

**SALES SHEET**  
Document # TDS007  
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# **WILCOX'S PATRIOT®**

## **Exothermic Cutting Torch Module**

### **BACKGROUND**

Operating in chemically or biologically contaminated or oxygen deficient environments require the use of Self Contained Breathing Apparatuses (SCBA). Oftentimes, mission requirements or situations require mission personnel to utilize cutting torch technologies to either breach spaces or clear metal obstacles. Currently, commercially available oxygen cutting torch systems must be man-carried or toted as supplemental support equipment which cannot be integrated with other mission critical equipment. This situation creates an additional weight and mobility burden on the operator which is eliminated with an integrated SCBA and Oxygen Cutting Torch System.



**PATRIOT Configured with Exothermic Cutting Torch Module**

### **FEATURES**

This state of the art *Exothermic Cutting Torch Module* allows an operator to perform precision cutting using Oxygen (O<sup>2</sup>) as a fuel source, while at the same time maintaining a safe source of breathable air for the operator while integrated to the *PATRIOT®* Land Based Hybrid Life Support System (see TDS001). This exothermic cutting process allows obstacles that are typically encountered in "Breaching" or in "Confined Space Rescue" scenarios to be easily cut away, thus eliminating the need for specialized access tools. The *Exothermic Cutting Torch Module* utilizes a high pressure, aluminum lined, carbon fiber wrapped, cylinder that can be carried separately, or be mounted seamlessly to the *PATRIOT*, replacing the right breathing cylinder. The system can be charged to 3,000 psi and is O<sup>2</sup> safe.

### **THIS SYSTEM**

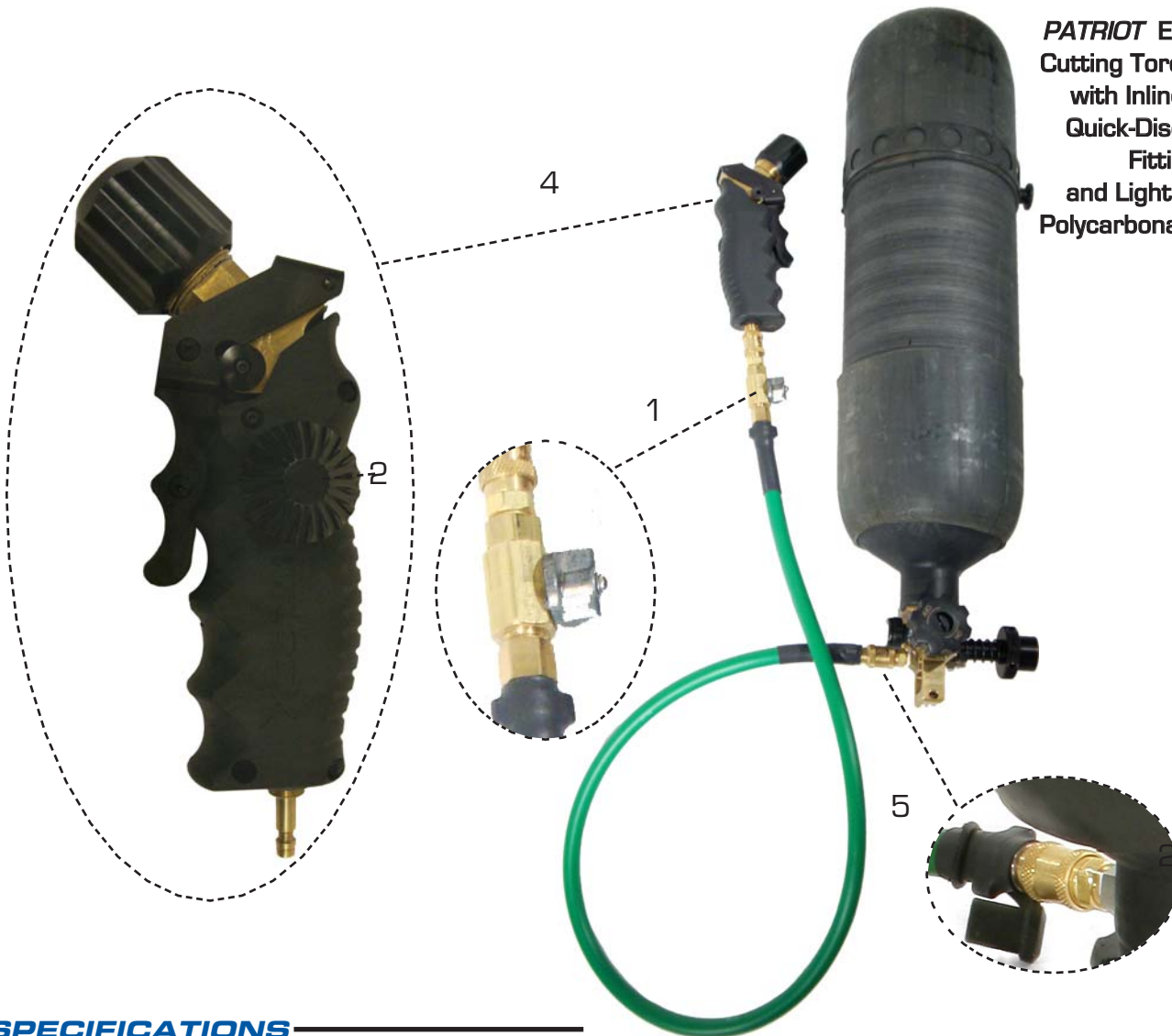
The oxygen supply of the *PATRIOT Exothermic Cutting Torch Module* continuously fuels an exothermic cutting rod that can melt ferrous and non-ferrous metals, and concrete imbedded re-bar. The cutting rod is mounted to a light weight polycarbonate torch handle that connects to the cylinder via a hose assembly. The torch handle features a trigger safety lock to prevent unintentional operation. When not operational, the hose assembly can be removed via a patented quick disconnect fitting, and the torch and hose assembly can be stowed in a carry pouch. The Universal Load Bearing Backpack System (see TDS014) integrates with an optional Torch Module Quiver that stores the torch rods in a convenient location that is readily accessible to the operator. A shut-off valve is featured as well to prevent discharge of O<sup>2</sup> gas when not in use. A cylinder valve allows the operator to secure the cylinder when not in use.

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**PATRIOT Exothermic Cutting Torch Module with In-Line Valve, Quick-Disconnect Fitting and Light Weight Polycarbonate Handle**



## SPECIFICATIONS

**Distinct Features and Specific Adjustments of the PATRIOT Exothermic Cutting Torch Module are as follows:**

- 1) An In-Line Valve is positioned within the operator's reach for easy access when controlling flow.
- 2) An additional Flow Valve is located on the Torch Handle to ease flow control during operation.
- 3) A 285 Cu In Cylinder stores the O<sup>2</sup> supply for use on demand.
- 4) The torch handle features a trigger safety lock to prevent unintentional operation.
- 5) A Quick-Disconnect Fitting at each end of the hose allows the hose to be disconnected when not in use.
- 6) Total operational weight of the *Exothermic Cutting Torch Module*, pressurized to 3,000 psi, is 13.3 lb (6.03 kg).

### ORDER NUMBER:

**20000601C** PATRIOT Land Based Hybrid Life Support System with Exothermic Cutting Torch Module

**15300601** PATRIOT Exothermic Cutting Torch Module

### ORDER NUMBER FOR ACCESSORY:

**21200P04** Torch Module Guiver (See TDS014)

**To obtain pricing information on this product, contact the Wilcox Industries Corp. Marketing Department.**

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