



## DYEMANSION ROS

Constant water quality & process stability

### Reproducible dyeing results through optimized process water

The water quality worldwide varies greatly depending on location and season and contains undesirable substances which have a negative impact on dyeing results. Constant water quality without these substances is essential for a stable process. Thanks to the principle of reverse osmosis, components such as lime and other salts are removed from the water. This achieves a consistent water quality that ensures reproducible dyeing results.

### Higher efficiency & easy handling

The DyeMansion ROS Reverse Osmosis System is a user-friendly solution that can be integrated into the Print-to-Product workflow at any time and is perfectly matched for the use with your DeepDye Coloring Equipment (DM60 including DM60 Reservoir). In combination, this complete solution ensures more simplified handling compared to conventional desalination solutions.

### Protection for your DeepDye Coloring Equipment

Thanks to the innovative filter system the DyeMansion ROS protects your DeepDye Coloring Equipment from limescale deposits. That not only ensures a stable dyeing process but also significantly extends the service life of your machines.

# TECHNICAL DATA

ROS



## PERFORMANCE

Efficiency	Supplies up to two DM60 with demineralized water <sup>1</sup>
Maximum demineralized water production	Up to 60l/h   15.9gal/h
Integrated storage tank	450l   118.9gal
Demineralized water quality	*Conductance <20µS/cm
Demineralized water yield	Approx. 40% at 15°C   59°F water temperature

## DIMENSIONS

System (L x W x H)	1100mm x 700mm x 1767mm   43.3inch x 27.6inch x 69.9inch
Recommended space requirement for operations (L x W x H)	2300mm x 3088mm x 2000mm   90.6inch x 121.6inch x 78.7inch

## WEIGHT<sup>2</sup>

System (empty weight)	270kg   595lb
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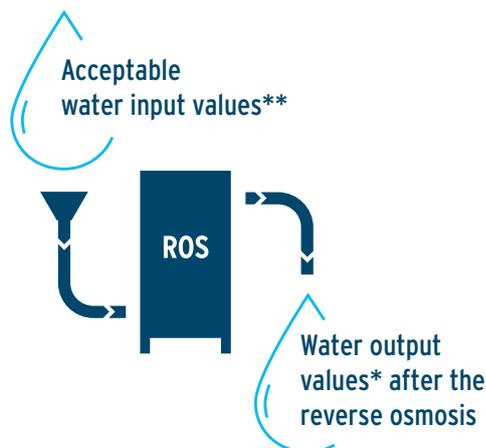
## POWER

Supply	In operation: 0.95kW Standby: <5W
Requirements	230V, 50Hz or 110V, 60Hz

## WATER

Water input	Feed water flow min. 150l/h   39.6gal/h min. 2bar   29psi max. 6bar   87psi ** Feed water quality at 15°C   59°F; conductance <650µS/cm TDS ≤ 500mg/l; SDI ≤ 3.0%/min.; SiO <sub>2</sub> ≤ 15mg/l; Oxidants ≤ 0.05mg/l; Fe+Mn < 0,05mg/l
Waste water	Harmless water; approx. 90l/h   23.8gal/h

## WATER DEMINERALIZATION PROCESS WITH THE DYEMANSION ROS



<sup>1</sup> Supply two DM60 in parallel operation with L-cartridge for two cycles each per working day (8h) with demineralized water. Supply depends on cartridge size.

<sup>2</sup> Deviations possible depending on system variant.

## CERTIFICATION<sup>2</sup>

✓ CE | 2014/35/EU

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