

INDION Deiomatic produces demineralized water at flow rates upto 500 litres per hour. It is easy to install and economical to operate. The design is the outcome of many years of experience in manufacturing deionisers to meet the specific needs of several industries.

The units are made of corrosion resistant materials of construction - pressure valves in Fibre Reinforced Plastic (FRP), plastic pipes, plastic coated stands and FRP skids.

When the capacity of the ion exchange resin is exhausted, it is regenerated: the cation exchanger with dilute hydrochloric acid and the anion exchanger with caustic soda solution. The units are pre-assembled and tested before dispatch and are easy to install.

Features

- Portable and can be moved to points of use
- Separate regeneration unit
- Auto regeneration based on quality or operating hours between regeneration
- Continuous monitoring of treated water quality
- Corrosion resistant material of construction (MOC)

Applications

- Laboratory and research institutes
- Electroplating shops and mirror silvering
- Pharmaceuticals and chemical synthesis.



ê ION EXCHANGE

Refreshing the Planet

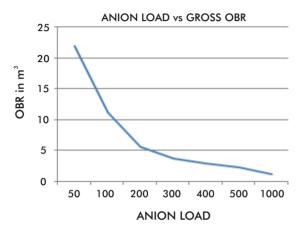
Benefits

- Conductivity of the treated water is less than 30 μS/cm
- The unit can control both service pump and regeneration pump
- Audible alarm to take preventive action
- Less regeneration time(quantify) for both cation and anion units
- Consistent water outlet quality

Technical Specification

Model	Flow rate	Flow pressure	Regenerants		Treated Water Quality	
CA-50	Maximum	Maximum	Hydrochloric acid 32%	Sodium Hydroxide 100%	Electrical Conductivity at 25° C	рН
	L/h	Kg/cm ²	Liters	Kg	μs/cm	
	500	3	11	2.8	Less than 30	7.5 to 9

Capacity Curve



Gross output between regeneration (OBR) graph

Anion load = EMA + Total alkalinity + silica

 $EMA = CI + SO_4 + NO_3 as CaCO_3$

Note:

- 1. Feed water should be free from turbidity, organic matter, heavy metals, free chlorine and oil. Design parameters should be based at 25
- 2. Output between regenerations will vary with influent feed water quality

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional/branch offices for current product specifications.

INDION is the registered trademark of Ion Exchange (India) Ltd.



Corporate Office

Ion House, Dr. E. Moses Road, Mahalaxmi, Mumbai - 400011 | Tel: +91 22 6231 2000 E-mail: ieil@ionexchange.co.in

Regional and Branch Offices - CLICK HERE

Bengaluru | Bhubaneswar | Chandigarh | Chennai | Delhi Hyderabad | Kolkata | Lucknow | Vadodara | Vashi Visakhapatnam International Division

R-14, T.T.C MIDC, Thane - Belapur Road, Rabale, Navi Mumbai - 400 701 | Tel: +91 22 6857 2400 E-mail: export.sales@ionexchange.co.in

Overseas Offices - CLICK HERE

Bahrain | Bangladesh | Canada | Indonesia | Kenya Malaysia | Oman | Saudi Arabia | Singapore | South Africa Sri Lanka | Tanzania | Thailand | UAE | USA

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India - Ankleshwar | Hosur | Patancheru | Rabale | Verna | Wada Overseas - Hamriyah | Kingdom of Bahrain | Indonesia | Bangladesh All India Service and Dealer Network

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