

# Weishaupt

Reliable, Experienced and Committed to Quality



**W**eishaupt, a manufacturer of gas, oil and dual-fuel burners, was founded in Germany way back in 1932. It wasn't until 50 years later, however, that the company made its way to North America.

This new IHEA member was established as a subsidiary to its German parent in Ontario, Canada, in 1982. The company offers industrial burners that cover applications from 43,000-110,000,000 BTU/hour for boilers and a range of process applications. As a medium-sized, family-owned organization, Weishaupt is large enough for its technologies to be a global success but still small enough to act independently, flexibly and consistently.

After several years of operation in Ontario, Weishaupt opened offices in Chicago, Atlanta and Mexico. In addition to providing high-efficiency burners and parts to the heating industry, it offers service support, training, engineering, production assembly and quality control.

Weishaupt has four burner series in its product portfolio:

- W Series (gas and #2 oil) – up to 1,900,000 BTU/hour
- WM Series (gas, #2 oil and dual-fuel) – up to 37,500,000 BTU/hour
- Wkmono Series (gas, #2 oil and dual-fuel) – up to 58,000,000 BTU/hour
- WK Series (gas, #2 oil, #4 oil and dual-fuel) – up to 110,000,000 BTU/hour

Weishaupt selects the best material to produce its burners. The burner housing is made of cast aluminum, and the flame tube is made of a stainless steel alloy. This combination makes the burners lighter, easier to maintain and last longer. Burners are designed to achieve maximum combustion efficiency. This is reflected in the field when the

burner is firing with O<sub>2</sub> levels between 3-3.5% across the firing range. The O<sub>2</sub> level measured in the stack dictates how efficient the burner is.

Another feature that makes the burner more efficient is the turndown capability. The turndown is defined as the ratio between the maximum and minimum firing rate of the burner. Weishaupt burners can operate with optimum turndown ratio together with low O<sub>2</sub> levels, which makes them ideal for process applications.

In order to meet the most stringent NO<sub>x</sub> emissions requirements, Weishaupt has developed and offers three solutions to its customers.

- For NO<sub>x</sub> emissions below 30 ppm, multiflam® technology or the 3LN burner is available without flue-gas recirculation.
- For NO<sub>x</sub> emissions below 15 ppm, the 4LN burner with flue-gas recirculation.
- For NO<sub>x</sub> emissions below 9 ppm, the PLN burner using the surface stabilized combustion with its mesh head type.

Big things are on the horizon for Weishaupt. A new North American headquarters – an investment of approximately \$18 million – is currently under construction in Mississauga, Ontario. The 43,000-square-foot building, which is scheduled to open by the end of 2019, will have a training room with a total output of 280 HP for the technical development of its customers and partners. The facility, which includes administration and sales offices, will also be capable of equipment testing up to 10,000,000 BTU/hour firing rate.

Visit [www.weishaupt-corp.com](http://www.weishaupt-corp.com) for more information.

