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TURBOTORCH® TO CELEBRATE 50TH ANNIVERSARY AT 2017 AHR EXPO

Florence, S.C. –TurboTorch®, an ESAB brand, today announced that it will celebrate its 50th anniversary in 2017. TurboTorch was the brand name for the air-fuel products introduced by Wingearsheek, Inc., of Peabody, Mass., which featured a patented air-swirl technology invented by company co-founder Alex Wormser. Burning up to 40% hotter than competitive air-fuel torches, TurboTorch’s Extreme™ line of self-lighting and standard torch tips create a “wrap around” flame effect that heats pipe more evenly and quickly. By the early 1970s, air-swirl technology became the leading choice for brazing and soldering by professional contractors, while stories in *Popular Mechanics* promoted the combination pressure regulator/torch tip attachment for MAPP cylinders as a solution that enabled DIY plumbers to obtain professional results.

“TurboTorch Extreme air-acetylene torches set the highest industry standards for performance, reliability, durability and safety,” says Paul Eckhoff, Director, Product Line Management, ESAB. “Contractors have trusted TurboTorch to help them to earn their livelihood for 50 years. Now as part of ESAB Welding and Cutting Products, we offer a complete portfolio of leading brands that enable contractors to become even more productive.”

A full line of TurboTorch products will be available for hands-on demonstrations at the 2017 AHR EXPO, Las Vegas Convention Center, booth C3734. Other products available for hands-on use include ESAB All-State® brazes, solders and fluxes, Victor® oxy-acetylene torches and totes, Thermal Dynamics® plasma cutters and ESAB welding equipment, including the breakthrough Rebel™ multi-process, multi-voltage welder.



Wrap-Around Effect

When brazing and soldering, capillary action draws the molten filler between the pipe and fitting. To produce a sound joint, the contractor must evenly distribute the heat on all sides of the target area. An air-swirl torch delivers a high-velocity, clockwise swirling flame that has a wrap-around effect with no feather. Wrapping the flame around all sides of the target promotes better heat transfer, and it makes it easier to heat the far side of the pipe. An air-swirl combustion torch provides a hotter flame, burning up to 40% hotter than competitive air-fuel torches. A high-velocity flame transfers heat better, minimizes the cooling effect of the ambient air, and completely burns the fuel inside the flametube, creating a stable, blow-out resistant flame.

Additional benefits include an orifice at the base of the torch tip that meters a precise amount of pressurized gas to the venturi. The venturi acts like a jet engine, pulling in the exact amount of air through the intakes to create the perfect air/fuel ratio in the mixing chamber (e.g., it eliminates the chance of a carburizing or oxidizing flame). The pressurized gas then flows through a precision-machined helical rotor, becomes evenly mixed and then ignited in the flametube. The helical rotor's spiral design also swirls and concentrates the heated gas as it exits the flametube at high velocity.

ESAB Welding & Cutting Products, established in 1904, is a recognized leader in the welding and cutting industry. From time-honored processes in welding and cutting to revolutionary technologies in mechanized cutting and automation, ESAB's welding filler metals, equipment, and accessories bring solutions to customers around the globe.

For more information about ESAB and its leading brands, visit www.esab.com or call 1-800-ESAB-123.

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Image Information



JPG: ExtremeAirSwirl

Caption: The “wrap around” effect of a TurboTorch Extreme Swirl tip evenly distributes heat on all sides of a joint, promoting better capillary action when brazing or soldering.