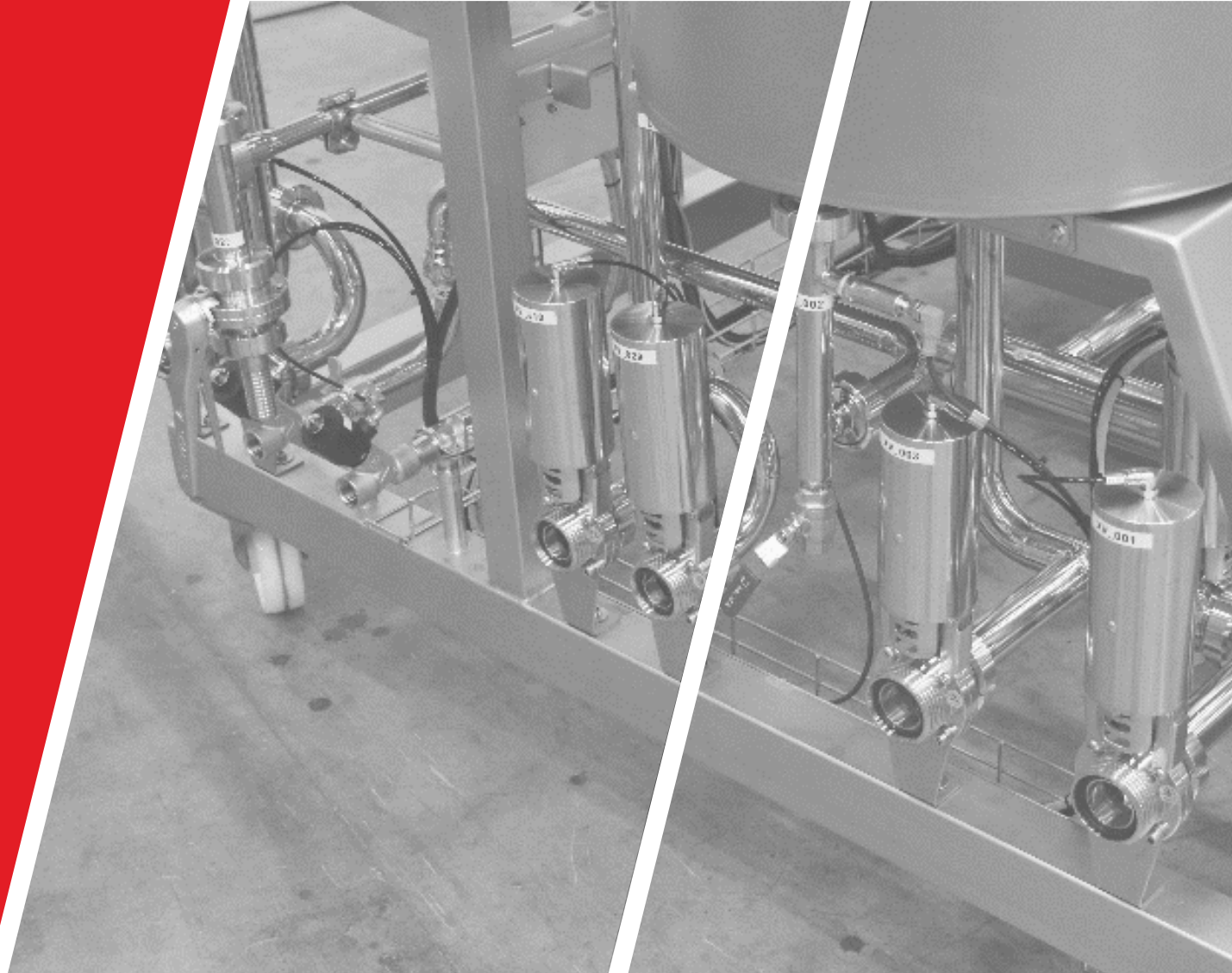


MOVIRO

Reverse Osmosis System for wine



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KEY HIGHLIGHTS

Della Toffola Group is a world leader in the design and construction of technologically advanced solutions for every step in the winemaking process.

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PRODUCTIVE
UNITS

8

BRANCH
OFFICES

600

EMPLOYEES

80%

EXPORT

190.000

SQ M

140M €

TURNOVER



MAIN FEATURES

REVERSE OSMOSIS SYSTEM FOR WINE AND JUICE

MOVIRO reverse osmosis systems for winemaking use spiral wound membranes, produced by Della Toffola, for ultrafiltration, nanofiltration and reverse osmosis applications.

VERSATILE & FLEXIBLE

MOVIRO come in **manual, semiautomatic and fully automated versions** in different sizes from 4 to 24 or more membranes, 4" or 8".

USER FRIENDLY

MOVIRO are really **user-friendly systems, easy to be trained on.**

LESS SPACE / LESS COST

The systems have **limited overall dimensions** and installed power as well as low **specific power consumption.**



MAIN APPLICATIONS

- Color concentration in juice and vinegar
- High concentration of acids in vinegar to produce balsamic vinegar
- Juice concentration to increase sugar and other components content
- Volatile acidity and acetaldehyde adjustment
- Brett taint removal (4EP-4EG from *Brettanomyces*/*Dekkera* contamination)
- Smoke taint removal

FURTHER APPLICATIONS

VOLATILE ACIDITY ADJUSTMENT

The process come through a **concentrator (reverse osmosis)** and an **anionic resin system**.

With the RO membranes you will get an idroalcoholic solution (permeate) basically containing EtOH and acetic acid. Passing through the resins weak acids will be adsorbed from the permeate, without altering the alcoholic and aromatic profile.

These two equipment work in synergy and must be sized correctly according to the installed membranes properties.

BRETT TAINT REMOVAL (4EG-4EP) (BRETTANOMYCES/DEKKERA)

Composed of two systems working in synergy: a **concentrator (Moviro)** and a **resin system**.

In this case as well, the permeate obtained through Moviro is sent to the adsorbant media where it passes through the resins and the **4-ethyl-phenol compounds are withheld**.

DEALCOHOLIZATION

Allows the reduction of the quantity of alcohol in hydro-alcoholic solutions.

Molecular weight cut off of the membrane is fundamental. On the permeate should migrate only water and the maximum % of alcohol possible.

Tthe two procedures are applicable depending on the local regulations.



THANK YOU

For further information please visit:
www.dellatoffola.us

