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PRESS RELEASE:

C.A.S. Launches High-Purity Circulation Heater for Semiconductor Market

Cast Aluminum Solutions (CAS), a leader in designing & manufacturing circulation heaters for the semiconductor industry, is pleased to announce the launch of the new PUR-X line of circulation heaters. PUR-X features a replaceable fluid tube on a spiral-grooved cast aluminum body, a feature not found on any other circulation heater. This unique design helps ensure contamination-free heating.

PUR-X is available in two sizes; the PUR-X 1000 and PUR-X 2000. Capable of heating liquids or gases, both models feature a replaceable fluid tube made of PFA (Perfluoroalkoxy), a polymer capable of withstanding temperatures to 500°F (260°C). PUR-X circulation heaters also feature a Teflon®-coated aluminum body, the Teflon protecting the heater body from chemical damage and enabling easy cleanup.

According to Tony Meadors, Vice President of Sales for the Semiconductor Industry at CAS, “the PUR-X line has been designed to fit into applications where heated fluids must remain ultra-pure and contamination-free. This includes heating of DI water, heating of photo-resist removal solvents, and wet bench applications for wafer cleaning – but because PUR-X can also heat gases, it can be used in wafer drying applications to heat nitrogen or air.”

Cast Aluminum Solutions offers a range of heat transfer products to the semiconductor industry, including chamber heaters, custom heater assemblies, heated platens & pedestals for wafer processing, and the CAST-X line of circulation heaters.

PUR-X circulation heaters will be available worldwide through CAS’s team of application engineers and distributors. To accommodate the full array of global heating demands, PUR-X is available in a wide range of volt and watt options. These units are also equipped with explosion-proof electrical enclosures, for deployment in hazardous environments.

Eric Hostert, Director of Engineering at Cast Aluminum Solutions, summarized the PUR-X development approach, “At CAS, we work very closely with customers - almost as an extension to their engineering teams - so we designed PUR-X based on those real-world demands we see every day from customers. If the PUR-X flow-tube contacts any unwanted particulate matter or residue, it can be easily replaced with a *new tube*. It takes 10 minutes. In contamination-sensitive markets, such as semiconductor, we’re anticipating favorable reactions to the PUR-X Heater.”

The PUR-X line of circulation heaters is manufactured by Cast Aluminum Solutions, headquartered in Batavia, Illinois. For further information regarding Cast Aluminum Solutions (CAS) or PUR-X Circulation Heaters, please contact Jeffrey Awe, CAS Marketing Director. Contact information is above. Thank you.

About Cast Aluminum Solutions:

Headquartered in Batavia, Illinois, Cast Aluminum Solutions services companies worldwide with highly-engineered thermal products and aluminum components. CAS engineers and technicians utilize industry-standard technology to design, test, manufacture and inspect all products. Primary markets include semiconductor manufacturing, oil & gas sectors, commercial food & beverage, as well as medical fluids, the pharmaceutical industry and specialty-chemical processors.

	<p>PUR-X 2000 (left) and PUR-X 1000 (right). The removable tube fits into the grooved aluminum heater body. Capable of heating liquids or gases, it is available in several voltage & wattage configurations.</p>
	<p>PUR-X 2000 (left) without insulating jacket and PUR-X 1000 with insulating jacket.</p>
	<p>PUR-X Circulation Heaters are available with an optional insulating jacket. Here is a PUR-X 2000 with insulating jacket.</p>
	<p>PUR-X Circulation Heaters are available with an optional insulating jacket. Here is a PUR-X 1000 with insulating jacket.</p>