



OXYLANCE

**UNDERWATER CUTTING & WELDING
&
OXGEN VAPORIZING SYSTEM**

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Underwater Cutting & Welding

Oxylance manufactures a full line of underwater welding electrodes and Underwater cutting rods as well as accessories for commercial divers.



Underwater cutting electrodes in both an exothermic design, the Aqua EXO and Tubular Steel Aqualance. The Aqua EXO will burn without power after it is ignited. The Aqualance is an Oxy Arc rod that requires 300 amps of DC electricity to maintain the arc. All of our rods have a proprietary plating process that prevents the exterior of the rod from corrosion. We use a continuous heat shrink process for insulation that will not un-wrap or become brittle in cold water. Our rods can be used in other manufacturer's holders; however, the collet may have to be enlarged slightly due to our plating process. We have collets for other holders to match our rod diameters.

PART #	DESCRIPTION
37BAQUAEXO	3/8" X 18" Exothermic Cutting Rod
31EAQUALANCE	5/16" x 16" Tubular Steel Underwater Cutting Rod
UWAT02020000	Underwater Cutting Rod Holder
UNDTA2238	3/8" Collet for Craftsweld or Broco Holders
UNDTA22516	5/16" Collet for Craftsweld or Broco Holders

Aqua Exo Exothermic Cutting Rods



Aqualance Tubular Steel Cutting Rods



Regulators For Underwater Cutting



500 PSI regulator

REG-5-500-B	500 psi Regulator with 1/2" female outlet port (with B-Fitting)
REG-5-500	500 psi Regulator with 1/2" female outlet port (with No Outlet-Fitting)

Underwater Welding Stinger Holders



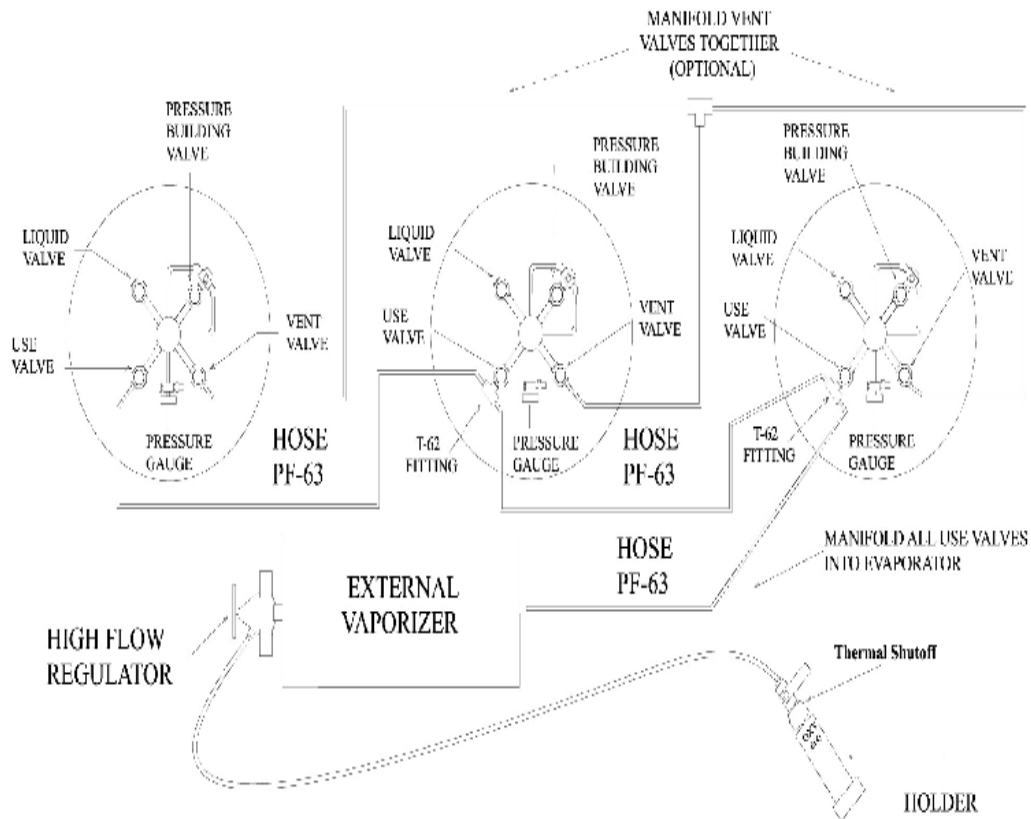
Oxygen Vaporizer Systems

MODULAR SELF CONTAINED OXYGEN SYSTEM FOR BURNING BARS OR OXYGEN LANCE PIPE

Thermic torches require high volumes of oxygen. For small jobs where the operation is only going to require a few burning bars, high pressure cylinders are the quickest and easiest methods of supplying oxygen. For large projects requiring a lot of cutting the operator may choose to use portable liquid oxygen Dewar's to supply gaseous oxygen. The volume of gaseous oxygen that a portable Dewar can provide is limited by the size of the internal vaporizer. In order to use portable Dewar's to supply gaseous oxygen for burning bars it is necessary to manifold multiple Dewar's to an external vaporizer. The number of Dewar's and the size of the vaporizer depends on the volume requirements of the burning bars being used. OxyLance has developed portable vaporizer systems to supply gaseous oxygen for all of our products. These systems come with manifold hoses to hook up the Dewar's and a high volume cryogenic regulator with dual outlets for multiple torches.

OxyLance uses Apollo ball valves designed and manufactured specifically for use with oxygen. Ball valves are the most convenient method of controlling the oxygen flow for burning bars. The LA 2 Holder comes standard with 1/2" ball valves and the LA 3 Holder comes standard with 3/4" ball valves. Available with CGA "B", "C" or "D" oxygen fittings

LIQUID OXYGEN MANIFOLD



OXYGEN VOLUME & PRESSURE REQUIREMENTS

BURNING BAR DIAMETER	OPERATING PRESSURE		CUBIC FEET PER MINUTE	
.675" O.D. (3/8" pipe)	Min. 90 psi	Max. 150 psi	30 cfm @ 90psi	45 cfm @ 150 psi
.625" O.D. (5/8" tube)	Min. 90 psi	Max. 150 psi	25 cfm @ 90psi	40 cfm @ 150 psi
.540" O.D. (1/4" pipe)	Min. 90 psi	Max. 150 psi	20 cfm @ 90 psi	30 cfm @ 150 psi
.840" O.D. (1/2" pipe)	Min. 90 psi	Max. 150 psi	60 cfm @ 90psi	75 cfm @ 150 psi
.922" O.D.	Min. 90 psi	Max. 150 psi	70 cfm @ 90psi	85 cfm @ 150 psi
1.05" O.D. (3/4" pipe)	Min. 90 psi	Max. 150 psi	80 cfm @ 90 psi	95 cfm @ 150 psi

2500 Cubic Feet Per Hour Vaporizer



For high volume gaseous oxygen when using liquid oxygen cylinders you must use an external vaporizer that is rated for the hourly flow required for the application. In order to help our customers with high volume oxygen requirements Oxylance has developed two different vaporizer systems that are completely portable. For applications using Sure Cut rods and Burning Bars up to .675" diameter, we offer the OXYVAP-2500. For applications where the operator needs to run larger burning bars or needs to run two smaller burning bars from the same oxygen source we offer the oxyvap-5000. These units are available for rent or sale.

For flow requirements for Oxylance products please refer to the flow chart on the safety information sheets.

Oxyvap-2500

EQUIPMENT	DIMENSIONS
Cryogenic Hoses	2 hose manifold for liquid inlet; 2 hose manifold for vents
Manifold Regulator	2 each 1/2" NPT outlets with CGA oxygen fittings installed
Height	7'5"
Weight	500 lbs.
Base	42" Square
Output	2500 cubic feet per minute at up to 350 PSI

5000 Cubic Feet Per Hour Vaporizer

For high volume gaseous oxygen when using liquid oxygen cylinders you must use an external vaporizer that is rated for the hourly flow required for the application. In order to help our customers with high volume oxygen requirements OxyLance has developed two different vaporizer systems that are completely portable. For applications using Sure Cut rods and Burning Bars up to .675" diameter, we offer the OXYVAP-2500. For applications where the operator needs to run larger burning bars or needs to run two smaller burning bars from the same oxygen source we offer the oxyvap-5000. These units are available for rent or sale.

For flow requirements for OxyLance products please refer to the flow chart on the safety information sheets.

Oxyvap-5000

EQUIPMENT	DIMENSIONS
Cryogenic Hoses	4 hose manifold for liquid inlet; 4 hose manifold for vents
Manifold Regulator	2 each 1/2" NPT outlets with CGA oxygen fittings installed
Height	7'6"
Weight	630 lbs.
Base	36" Square
Output	5000 cubic feet per minute at up to 350 PSI

Made in USA