

# 450/550/600 AMP WATER-COOLED ROBOTIC TORCHES



American Weldquip water-cooled robotic torches offer you unsurpassed performance not found in competitive brands. High quality materials and workmanship go into each torch. Designed and engineered for fewer repairs, lower maintenance costs and increased consumable life ensure a lower cost of ownership.

Choose from two water-cooled torch platforms. Our conventional water-cooled torch incorporates a water-cooled/Kevlar cord power cable bundle or our exclusive “HYBRID” design which combines the ruggedness of an air-cooled torch with the benefits of water-cooling.

Our combination of a heavy-duty torch design with a unique positioning flat, solid torch mount and the ArcSafe™ for collision protection provide a highly accurate, repeatable and low maintenance robotic package for precision welding and maximum productivity.

## The WELDQUIP ADVANTAGE

**ROBUST Water-Cooled Gooseneck Design** – American Weldquip water-cooled goosenecks are designed for superior strength and heat dissipation.

All goosenecks are manufactured using a heavy-walled brass outer tube, combined with the additional crimping to the inner tube to provide added rigidity and unparalleled resistance to bending in “crash” situations. There are no o-rings to leak and all water passage joints are silver soldered and 100% quality tested.

Our robust solid gooseneck design ensures less downtime due to less neck changes-outs, increased productivity and lower maintenance when compared to competitive torch designs.

**SECURE WATER-COOLED POWER CABLE SYSTEM** – All American Weldquip conventional water-cooled cable designs incorporate a KEVLAR™ cord in the cable bundle. On competitive, conventional water-cooled torches a common problem is the failure of the power cable when excess strain is put on the electrical connections. The Kevlar cord design takes all the “pulling” strain off the cable assembly to help eliminate costly power cable failures and water leaks.

**NEXT-GENERATION HYBRID WATER-COOLED DESIGN** – Experience the advantages of lower maintenance and downtime associated with air-cooled designs and the higher welding amperages and duty cycles of water-cooled.

Utilizing an air-cooled power cable and a water-cooled gooseneck offers a substantially low maintenance robotic torch package as compared to traditional water-cooled power cable designs. You can virtually eliminate water-cooled cable failures all together. Plus, you get the additional security of not damaging the torch if water flow is accidentally stopped or restricted.

**UNIQUE LOCATING FLAT** - All American Weldquip robotic torches and mounting arms incorporate a unique locating/positioning flat. The precision machined mating surfaces guarantee repeatable and accurate TCP positioning when changing out components.

**THREAD-ON NOZZLES** – Our heavy walled nozzles thread directly on the gooseneck to provide cooler operation and a longer lasting nozzle system. The course thread, fixed position design feature insures a constant tip to nozzle relationship and consistent welding parameters.

**COMMON CONSUMABLES** – Most torches are designed to utilize the same nozzle, tip, diffuser and liner to help reduce your inventory of consumable parts.

**EASY LINER SYSTEM** – The optional NEW EASY Front Loading Liner System reduces the change-out time for liner replacement. Since the replacement is done at the front of the torch the EASY system offers the convenience of not having to lower a boom, retract wire, or climb into an unsafe area to make a liner change.

**AVAILABLE OPTIONS** - Internal Air Blast, Voltage and Touch Sensing and Replaceable Nozzle Seats.

**CUSTOM SOLUTIONS** – American Weldquip is capable of providing you custom engineered torches, mounts etc. to meet your specific requirements.

Custom-designed torches can normally be completed in a matter of days!

