



# L & T Technologies, Inc.

P.O. Box 290  
194 South Main Street  
West Bridgewater, MA 02379

Phone: (508) 586-9972

Fax: (508) 586-1630

## **SERVICE DEIONIZATION**

Service Deionization (SDI) from LT Technologies is a safe and economical way for firms to obtain consistent, high-purity water from potable feed water. Our reliable SDI systems consist of activated carbon and ion exchange resins contained in portable tanks connected directly to the water supply. With SDI systems, there is no major capital investment or handling of hazardous chemicals. Our factory-trained service representatives will deliver tanks, install and maintain the filtration equipment. With LT technologies you get the highest quality service in the industry. LT Technologies can custom-design and configure an SDI system to meet water purity, flow rates and/or budget requirements.



## **ULTRAPURE SDI WATER LOOP WITH LT TECHNOLOGIES**

(LT) Liquid treatment Technologies standardized Product Line

Phone: 508-586-9972

[www.lttechnologies.com](http://www.lttechnologies.com)

## **What is SDI?**

### **Activated Carbon**

These units remove chlorine, chloramines and dissolved organic contaminants. Each replacement carbon unit contains virgin carbon to assure maximum water quality and service life of the bed.

### **Cation Resin**

Cation resins remove positively charged dissolved ionic contaminants such as calcium, sodium, magnesium, potassium, iron and manganese. The cation resins used are very durable to provide stability against osmotic, thermal and impact shock.

### **Anion Resin**

Anion resins remove negatively charged dissolved ionic contaminants such as carbonate, bicarbonates, sulfates, chlorides, nitrates and silica. The anion resins used offer stability against osmotic, thermal and impact shock. A variety of anion resins are available suitable for any water application.

### **Mixed Bed Deionizers**

For higher quality water with a more neutral pH than separate bed systems, as well as enhanced silica and CO<sub>2</sub> removal mixed bed deionizers can be stand alone systems or placed as a polisher after the separate two beds (cation & anion resins). LT Technologies SDI units produce the quality of water required for any application, up to 18.3 megohm resistivity at 25° C. In-line quality monitors immediately alert users when resin tanks need to be changed.