

First-Of-Its-Kind Welder Uses Water And Alcohol, Not Gas

MIG, TIG and stick welders are all good ways to work with steel but once you try the new Multiplaz 3500, you might never go back to them. Not much larger than an old-time radio, all it needs is 110 or 220v current, water and alcohol. It can weld, solder, braze, and harden steel, aluminum, copper, cast iron, bronze and other metals. It'll also cut any metal, including high-alloy and stainless steel, as well as ceramic tiles, quartz glass, bricks, and concrete.

Patricia Lewis-Hansen, CEO of Multiplaz North America states, "There is very little Multiplaz can't do that other welders can, perhaps only the speed of a MIG because it is spool fed, and Multiplaz is hand-fed. It comes with two torches, one for cutting and the other for welding. It can cut 3/16-in. steel on 20-amp, 110v current and 3/8-in. steel on 220v current. On 220v current, the welding torch can do gas welding, brazing and soldering on mode 1. Also TIG, stick welding, and MIG strength welds on mode 2. If you don't have 220v access, an accessory adaptor combines current from two, 20 amp - 110v outlets on separate circuits, and one small pig tail allows you to pull the plug from the 220v adapter and plug into the 110v. It also works with any portable generator 4,000 watts or higher."

A helmet is optional, while a minimal 5 goggle with a maximum 8, and 7 being optimum along with some sunscreen for sensitive skin users works well. Consumables required are water and isopropyl alcohol, which are mixed in specific ratios for specific uses, or pick up prediluted 50% isopropyl alcohol for most metals or 70% for most stainless steel. One 8 hr. day of welding uses only 24 oz. of alcohol. If filler rods are necessary, sense you can fuse weld many metals users can utilize the same rods

as other welders.

The Multiplaz has been marketed worldwide since 2008 and in North America since January 2011. With Multiplaz not having the support of traditional welding distributors, due to lack of gas and tank rental income, the company is always seeking dealers who can demo the product. Future marketing includes schools distributing. Assignment of welding personnel who can "own" the technology and show it to the immediate community will provide a stronger distribution and market penetration.

In the past year, large mines in South Africa have begun to use the welder for savings on cost, transportation and safety. Multiplaz reports that Multiplaz has been purchased in most branches of our military and other government agencies. Originally developed by a Russian physicist who worked in the space program, the Multiplaz creates its own vapor from the carbon in the alcohol interacting with the electric arc. Because it doesn't use inert gases, it can be used in unventilated areas. It can even be used in the dark because the tip illuminates the work area.

"Plumbers love it because they don't have to purge the lines. They simply shut the water off and work," says Lewis-Hansen. "If low heat is needed, they can switch the welding torch to Mode 1 and turn the current up or down as they need more or less heat. For high heat, switch to Mode 2 and utilize the arc. At 14,400 degrees focused in a tight beam, it's the hottest welder on the market."

Multiplaz users report it can replace welders, gas torches, plasma cutters, nibble shears, scissors, electric jigsaws and more. The unit, which sells for \$2,000, comes in its own carry pouch the size of a large gym bag.

"Don't let its size fool you," says Lewis-



Welder comes with 2 torches; one for cutting and the other for welding.



Not much bigger than an old-time radio, all the Multiplaz 3500 welder needs is 110 or 220-volt current, water and alcohol.

Hansen. "It's a very capable machine. If you look at the cost alone and not the value, you might say it was expensive. Those who have looked at the alternatives for what it can do tell us it's worth every penny."

An instructional DVD has been developed for customers. For a look at what the Multiplaz can do, check out the video at FARMSHOW.com.

Multiplaz has received numerous industry awards. However Lewis-Hansen states, that the farm and ranch market are our number #1 adopters of the product. Multiplaz received the 2013 SEMA Global Media Award and the Top Ten Product award at the Tulare World Farm Show. Both awards are premier industry trade events in the world.

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Reader Inquiry No. 44

"Smart" Tankless Water Heaters

Early model tankless water heaters failed to impress most U.S. consumers. But the latest new "smart" tankless water heaters appear to be changing all that.

"The older ones were more like a barbecue grill where the water ran on top of it," says Gene Sola, owner of EZ Tankless, based in Earl Park, Ind. "Newer models are more like a fuel-injected car. Units are computerized so they are smarter."

There's no pilot light, they self ignite, and the flame adjusts according to water volume. Models in the \$400 range can supply enough hot water for two showers running all day long.

In addition to the natural or LP gas supply, they only require 4 amps at 120V AC to run the exhaust fan and computer. Installation is easy, too, with a dual-chamber 4-in. forced air intake and exhaust pipe.

EZ Tankless also has battery-ignited outdoor models starting at \$165 for camping, hunting cabins, or other remote areas without electricity.

To ensure the tank's life of 20 years or more, Sola recommends filtering the water going into it. His website includes detailed information and videos of how to filter water, as well as how to install and maintain the tankless system.



Jim Snell says his computerized EZ Tankless water heater offers many advantages over earlier tankless models.

Contact: FARM SHOW Followup, EZ Tankless, P.O. Box 111, Earl Park, Ind. 47942 (ph 219 369-4781; www.eztankless.com).

Reader Inquiry No. 45