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### **Chromalox Announces Explosion-Proof Certification and Design Patent for Tank Flanged Immersion Heaters**

PITTSBURGH - February 6, 2013 - Chromalox, a leading manufacturer of electric heat and control products, today announced significant advances for its large and small tank flanged immersion heaters. The CSA Group (CSA) has certified the use of Chromalox small tank flanged heaters (STFX) as explosion proof in hazardous areas, the same certification as for its large tank flanged heaters. This means that both types are approved as explosion proof under applicable standards such as those of the American National Standards Institute (ANSI), Underwriters Laboratories (UL), ATEX, CSA, NSF International, and other North American and global organizations.

In addition, the innovative design of its large tank heaters (LTFX) has earned a U.S. patent. Patent protection assures Chromalox customers that the product offers a unique, effective, space-saving design for hazardous locations that can't be matched by other companies.

"The Chromalox LTFX heaters for large tanks have long set the standard for providing a cost-effective, replaceable element design for use in hazardous areas," said Mark Wheeler, global product director for Packaged Systems & Service. "Now we've extended explosion-proof certification to our immersion heaters for small tanks. This broadens their application to many industrial processes and plants where flammable fumes may be present."

He adds that typical applications range from viscous fluids such as asphalt or Bunker C oil to free-flowing oils such as hydraulic fluids or lube oil. In addition, they can be used for water, water/glycol, alcohols, acidic mixtures, specialty chemicals, alternative fuels and numerous similar liquids.

A chief advantage of these Chromalox immersion tank heaters is that customers never need to drain the tank for heater element service. Chromalox's unique designs allow for element removal with a completely filled tank. This allows production times to be maximized. In addition, heating elements are made to bend during removal and installation. Users are able to optimize production space, while maintaining easy serviceability.

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Powered by electricity, the heaters have no open flames and no pollution, while requiring no additional piping connections. They operate quietly, providing precise temperature control. All styles come equipped with a standard Type J thermocouple for over-temperature protection. For automated operation, they may be paired with a compatible Chromalox control panel, mounted remotely or directly on the heater. Power ratings range from 1 to 25 kW for the STFX styles and 4 to 240 kW for the LTFX styles.

Multiple designs, lengths, and watt densities meet the requirements of most industrial immersion heating applications for large and small tanks. Standard ANSI 150# flanges range in size from 3- to 14-inch and provide a straightforward mating connection. Custom immersion lengths and flange sizes are available. Aside from third-party CSA certification in the U.S. and Canada, these units are available with ASME design and certification.

For more information, visit [www.chromalox.com](http://www.chromalox.com)

### **About Chromalox, Inc.**

For nearly a century, customers have relied on Chromalox for the utmost in quality and innovative solutions for commercial and industrial heating applications. Chromalox manufactures the world's largest and broadest line of electric heat and control products, including heating components, immersion heaters, circulation systems, heat transfer systems, boilers, industrial and comfort air heating, heat trace cables, sensors and precision electronic controls. With multiple manufacturing, engineering, warehousing and sales locations throughout North America, Europe and Asia, Chromalox is a global supplier providing the highest level of customer support. Chromalox is headquartered in Pittsburgh, PA.

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