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[http://www.rasirc.com/news/downloads/photos/RASIRC\\_Steamer\\_02.jpg](http://www.rasirc.com/news/downloads/photos/RASIRC_Steamer_02.jpg)

**RASIRC Introduces the Steamer '02 for Ultrapure Process Steam**  
*New Generation of Steamer for Precision Flow Control and Tool-to-Tool Repeatability*

San Diego, Calif. – January 12, 2010 – RASIRC®, the steam purification company, introduces the RASIRC Steamer '02, the next generation in ultrapure steam generation and control. The RASIRC Steamer is the only technology to generate purified steam from de-ionized (DI) water. Users of the RASIRC Steamer obtained improved oxide growth rate, film quality, and reduced operating costs. The Steamer can be used in the semiconductor, MEMS, solar, and optical device industries where thermal oxide films are an essential feature.

“The Steamer '02 was developed to meet the move from R&D to production for our solar and semiconductor customers,” said Jeffrey Spiegelman, president of RASIRC. “This unit allows customers to run the new generation of five stack furnaces and get the same result every time both run-to-run and tube-to-tube.”

RASIRC's new Steamer introduces several features:

- Additional control loop for the heated steam process line between the Steamer and the tool.
- Integrated flow meter for improved repeatability, flow accuracy, and response time.
- Reduced footprint and simplified installation through addition of an internal three-way valve.
- Improved tracking of flow rate and energy use through updated user interface.

The unique Steamer technology allows the use of DI water for critical processes by removing volatiles, ionic contaminants, and other impurities from steam. Yield is increased because metals, hydrocarbons, and particles are rejected by the non-porous membrane to deliver the purest steam possible. Throughput is increased with continuous unattended 24/7 operation and up to 20%

improvement in growth rate. Compared to pyrolytic torches, there is no thermal build up with increased flow rate, it's safer as hydrogen and oxygen are eliminated from the oxidation process, it operates at significantly lower temperature, and handles a wide range of pressures and flow rates.

### **About RASIRC**

**RASIRC** products purify and deliver ultra pure liquids and gases. RASIRC technology is the first to generate ultra high purity (UHP) steam from de-ionized water. It reduces cost, increases yield, and improves safety. RASIRC dryers, humidifiers, and steam generators are of critical importance for many applications in the semiconductor, pharmaceutical, medical, biological, fuel cell, and power industries. Custom systems are available upon request. Call 858-259-1220, e-mail [info@rasirc.com](mailto:info@rasirc.com), or visit [www.rasirc.com](http://www.rasirc.com).

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