

PARTNER IN STAINLESS STEEL

KHTEC®



efficient | innovative | user-friendly

VinOsmo RO

The must concentration system

Richer wines as a result of grape must concentration
by means of reverse osmosis



FOOD



BEVERAGE



WINE

FEATURE

By means of reverse osmosis, water is extracted from grape must across finest membranes with the objective of improving the wines' quality and equalising differences in certain vintages.

The membranes' finest pores allow water molecules to pass, whereas those substances of must that are responsible for its aroma and colour are retained. As a result, the grape must is fortified and its body and fullness are increased. Up to 20 per cent of water is extracted from the grape must which will distinctly improve the quality of the future wine. As the membranes are permanently overflowed, plugging of membrane pores is prevented. This enables a continuous mode of operation. Due to the exact tuning of the system's components, e.g. pumps, membranes, fittings and piping, the VinOsmo RO system allows for a very gentle procedure.



THE VINOSMO RO'S ADVANTAGES

- most gentle procedure due to minimal energy expenditure
- high permeate performance
- convenient operation of the system
- compact design, small-type systems are also available
- best value for money

SYSTEM DESCRIPTION

- mobile stainless steel frame
- stainless steel pressure pipes
- high-pressure pump, 80 bar
- pre-filter
- needle valve to adjust pressure
- system control with pre-selected permeate and safety functions
- stainless steel control console
- inlet and outlet fittings on demand

SIZES AND SPECIFICATIONS

Type	Performance	Power consumption	Number of modules	Dimensions (appr.) (length/width/height)
Vin Osmo RO 50	50 l/h	2.5 kW	1	1300x620x1000 mm
Vin Osmo RO 100	100 l/h	5.5 kW	2	1300x800x1200 mm
Vin Osmo RO 200	200 l/h	5.5 kW	4	1300x800x1200 mm
Vin Osmo RO 300	300 l/h	5.5 kW	6	1300x800x1200 mm
Vin Osmo RO 400	400 l/h	7.5 kW	8	1300x800x1700 mm
Vin Osmo RO 600	600 l/h	7.5 kW	4 x 8"	2800x800x1400 mm

further sizes on demand



Small-type system with 50 litres of water extraction per hour

COMBINED PROCEDURE*

Combined with other systems, e.g. ion exchanger, the VinOsmo reverse osmosis offers the possibility to eliminate wine faults such as "volatile acidity". Outside the EU, wine is in many cases fortified in order to improve its body and fullness. Here, swift sensory results compared to must concentration are advantageous.

* not permitted in the EU

INNOVATION

As of now, the systems of our VinOsmo range can be used for both must concentration and partial dealcoholisation. This will give you the possibility of applying two procedures with only one system. Additional costs of acquisition will not apply. As a matter of course, the combined systems are also equipped with the proven high-grade components of the VinOsmo range.

Please contact our beverage experts for further details.

KHTEC®

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