

## **INDION<sup>®</sup> Elegant** Industrial Range



The latest INDION Elegant range comprises a family of twin bed deioniser incorporating state-of-the-art counter current flow ion exchange technology previously available only in large custom designed plants.

The design uses Strong Acid Cation (SAC) and Strong Base Anion (SBA) resins in columns. Its optional features include Degasser Tower (DGT) and Layered Bed Anion (LBA) column (instead of SBA) to produce highest quality of demineralised water at significantly lower capital and operating cost.

The operation cycle of these packaged units are controlled by volume throughout, which can be pre-programmed into the Programmable Logic Controller (PLC) according to the type of feed water. INDION Elegant is exceptionally compact, and is skid-mounted on a corrosion resistant frame which also accommodates stainless steel pumps.

### **Advantages**

- Standard range 10 - 120 m<sup>3</sup>/h available in manual operating mode or automatic control by PLC
- Incorporates INDION uniform particle size resins operating on counter current mode
- Produces demineralised water of conductivity 1 - 10  $\mu\text{s}/\text{cm}$  and reactive silica 20 - 50 ppb
- Optional HMI for read-out of system status, audible alarm and no flow alarm
- Smaller footprint than conventional demineraliser plant
- Minimal installation & commissioning time and cost

## Technical Specifications

Size of Vessel in (mm)		Maximum Flow Rate m <sup>3</sup> /h	General Configuration		
Diameter	HOS		Working Pressure kg/cm <sup>2</sup>		Material of Construction
			Minimum	Maximum	
600	1875	10	2	3.5	MS RL
800	1875	20	2	3.5	MS RL
1000	1875	30	2	3.5	MS RL
1200	1875	40	2	3.5	MS RL
1400	1875	60	2	3.5	MS RL
1600	1875	80	2	3.5	MS RL
1800	1875	100	2	3.5	MS RL
2000	1875	120	2	3.5	MS RL

Note: Feed water should be free from turbidity, free chlorine, heavy metals, oil and organics

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**<sup>®</sup> is the registered trademark of Ion Exchange (India) Ltd.



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