

Boiling vessel, fitted with scraper positioned inside, having screw blades for the non-stop cleaning of exchange surface and product homogenizing during concentration phase.

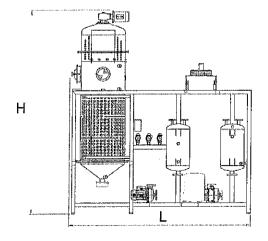
High performance heat exchanger, positioned outside the boiling chamber, cast-in lined.

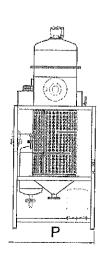
Upper condensation steam section, fitted with heat exchanger and cooling circuit.

Digital and analogue control instrument for the automatic monitoring of the system.

b. Technical characteristics

		ECO 250 VR-HP
Nominal flow rate	I/h	10.5
	L/24h	250
Installed power	kW	3.5
Operating Voltage	V	400V
Frequency	Hz	50Hz
Protection degree	IP	54 No-Ex Zone
Service conditions:		
Ambient temperature	°C	10° ÷ 35°
Relative humidity	%	80%
Installation area		sheltered
Compressed air pressure	bar	7
Condensate outlet temperature	T°C	20°
Concentrate outlet temperature	T°C	35-40°
Indicative dimensions	LxPx H/mm	2100 x 850 x h1800
	net weight/kg	400







High-Performance Vacuum circuit

- Centrifugal pump in AISI316 - never in contact with the product to concentrate - connected ECO elector system

 Chilling tank with internal heat exchanger made in austenitic steel SS 1.4401-1.4404 AISI316L for automatic vacuum circuit cooling

Dedicated piping and pneumatic and manual valves made in SS 1.4401-1.4404 AISI 316

Sight glass

Heat Pump

- Principal compressor compressing the refrigerant R407C

 Expansion circuit for refrigerant cooling complete with High efficiency finned under-cooler with axial fans, expansion valves, flow indicators, dewatering filters, safety instruments, high and low pressure switches

Concentrate circuit

- Automatic and continuous concentrate discharge by a peristaltic pump. Flowrate is regulated by PLC

Special functions and Control system

Antifoam circuit with automatic antifoam dosing function

- Cleaning circuit for the automatic inflowing of water or washing solutions with no manual action

- PLC and Control Panel: SIEMENS

