MAG9003
Amphibian

Sea and land

MAG9003 AMPHIBIAN CUTTING SYSTEM

Remote Control Ignition

A very pragmatic unit shipping with a 24 volt remote control ignition system and 50’ umbilical for either land or underwater use. Patent pending. When special circumstances prevent having a topside tender, consider the MAG9003 for complete control over oxygen and ignition.

Introducing a pioneering breakthrough and the first of its kind. Over an hour of underwater cutting and almost two hours of land cutting from a single charge. Our amphibian cutting system is not only useful and practical, it represents the ultimate multi-tasking asset capable of cutting, gouging, piercing and even welding in special circumstances. For welding, consider a 36 volt ignition option. The 50’ umbilical is more than adequate for most repairs. As part of its integrated design, the new portable system not only performs from a solid platform, it also suffices as a flotation device in special circumstances.

Use the system for underwater repair, maintenance, salvage and scrap. The unit is ideal for removing debris from propeller shafts. The same dynamic system can be employed as a first responder asset for both land and marine emergencies. The compact unit displays incredible power and the newly created remote ignition switch provides ultimate diver control over current with a mere squeeze of the trigger. For utility, the cylinders boast standard CGA540 fill valves for rapid filling at standard oxygen service locations.

Each system ships completely operational once the oxygen cylinders are filled at a local welding gas supplier. Fifty cutting rods are included providing a significant cutting yield. For those situations when a welding machine is not practical, the MAG9003™ can also double as a spot welder. Repair shafts, spot weld plates, fabricate brackets and much more. A precision brass manifold connects all three cylinders for single use or multiple cylinder use, yielding over an hour of potential cutting. A remote solenoid activated ignition switch allows operator to close a topside switch for underwater ignition of flame cutting tubes.

3000 PSI COMPOSITE CYLINDERS

Two 12 volt 26 amp hour Odyssey® batteries are ideally suited for underwater ignition. Contents store in a heavy duty Pelican® case for deployment from the shore, pier, inflatable and more.

50’ umbilical

The umbilical consists of a torch cable, a ground cable, an oxygen hose and a switch cable, with appropriate terminations for connecting to the cylinders and torch.

Preset Oxygen Delivery

To control 3000 psi, Magnum has opted for a high pressure preset 150 psi oxygen regulator for each cylinder. The regulators are connected together through a connector to a single hose traveling to the torch. Easy cylinder filling and maintenance free.

Ships with:

- Pelican™ floatable case.
- Marine top valve cutting torch.
- Fifty foot umbilical assembly.
- One 24 volt battery ignition.
- One box of cutting rods.
- Three 66 cubic foot 3000 psi oxygen cylinders.
- Three 150 psi preset oxygen regulators.
- Three CGA540 3000 psi oxygen cylinder valves.
- Three 3000 psi oxygen gauges.
- One remote ignition switch and ground clamp.
- Precision float charger maintains batteries.
- Instructional video online.
- Very durable and reliable waterproof Pelican™ case.
- The 50/50 lid to base ratio includes detachable lid.
- Flotation rating: 500 lbs. (227 kgs) in saltwater.
- Fold down handles.
- Metal padlock protectors.
- Polyurethane wheels with steel bearings.
- System Weight: 175 lbs.
- Dimensions: 46" x 26" x 17"
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- Ships in 1 box by truck.
- Box 1: System.
- Box 2: Battery Ignition.
- Box 3: Flame cutting tubes.
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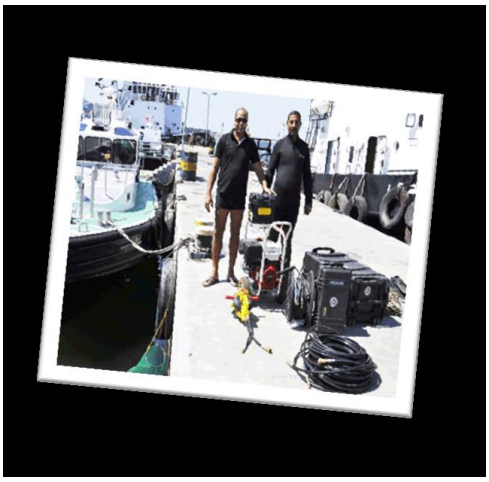
NOTE: Ships UPS in three boxes.

Unit rolls or has side handles for ultimate portability. A serious cutting and welding asset for both land or marine applications.



Floatable Pelican Case

The first of its kind. The MAG9003 offers divers complete control over the ignition process. Press the remote control switch on the ground clamp or torch (depending upon where it is installed) and a solenoid closes allowing 24 volts of current to flow to the ground. Touching the cutting rod to the anything grounded will ignite the rod. Release the button and no additional current flows. A very handy feature and one designed to prevent topside mishaps. No need for a topside knife switch since the diver controls the switch.

Amphibian with remote control ignition

New remote control underwater waterproof switch places complete control of the ignition in the hands of the diver.

Squeeze the torch lever to close the topside solenoid and cause 24 volts of current to flow through the torch to the ground. A second squeeze stops the current from flowing so the diver can cut only with oxygen.

Divers can leave current flowing during the cut (Cutting Hot) and stop the current to change cutting rods. A very convenient feature and the first of its kind. Same ignition used on our MAG6000 Pelican.

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