



Constant water quality & process stability

Reproducible dyeing results through optimized process water

Water quality varies significantly around the world depending on location and season, often containing unwanted substances that negatively affect dyeing results. Consistent water quality, free of these substances, is crucial for maintaining a stable process. Using reverse osmosis, elements like lime and other salts are removed from the water, resulting in consistent water quality that ensures reproducible dyeing outcomes.

Higher efficiency & easy handling

The DyeMansion ROS Reverse Osmosis System is a user-friendly solution that can be seamlessly integrated into the Print-to-Product workflow at any time. It is specifically designed to work perfectly with your DeepDye Coloring Equipment (DM60, including the DM60 Reservoir). Together, this comprehensive solution offers simplified handling compared to traditional desalination methods.

Protection for your DeepDye Coloring equipment

Thanks to the innovative filter system, the DyeMansion ROS protects your DeepDye Coloring equipment from limescale deposits. This 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 zu 500l/h 132gal/h
Integrated storage tank	200l 52 gal
Demineralized water quality*	Conductance <20µS/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)	1305mm x 800mm x 1690mm 51.4inch x 31.5inch x 66.4inch
Recommended space requirements for operations (L x W x H)	2400mm x 2000mm x 2000mm 95inch x 78.8inch x 78.8inch

WEIGHT

System (empty weight)	328kg 724lbs
System (full storage tank)	600kg 1323lbs



CERTIFICATION
CE | 2014/35/EU

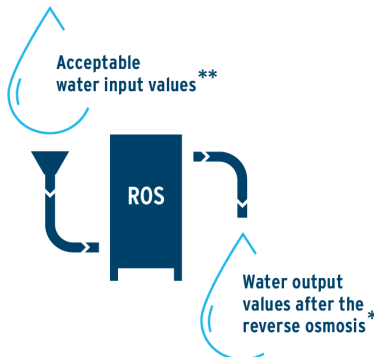
POWER

Supply	Full load current: 10A (230V / 50Hz) 22A (110V / 60Hz) Nominal Power: 1.2kW (230V / 50Hz) 2,4kW (110V / 60Hz)
Requirements	230V, 50Hz or 110V, 60Hz

WATER

Water input**	Feed water flow min. 1000l/h 265gal/h Feed water pressure 3-5bar 44 - 73psi Blocking factor (SDI) < 3i Total hardness max. 15°dH TDS < 2000 ppm Ph-value 6.5 - 9
Waste water	Concentrate: up to 650l/h 172gal/h

WATER DEMINERALIZATION PROCESS WITH THE DYEMANSION ROS



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