

## Press information

### **KYOCERA introduces new Silicon Nitride Igniter for residential Gas Furnace**

**Kyocera has developed a long life igniter for residential heating systems which is referred to as the most robust igniter in the world<sup>1</sup>.**

**Kyoto, Japan/Neuss, Germany, March 21, 2017.** Kyocera, a Japanese technology group, has developed a new silicon nitride igniter with exceptional endurance and very stable ignition performance for European residential gas furnaces. Kyocera's SN igniter has been regarded as one of the most robust igniters in the world and heats up to more than 1000 degrees Celsius. As the new igniter can be operated at rated residential voltage, no high voltage protection is needed for either systems or modules. This allows flexible components selection and contributes to cost savings on the total system.



**Brand-new 230V Silicon Nitride igniter to be distributed for European residential gas heating system**

The new 230V SN igniter heats up to more than 1000 degrees Celsius very quickly and smoothly sparks off natural gas. Compared to conventional spark plugs, Kyocera's igniter has a wider hot

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<sup>1</sup> Based on internal measurements carried out by Kyocera

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surface and enables a very stable ignition performance. In a test circuit with 40K cycles, the igniter achieved a defect rate of zero.

Furthermore, the igniter shows a very small resistance change over life time which results in yet another advantage: the igniter shows no degradation which gives customers easier control over the heating system.



**Hot surface ignition**

Kyocera has relied on and continuously expanded its expertise in material and manufacturing technology in the field of technical ceramics since its foundation in 1959. The new silicon nitride igniter is another product that enriches Kyocera's broad brand portfolio.

**For more information on Kyocera:** <http://global.kyocera.com>



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### About Kyocera

Headquartered in Kyoto, Japan, Kyocera Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the Kyocera Group, which is comprised of 235 subsidiaries (as of March 31, 2016), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the oldest producers of solar energy systems worldwide, with more than 40 years of experience in the industry.

The company is ranked #531 on Forbes magazine's 2016 "Global 2000" listing of the world's largest publicly traded companies. With a global workforce of over 69,000 employees, Kyocera posted net sales of approximately €11.59 billion in fiscal year 2015/2016. The products marketed by the company in Europe include printers, digital copying systems, microelectronic components, and fine ceramic products. The Kyocera Group has two independent companies in the Federal Republic of Germany: Kyocera Fineceramics GmbH in Neuss and Esslingen and Kyocera Document Solutions in Meerbusch.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by Kyocera founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at approximately €360,000 per prize category).

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