



## 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 two DM60  
with demineralized water

Maximum demineralized water production

Up to 500l/h | 46inch

Integrated storage tank

200 l | 52 gal

Demineralized water quality\*

Conductance < 20  $\mu$ S/cm

Demineralized water yield

Approx. 50 % at 20 °C | 68 °F feed water temperature

Approx. 35 % at 10 °C | 50 °F feed water temperature

## DIMENSIONS

System (L x W x H)

1305 mm x 800 mm x 1690 mm | 51.4 inch x 31.5 inch x 66.4 inch

Recommended space requirement  
for operations (L x W x H)

2400 mm x 2000 mm x 2000 mm | 95 inch x 78.8 inch x 78.8 inch

## WEIGHT<sup>1</sup>

System (empty weight)

328 kg | 724 lbs

System (full storage tank)

600 kg | 1323 lbs

## POWER

Supply

Full load current: 10 A (230 V / 50 Hz) | 22 A (110 V / 60 Hz)

Nominal Power: 1,2 kW (230 V / 50 Hz) | 2,4 kW (110 V / 60 Hz)

Requirements

230V, 50Hz or 110V, 60Hz

## WATER

Water input\*\*

Feed water flow min. 1000 l/h | 265 gal/h

Feed water pressure 3-5 bar | 44 - 73 psi

Blocking factor (SDI) < 3i

Total hardness max. 15 °dH

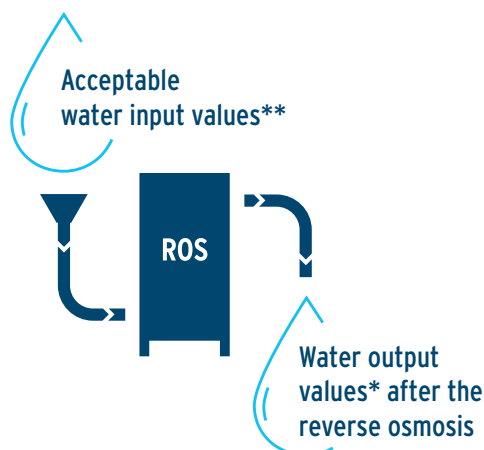
TDS < 2000 ppm

Ph-value 6.5 - 9

Waste water

Concentrate; up to 650 l/h | 172 gal/h

## WATER DEMINERALIZATION PROCESS WITH THE DYEMANSION ROS



<sup>1</sup> Deviations possible depending on system variant.

## CERTIFICATION<sup>1</sup>

✓ CE | 2014/35/EU

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