

DEEPLYE COLORING | PROCESS WATER

**DYE
MANSION**



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 150l/h 33gal/h |
| Integrated storage tank | 350l 77gal |
| Demineralized water quality | *Conductance <20µS/cm |
| Demineralized water yield | Approx. 50% at 15°C 59°F water temperature |

DIMENSIONS

| | |
|--|---|
| System (L x W x H) | 1170mm x 700mm x 1535mm 46inch x 27.6inch x 60.4inch |
| Recommended space requirement for operations (L x W x H) | 2370mm x 1900mm x 2135mm 93.3inch x 74.8inch x 84inch |

WEIGHT¹

| | |
|-----------------------|---------------|
| System (empty weight) | 230kg 508lb |
|-----------------------|---------------|

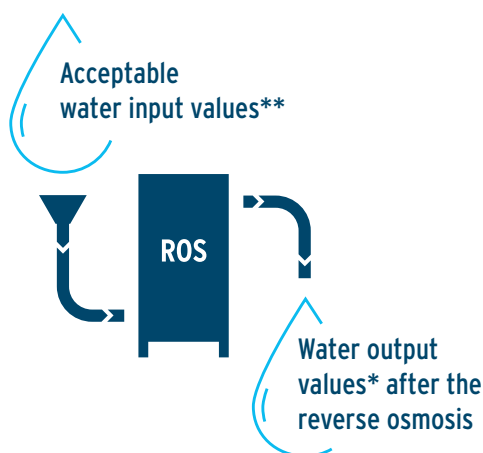
POWER

| | |
|--------------|---|
| Supply | Full load current: 8.3A Nominal Power: 2kw |
| Requirements | 230V, 50Hz or 110V, 60Hz |

WATER

| | |
|-------------|---|
| Water input | Feed water flow min. 300l/h 66gal/h* * For full performance min. 2.5bar 37psi max. 6bar 87psi ** Feed water quality at 15°C 59°F; conductance <650µS/cm TDS ≤ 500mg/l; SDI ≤ 3.0%/min.; SiO ₂ ≤ 15mg/l; Oxidants ≤ 0.05mg/l; Fe+Mn < 0,05mg/l |
| Waste water | Harmless water; approx. 150l/h 33gal/h* |

WATER DEMINERALIZATION PROCESS WITH THE DYEMANSION ROS



¹ Deviations possible depending on system variant.

CERTIFICATION¹

✓ CE | 2014/35/EU

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