

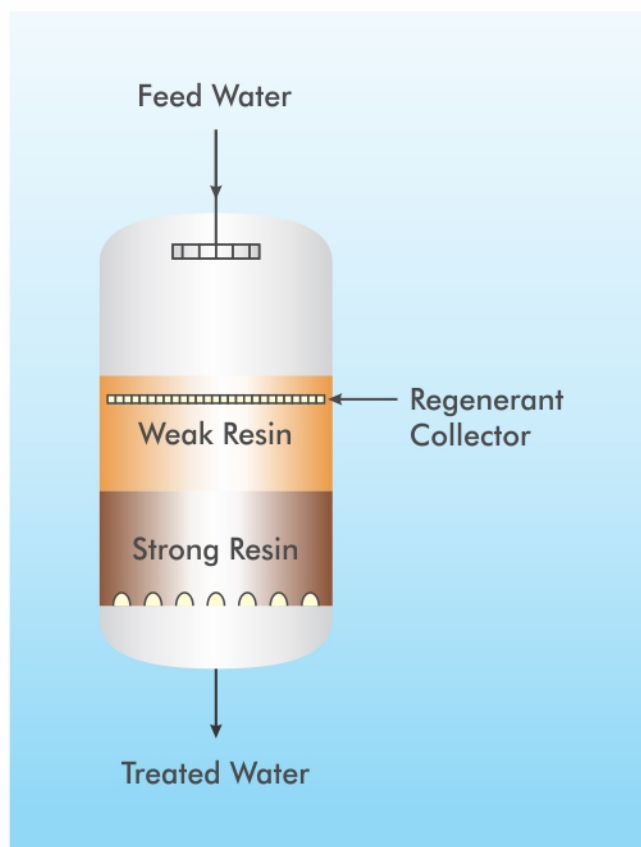
INDION® **Layered Bed Cation**

INDION layered bed cation unit is a single vessel system with layers of two resins. INDION weak acid cation resin is on top of INDION strong acid cation resin with down flow service. The layered bed system provides high chemical efficiency of a two-bed weak acid cation and strong acid cation system in a single vessel. Thus, it saves the cost of additional vessel, associate piping and valves. The layered bed cation system is regenerated always by the counter current mode of regeneration so that fresh hydrochloric acid contacts first the INDION strong acid resin at the bottom and provides a high level of regeneration. This results in excellent treated water quality and high efficiency of regenerant utilisation in the system.

Layered bed cation units are available in ASME and IEI Good Engineering Practices.

Advantages

- Single vessel
- Less flow area for installation
- Low capital cost
- High chemical efficiency
- Conventional counter current regeneration procedure
- Easy to retrofit in the existing system



Applications

- Layered bed cation is proven to be an excellent choice for all plants as substitute of two bed weak acid and strong acid cation system, since it provides an optimum balance between investment and operating cost.
- INDION layered bed cation system can be selected to treat water containing high proportion of alkaline salts in relation to neutral salts.

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) Limited.

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