

- **Application**

El **The VCS deaerator** is a sanitary equipment designed to eliminate air bubbles and increase the concentration of any type of fluid. There are innumerable processes, both food and chemical, where the presence of air must be eliminated for aesthetic reasons in the final packaging of the product or for its correct preservation in order to avoid oxidation. The VCS deaerator is ideal for working with **high viscosity** fluids, such as **honey**.

The operation of the deaerator is based on subjecting a thin film of product to a vacuum that bathes the walls of the tank in such a way that any air bubbles that the fluid may contain are broken. Subsequently, the final product, free of air, is evacuated through the lower part of the tank by means of a positive displacement pump (in the case of viscous products).

This equipment can be used both for deaerating individual batches in mobile tanks and for large batches in continuous operation.

- **Design and features**

The VCS deaerator is a compact unit mounted on a tubular base.

It optionally includes an improved aroma recovery system. This optimised processing technique with aroma recovery maximises the retention of colours and the most volatile flavour components, giving the final product a superior quality.

The vacuum tank has a capacity of up to 1,000 litres and is equipped with connections at the top adapted to attach 2 rotating cleaning balls for optimal cleaning of the equipment.

The vacuum system allows different configurations:

- With water recirculation with cooling.
- With continuous water supply.

The services to be provided to the equipment are: tap water, cold water and control air.



- **Technical specifications**

Materials:

Product wetted parts	AISI 316L
Other steel parts	Stainless steel. AISI 304L
Product wetted gaskets	EPDM, NBR, FPM, ...

Surface finish:

Internal	2B, with clean and polished welds $Ra \leq 0.8 \mu m$
External	Matt or satin

Operating limits:

Capacity	500 - 6.000 kg/h (depending on fluid viscosity)
Maximum working pressure	- 0,95 bar
Working temperature	90°C

Connections:

DIN 11851
SMS

- **Mounting options**

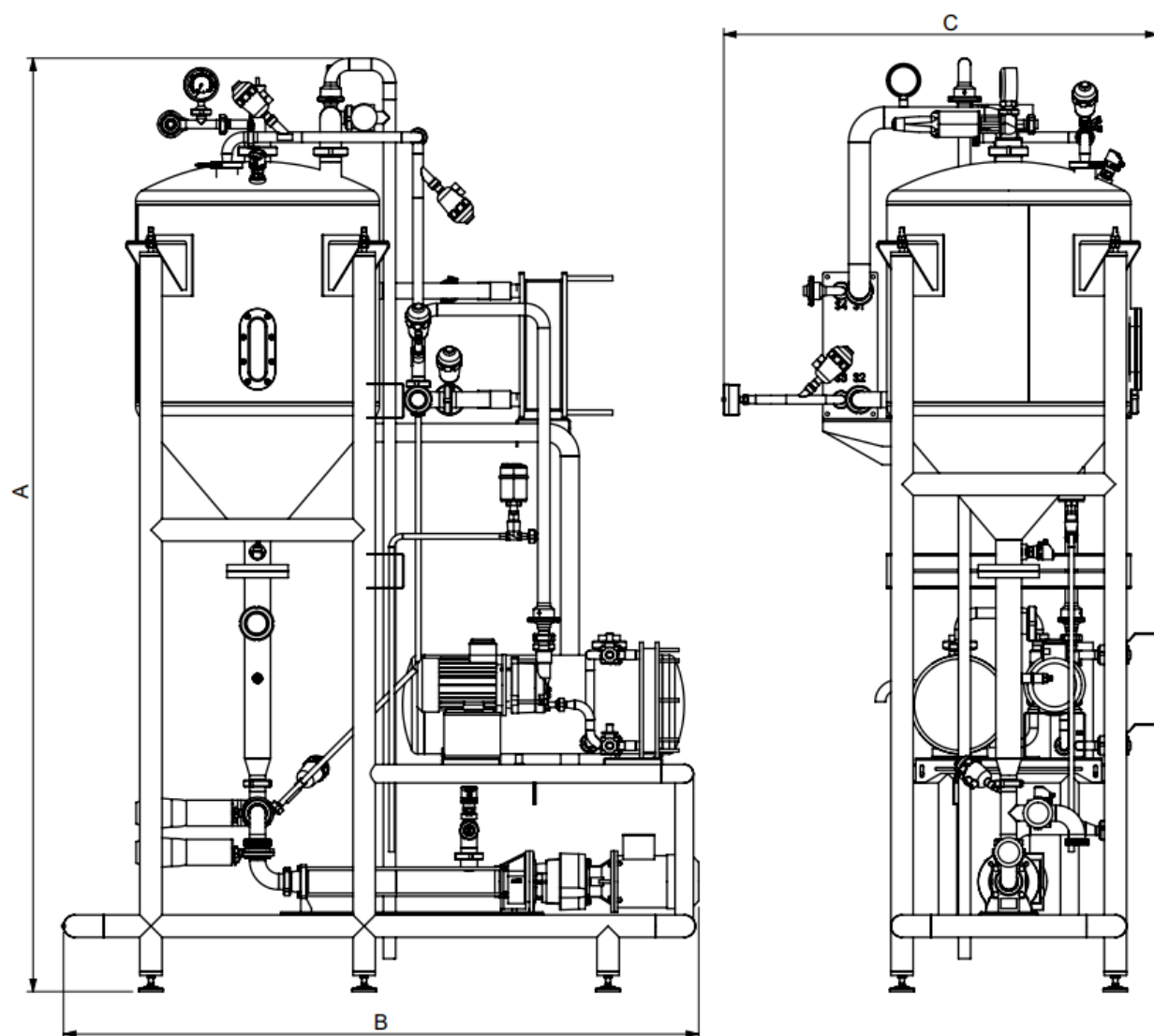
Different types of assemblies are offered:

Mounting	Description
CRA	With aroma recovery
SRA	Without aroma recovery

Mounting	Description
RAE	With water recirculation with cooling
ACA	With continuous water supply



- **Dimensions**



Mounting	A (mm)	B (mm)	C (mm)	Weight (kg)
VCS	3100	2100	1400	1.200

Information for guidance only. We reserve the right to modify any material or feature without prior notice. Non-contractual photos.

