



## VEGA CTW

### **A combination of rotary screen filtration, heat recovery, water recovery and PH-control.**

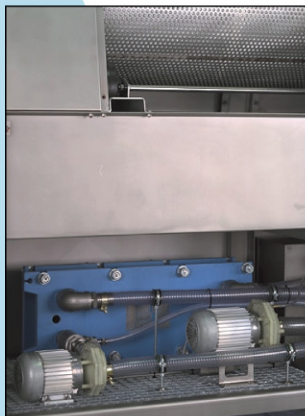
The rotary screen filter, with a length of 2.000mm, can handle a capacity of up to 15 cubic metres per hour and is self cleaning. Water goes through the filter and the dirt comes out at the end of the drum.

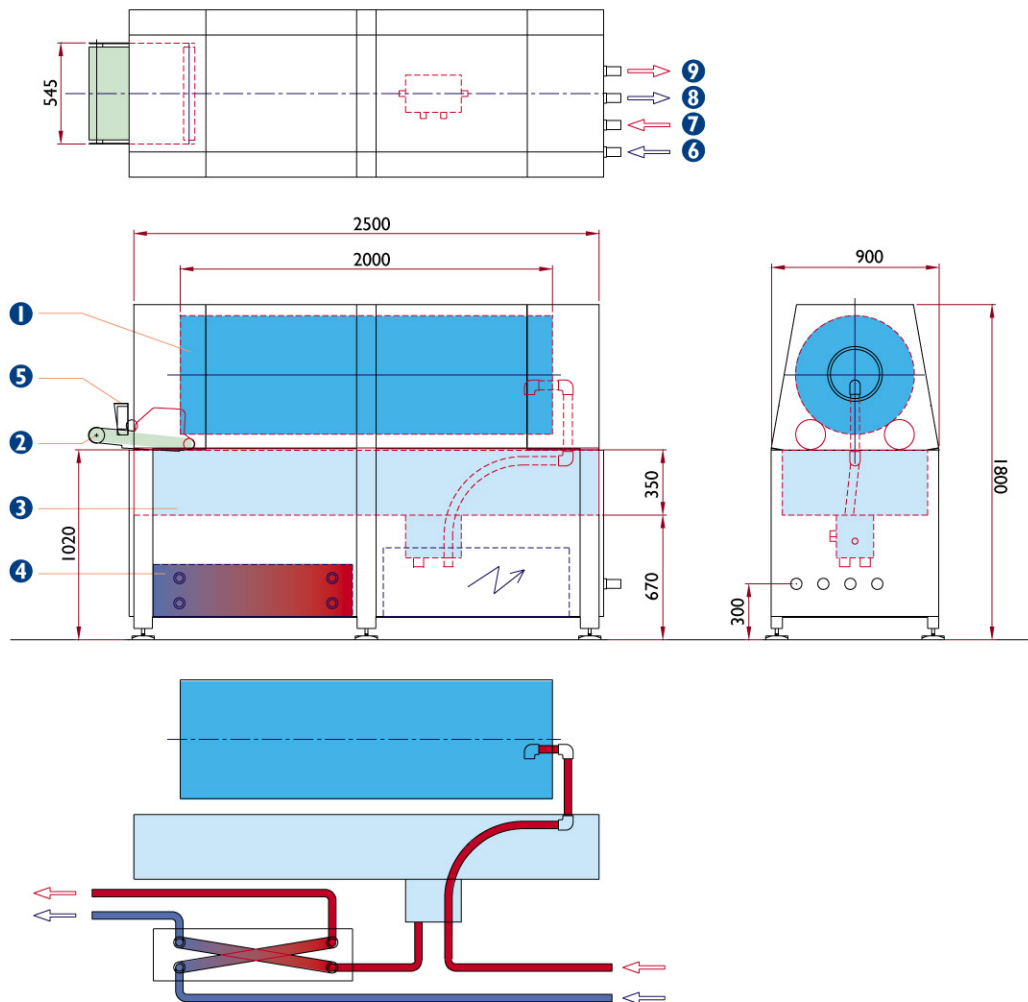
After filtration, up to 50 microns depending on the throughput of the exchangeable filter, the filter water goes in to an internal reservoir of 600 litres.

From the internal reservoir the filtered water is pumped through a heat exchanger with a flow of 15 cubic metres per hour. At the same time fresh water is passed through the heat exchanger in counterflow using a frequency controlled pump.

A PLC-system controls the incoming and outgoing temperatures, the flow of waste water and fresh water, as well as PH control. All data records are stored and can be transferred to a central computer.

The whole VEGA CTW is made intirely of stainless steel and built to meet CE Regulations.





### 1 ROTARY SCREEN FILTER:

Consists of a stainless steel perforated drum, supported by four maintenance free rollers and a replaceable filter.

### 2 CONVEYOR:

All the waste emitted by the rotary screen filter falls onto the conveyor. The conveyor is mounted on an incline so that the dirt is transported out of the machine and any free water runs back into the internal reservoir.

### 3 INTERNAL RESERVOIR:

Two level switches control the internal reservoir of 600 litres. All connections are underneath the reservoir.

### 4 HEAT EXCHANGER:

The heat exchanger is mounted directly underneath the internal reservoir. Cold fresh water is pumped through the heat exchanger from one side. From the other side, in counterflow, the filtered water from the internal reservoir is pumped through the heat exchanger.

### 5 PLC CONTROL PANEL:

The VEGA CTW works completely automatically. When flow commences the machine will start. All components, PT-100, flow switches, water valves, pumps and motors are controlled from the integral control.

6 Fresh water in connection : 2" BSP.

7 Waste water in connection : 2" BSP.

8 Waste water out connection : 2" BSP.

9 Fresh water out connection : 2" BSP.

Length : 2.750mm.

Width : 900mm.

Height : 1.800mm. +/- 25mm.

Weight : 750 KG.

Weight during operation : 1.350 KG.

Capacity VEGA CTW : up to 15 m<sup>3</sup>/hour.

Internal reservoir volume : 600 litre.

Pressure drop over CTW : 0,5 Bar.

Electrical consumption : 2,5 kW, 16 Amp.

Electrical source : 3x400V+0+E, 50 Hz.



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