- Safe 24V secondary circuit.
- Emergency switch on main switch box and on the fly catcher.

## Technical applications and dimensional drawings

Page 6, 7, 8 and 9 show the dimensional diagrams.

**Capacity:** up to 2000 kg/hour, depending on pollution and specific gravity.

**Electrical data:** 3 Ph +96 N + A / 400 V / 50 Hz / 12,97 kW / 22,97 Amp.

**Power:** 12.97 kW.

**Dimensions (LxWxH):** 5450 x 1800 x 2130 mm.

**Input height:** 1300 mm.

**Weight:** approx.. 1300 kg

**Water capacity:** 2000 L

**Water connection:** ¾" hose for filling, ½" hose for after sprinkling.

**Water drainage connection:** 2 x diam. 85 mm

## Prices

**VWM-5000 VS** (with vibrating sieve) standard execution, including: on request

- Vibrating motor in stainless steel covers
- Fly-catcher

### *Optional*

- ACBM electrically powered SS carousel for 3 centrifuge baskets on request
- HCB-600-TS hygienic through-shaped conveyor belt on request

**Delivery time:** 8 – 12 weeks.

**Delivery:** ex. Works Deurne / the Netherlands. Packaging and transportation excluded.

**Guarantee:** 1 year, outside the Netherlands only on spare parts.



