

Industry Sector Industry Solutions Division

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Singapore International Water Week

Siemens introduces Ionpure VNX-HH electrodeionization (EDI) module with higher feedwater hardness tolerance

Siemens announces the new Ionpure VNX-HH electrodeionization (EDI) module, which represents a significant advancement in feed water hardness tolerance, to 2 parts per million (ppm) as CaCO₃ – a hardness level that is four times the industry standard of 0.5 ppm. This feature provides options for treating difficult feed water, and offers considerable capital cost savings by eliminating the need for two-pass reverse osmosis (RO) in many applications.

EDI is a simple and chemical-free process for deionizing water using a combination of selective ion exchange membranes, conductive resins, and electricity to remove ions from water. The result of extensive research and development by Siemens, the new VNX-HH EDI module reduces the hardness scaling potential of the water through a proprietary combination of the membranes, the resins and construction of the module.

Patrick Buzzell, EDI product manager at Siemens, said: "Because the VNX-HH EDI module removes the necessity for two-pass RO in the treatment train, customers can save on capital costs while simplifying their water treatment design. Now, a typical treatment train would include anti-scalant prior to a single-pass RO system, followed by the Ionpure VNX-HH module, to produce high-purity water without EDI hardness scaling."

VNX-HH product web page:

http://www.ionpure.com/index.php?option=com_productbook&func=detail&Itemid=103&id=86

Further information about Ionpure is available at: www.ionpure.com

Ionpure is a trademark of Siemens and its affiliates in some countries.

Further information about solutions for water treatment is available at <http://www.siemens.com/water>

A picture supplements this press release. Please see:

http://www.ionpure.com/images/stories/med_vnx50hh-2.jpg



The Ionpure VNX-HH module tolerates feed water hardness up to 2 ppm.

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