24r™ Deioniser

Ion Exchange Deionisation

24r™ deionisation systems typically produce water with a conductivity of less then 25 µS/cm.

Flow rates from 60 to 400 l/hr.

Features & Benefits

- Cost effective capital and running costs for deionised water production
- Robust skid and stand design for long life and reliability
- Optimized flow:size ratio; space saving and efficient
- Pre-assembled, skid mounted system; reduces installation costs and ensures rapid start-up time
- Safe operation, with no mains electrical connections
- Battery operated conductivity meter for system quality control and operation
- Non-return valves and break tanks can be fitted if required
- Manually regenerated

Applications

- Laboratories
- Metal finishing and surface treatment
- PCB and semiconductor rinsing
- Toiletries and cosmetics
- Chemical dilution
- Battery top-up

Related Services

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.

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System Performance

Maximum Flow	400 l/hr
Minimum Flow	60 l/hr
Optimum Flow for Maximum Capacity	200 l/hr
Regeneration Time	1.5 hours
Pressure Loss at Maximum Flow	2.2 bar
Pressure Loss at Optimum Flow	0.5 bar
Maximum Flow to Drain During Regeneration	700 l/hr
Effluent Volume per Regeneration	400 l
Chemical Usage per Regeneration **HCl (32%) 3.5** **NaOH (30%)**	 3.5 l 2.7 l
Output per Regeneration **(100 mg/l Total Anion Load as CaCO3 Inc. CO2 & SiO2)**	 5 m^3

System Dimensions, Weights & Connections

Height	1050 mm
Depth	360 mm
Width	430 mm
Recommended Headroom	500 mm
Approx. Service Weight	60 kg
Pipe Connections* **Inlet (with 1.5m tubing) inches 3/8** **Outlet (with 1.5m tubing) inches 3/8** **Drain (with 4m tubing)**	 3/8 inches 3/8 inches 1/2 inches

*3/8» male BSP connections also supplied

Treated Water Quality

	TDS mg/l	Conductivity µS/cm
24r™	<10	<25

Material Specifications

Pressure Vessels	Composite plastic
Pipework	PVC
Skid	Epoxy coated mild steel
Control Valves	Manually operated ball type

Feed Water Supply Quality

Potable water free from organic contamination, chlorine and suspended solids.

Supply Pressure:	min. 1.5 bar	max. 6 bar
Temperature:	min. 5°C	max. 30°C

Electrical Supply

Battery required - 9V PP3 or equivalent.

For higher flow rate applications consult your local Veolia Water Technologies company, contact details below.

Visit our website: www.veoliawatertechnologies.com

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