



Reliable, durable and easy to handle The Jenbacher P611 spark plug

An OEM spare parts offer for Jenbacher Type 6 and 9 gas engines

Product description

At INNIO*, we continuously work to reduce the emissions from our gas engines, increase their performance, and achieve higher efficiencies. A central engine component is our specialized ignition system—and the spark plug is the key. Our development work focuses on reliability, long service life and easy handling.

Our P611 spark plug for the Jenbacher* Type 6 and 9 gas engines meets these requirements in all applications. Thanks to its advanced design and our many years of experience in the production of high-performance spark plugs, the P611 stands for longer lifetime.

This OEM product is produced in our in-house spark plug production facility in Kapfenberg, Austria. When you choose the P611, you'll receive the latest spark plug technology that's developed by our gas engine specialists, specifically tailored to the performance of our Jenbacher engines and produced in compliance with INNIO's high quality standards.

Product details

- Robust and improved ignition performance**
 Advanced geometry enables better temperature control for reduced electrode surfaces wear.
- Uniform burn-off**
 Featuring extreme dimensional accuracy, the annular gap helps ensure exceptionally uniform burn-off of the electrode surfaces.
- Lower exhaust emissions**
 The advanced design effectively avoids misfiring, enabling decreased exhaust emissions, e.g. such as 250 and 500 mg NOx/Nm³.
- Applicable for all Type 6/9 engine versions**
 The P611 spark plug can be used with all engine versions of the Jenbacher Type 6 and 9 gas engines as well as for all special gases.

Customer benefits

- Longer service life**
 Better efficiency leads to significantly longer lifetime and less exchange intervals downtime.
- Simplified handling**
 No "re-gapping" of the spark plug is necessary and therefore no additional engine shutdown
- Remote monitoring by myPlant**
 In combination with INNIO's myPlant* remote monitoring system, you get accurate remaining lifetime predictions for your Jenbacher spark plugs. This allows you to precisely plan your maintenance work.
- After-sales support**
 Our Jenbacher team is there for you with professional and fast technical after-sales support as well as fast delivery times.

Applicable units

	Natural gas	Biogas	Special gases**
Type 6	✓	✓	✓
J624	✓		✓
J920	✓		

**Sewage gas/landfill gas, coal mine gas



Spark plug P611



Rely on the original manufacturer's extensive experience

As the experts who built your Jenbacher gas engines, INNIO understands that uptime is everything. That's why it's vital that our OEM-connected parts give you long service life, increased performance and decreased engine wear.

Like all of our product developments, the Jenbacher P611 spark plug went through rigorous evaluation during our design process to determine its impact on each

component. Today, we service our fleet with this proven spark plug technology of more than 5,500 delivered Type 6 engines.

See below how the P611 is helping our customers, but note that in the following references, "lifetime" is dependent on specific engine versions and boundary conditions.

INNIO'S Jenbacher Spark Plug strength

- In-house spark plug production facility with advanced laser welding technology in Kapfenberg, Austria
- More than **several hundred thousand spark plugs** are delivered per year
- Developed through continuous feedback from our customers and our gas engine experts
- Meeting INNIO **high quality standards and processes for reliability**

Cases in point – Solving your challenges

Lucky Energy in Kathore (Sindh), Pakistan

"We are very satisfied with the P611 spark plugs, which have been running for more than 5,000 operating hours at our plant since July 2018. For us, the benefit of P611's longer lifetime reduces our costs per operating hour," says Mr. Muslim Khan Senior Manager from Lucky Energy.

Orient Energy Systems, an INNIO distributor for Jenbacher gas engines, has been using INNIO's P611 spark plug at Pakistan's "Lucky Energy" textile mill industrial plant. Since its commissioning at the site in 2017, a Jenbacher J624 H-version generator set with a design load of 24 bar BMEP has been operating at constant loads between 3,600 kW and 4,000 kW.

Key Technical Data

Fuel	Natural Gas
Engine type	1 x J624 H-version
Electrical output	4,400 kW
Thermal output	–
Commissioning	Plant: 2017 P611: 2018

Sampedro Energia in Lordelo, Portugal

"We are very happy with the P611 spark plugs. The high reliability level and no need for regular maintenance facilitates our plant operations," Antonio Amaro Ribeiro, Plant Manager of Sampedro Energia.

Sampedro, a leading textile company in Portugal, is running a J624 Jenbacher H-version engines at their cogeneration facility Sampedro Energia. The engines are providing steam and hot water for the production process, while producing 4.4 MW/H of energy for the national power grid. At the plant, INNIO's P611 spark plugs have already reached about 4,500 operating hours since July 2018. With a design load higher than 24 BMEP and a maximum voltage level under 26 kV, the spark plugs are still successfully in use.

Key Technical Data

Fuel	Natural Gas
Engine type	1 x J624 H-version
Electrical output	4,400 kW
Thermal output	2,113 kW
Commissioning	Plant: 2012 P611: 2018



INNIO* is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With our Jenbacher* and Waukesh* product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow. Our diverse portfolio of reliable, economical and sustainable industrial gas engines generates 200 kW to 10 MW of power for numerous industries globally. We can provide life cycle support to the more than 52,000 delivered gas engines worldwide. And, backed by our service network in more than 100 countries, INNIO connects with you locally for rapid response to your service needs. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, USA.

Find your local support online: www.innio.com/en/company/providers

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