

# Oxylance



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Burning Bars are cleaned for oxygen service and **MUST** be stored in a manner that prevents them from becoming contaminated by oil, grease, or any substance that will react to oxygen.

## GENERIC TERMS: EXOTHERMIC TORCH - THERMIC TORCH - MAG ROD MAG BAR - LANCE BAR - LANCE ROD - THERMIC LANCE

The Oxylance Burning Bar and Sure Cut Rods are self consuming cutting tools used in a wide variety of industries for cutting most ferrous and nonferrous metals, refractory and concrete. Benefits over conventional cutting methods are: faster cutting speeds, the ability to cut thick sections, and rusty or corroded materials.

### WHAT IS THE DIFFERENCE BETWEEN OXY-FUEL AND EXOTHERMIC CUTTING?

The Oxy-Fuel cutting torch uses a preheat flame to elevate the temperature of the material to be cut to 1500 to 1900 degrees F. When the steel becomes cherry red a high pressure jet of oxygen is directed at the pre-heated metal. The result is the metal is rapidly oxidized or it burns. This process works on material that will oxidize. If it will not rust it can not be readily cut with an oxy-fuel system.

The Exothermic process also utilizes oxidation. However, the exothermic process uses alloys in the material in the Burning Bar as the fuel and produces temperatures of 7200° degrees F. A Burning Bar consists of an outer steel tube filled with special alloy wire. The exothermic reaction (Oxidation) occurs when the tip of the rod is heated to its kindling temperature (2800°f) and pure oxygen is introduced through the bar. The chemical reaction will continue until the bar is consumed or the oxygen flow is turned off. The only gas required for this cutting operation is pure oxygen. Cutting steel with an exothermic torch requires no preheat or cleaning.

### WHAT SIZES ARE AVAILABLE?

Oxylance manufactures a variety of Burning Bars, Sure Cut Rods and Underwater Cutting Rods. 10'6" Burning Bars are available in Pipe and Tube sizes from .405" O.D. up to 1.05" O.D. The smaller Sure Cut Rods are available in Tube sizes of 1/4" and 3/8" O.D. in lengths of 24", 36" and 48 inches. 3/8" rods are available in Plain End or Quick Connect. All tubing is measured by **OUTSIDE DIAMETER** and pipe is measured by nominal inside diameter. Oxylance identifies both pipe and tubing by the **OUTSIDE DIAMETER** in order to identify the proper holder required for a particular size Burning Bar.

### WHAT IS THE MOST IMPORTANT PART OF THE EQUIPMENT?

Other than proper fire proof clothing and eye protection, the most important part of the system is the Oxygen Supply, Oxygen Hose and Regulator. For most applications involving the large Burning Bars Oxylance recommends 1/2" hose and a High Flow Regulator with a 1/2" port on the output side. This eliminates the possibility of flow restriction and ensures proper volume of oxygen to the Burning Bar.

### WHAT IS THE MOST CRITICAL PART OF THE EXOTHERMIC PROCESS?

**OXYGEN VOLUME** and **PRESSURE** are vital to safe operations of both Burning Bars and Sure Cut Rods. Volumes and Pressures required are listed with the part numbers of each size Burning Bar or Sure Cut Rod. You **MUST** supply the minimum volume and pressure for safe efficient operation. You **CAN NOT** operate Burning Bars or Sure Cut Rods from a single liquid oxygen tank (Dewar<sup>®</sup>) without an external vaporizer. See Oxygen Vaporizer section.

APPLICATIONS		
STEEL MILLS / FOUNDRIES	POWER PLANTS / REFINERIES	EMERGENCY / RESCUE
Cleaning Up Metal Spills	Removing Boiler Tubes	Train Derailments
Opening Tap Holes	Remove / Replace Precipitators	Breeching Operations
Repairing Slag Pots	Removing Frozen Pins	Cutting Burglar Bars
Cutting Refractory	Repair Large Rollers	Open Doors w/ Hardened Deadbolt
Cutting Skulls,	Gouging Cracks in Thick Material	Cutting collapsed structures
Cutting Slag	Cut / Pierce Concrete	Cutting Guardrails
Processing Scrap	Cut Laminated Material	Used by Farm Medic Teams
Ferrous and Non Ferrous Smelters	Cut Steel Underwater	Military / Police

# TERMS AND CONDITIONS

## MINIMUM ORDERS:

Oxylance has a \$50.00 minimum order. This is \$50.00 of product not including freight.

## RESTOCKING:

1. All returns must have "Return Material Authorization" (RMA) number issued by Oxylance.
2. All products must be returned freight pre-paid to Oxylance Inc.
3. All products are subject to inspection and approval by Oxylance prior to issue of credit.
4. All products are subject to a minimum 25% re-stocking charge.
5. After inspection, credit will be issued to customer's account less re-stocking, repair, and shipping charges.
6. **NO** credit will be issued for freight charges incurred by Oxylance.
7. **NO** "RMA" will be issued for;  
Special order and/or custom items; Items on invoices over 120 days: Goods that have been used.

## SHIPPING POLICY:

All Oxylance products are sold F.O.B. our plant located in Birmingham, AL.

## PART NUMBERS BREAKDOWN:

In Oxylance part numbers the following nomenclature is used.

## BURNING BARS;

First 2 Numbers identifies the outside diameter of the Burning Bar i.e. 54 (.540") 62 (.625") 67 (.675") First Letter indicates the Product Line i.e. B = Burning Bar

Next 4 Numbers is the length i.e. 0525 = 5'3" and 1050 = 10.5' (10'6")

Last Letter is the end finish i.e. A = Plain End, C = Quick Connect, D = Threaded on Holder End and

F = Threaded Both Ends and Coupled (NPT pipe threads and a pipe collar). Threaded end finish is only available on pipe sizes and can only be supplied in National Pipe Thread (NPT)

## HOLDERS:

First 3 positions identifies the Holder type i.e. LA1 is for Lever Action #1

Next 3 or 4 numbers identifies the size Burning Bar or lance pipe the holder accommodates

Letters after the numbers identify the options such as G (Oxylance Ball Valve), F Thermal Shutoff (Flash Back), and S (Shield)

The next position will be a dash – and the letter B, C, or D. This letter will identify the CGA oxygen fitting size. CGA "B", CGA "C" or CGA "D" as required for various size hoses.

Repair Parts for Holders - many of the repair parts for holders will have a dash and a number at the end of the part number i.e. LAP1-1 refers to an item number in the accompanying photo or drawing. Some of our repair parts will fit more than one Holder and are listed with each Holder separately.

STANDARD BURNING BAR (THERMIC TORCH) PART NUMBERS 10'6"			
SIZE	PART #	.675" O.D. 3/8" pipe / 11/16" tube (Weight 10 lbs ea.)	OXYGEN FLOW
<b>.675" X 10'6"</b>	67B1050A	.675" X 10'6" Plain End	90 psi      30 cfm 150 psi      45 cfm Burn Time 4.5 Minutes
	67B1050C	.675" X 10'6" Quick Connect	
	67B1050D	.675" X 10'6" Threaded on Holder End (3/8" npt)	
	67B1050F	.675" X 10'6" Threaded Both Ends with 3/8" pipe collar	
SIZE	PART #	.625" O.D. 5/8" tube (Weight 9 lbs ea.)	OXYGEN FLOW
<b>.625" X 10'6"</b>	62B1050A	.625" X 10'6" Plain End	90 psi      25 cfm 150 psi      40 cfm Burn Time 4.5 Minutes
	62B1050C	.625" X 10'6" Quick Connect	
	<b>.625" Burning Bars not available with threads</b>		
SIZE	PART #	.540" O.D. / 1/4" pipe (Weight 6.5 lbs.)	OXYGEN FLOW
<b>.540" X 10'6"</b>	54B1050A	.540" X 10'6" Plain End	90 psi      20 cfm 150 psi      30 cfm Burn Time 4.5 Minutes
	54B1050C	.540" X 10'6" Quick Connect	
	54B1050D	.540" X 10'6" Threaded on Holder End (1/4" npt)	
	54B1050F	.540" X 10'6" Threaded Both Ends with 1/4" pipe collar	
SPECIAL ORDER LENGTH 5'3"			
SIZE	PART #	.675" O.D. 3/8" pipe / 11/16" tube (Weight 5 lbs ea.)	OXYGEN FLOW
<b>.675" X 5'3"</b>	67B0525A	.675" X 5'3" Plain End	90 psi      30 cfm 150 psi      45 cfm Burn Time 2.25 Minutes
	67B0525C	.675" X 5'3" Quick Connect	
	67B0525D	.675" X 5'3" Threaded on Holder End (3/8" npt)	
	67B0525F	.675" X 5'3" Threaded Both Ends with 3/8" pipe collar	
SIZE	PART #	.625" O.D. 5/8" tube (Weight 4.5 lbs ea.)	OXYGEN FLOW
<b>.625" X 5'3"</b>	62B0525A	.625" X 5'3" Plain End	90 psi      25 cfm 150 psi      40 cfm Burn Time 2.25 Minutes
	62B0525C	.625" X 5'3" Quick Connect	
	<b>.625" Burning Bars not available with threads</b>		
SIZE	PART #	.540" O.D. / 1/4" pipe (Weight 3.25 lbs.)	OXYGEN FLOW
<b>.540" X 5'3"</b>	54B0525A	.540" X 5'3" Plain End	90 psi      20 cfm 150 psi      30 cfm Burn Time 2.25 Minutes
	54B0525C	.540" X 5'3" Quick Connect	
	54B0525D	.540" X 5'3" Threaded on Holder End (1/4" npt)	
	54B0525F	.540" X 5'3" Threaded Both Ends with 1/4" pipe collar	
SPECIAL ORDER LARGE DIAMETER BURNING BARS (THERMIC TORCH) 10'6" (LENGTH ONLY)			
SIZE	PART #	1.05" O.D. tube or 3/4" pipe (Weight 25 lbs ea.)	OXYGEN FLOW
<b>1.05" X 10'6"</b>	10B1050A	1.05" X 10'6" Plain End	90 psi      80 cfm 150 psi      95 cfm Burn Time 4.5 Minutes
	10B1050C	1.05" X 10'6" Quick Connect	
SIZE	PART #	.922" O.D. tube (Weight 18 lbs ea.)	OXYGEN FLOW
<b>.922" X 10'6"</b>	92B1050A	.922" X 10'6" Plain End	90 psi      70 cfm 150 psi      85 cfm Burn Time 4.5 Minutes
	92B1050C	.922" X 10'6" Quick Connect	
SIZE	PART #	.840" O.D. tube or 1/2" pipe (Weight 16 lbs ea.)	OXYGEN FLOW
<b>.840" X 10'6"</b>	84B1050A	.840" X 10'6" Plain End	90 psi      60 cfm 150 psi      75 cfm Burn Time 4.5 Minutes
	84B1050C	.840" X 10'6" Quick Connect	

# LEVER ACTION HOLDERS



Lever Action Holder with Thermal Shutoff and Ball Valve (optional hand shield not shown)  
ALL HOLDERS ARE SHIPPED WITH A RUBBER GROMMET INSTALLED

#1 LEVER ACTION HOLDER for .405" to .675" ( 1/8" to 3/8" pipe and tube sizes)			
PART #	DESCRIPTION		
<b>.405" O.D. tube or 1/8" Pipe</b>		<b>HOLDER WITH SHIELD</b>	
LA1405	#1 Lever Action Holder (no valve) w/ .405 Grommet	LA1405-S	with Hand Shield
PL1/8-6	LA 1 Rubber Grommet for 405" pipe		
LA1405F	#1 Lever Action Holder w/ 1/2" Thermal Shutoff	LA1405FS	with Hand Shield
LA1405FG	#1 Lever Action Holder w/ Ball Valve & Thermal Shutoff	LA1405FGS	with Hand Shield
*LA1405FV	#1 Lever Action Holder w/ Lever Valve* & Thermal Shutoff	LA1405FVS	with Hand Shield
<b>.540" O.D. tube or 1/4" Pipe</b>		<b>HOLDER WITH SHIELD</b>	
LA1540	#1 Lever Action Holder (no valve) w/ .540" Grommet	LA1540-S	with Hand Shield
PL 10-6	LA 1 Rubber Grommet for .540" (1/4" pipe)		
LA154F	#1 Lever Action Holder w/ 1/2" Thermal Shutoff	LA154F-S	with Hand Shield
LA1540FG	#1 Lever Action Holder w/ Ball Valve & Thermal Shutoff	LA1540FGS	with Hand Shield
*LA1540FV	#1 Lever Action Holder w/ Lever Valve* & Thermal Shutoff	LA1540FVS	with Hand Shield
# 2 LEVER ACTION HOLDER for .540" .625" and .675" O.D. pipe			
<b>.540" O.D. tube or 1/4" Pipe w/ CGA "B" for 3/8" hose</b>		<b>HOLDER WITH SHIELD</b>	
LA254	# 2 Lever Action Holder (no valve ) w/ .540" Grommet	LA254-S	with Hand Shield
LA254I	LA 2 Rubber Grommet for .540" (1/4" pipe)		
LA254FG-B	# 2 LA Holder w/ Ball Valve & 1/2" Thermal Shutoff	LA254FGS-B	with Hand Shield
*LA254FV-B	# 2 LA Holder w/ Lever Valve* & 1/2" Thermal Shutoff	LA254FVS-B	with Hand Shield
<b>.540" O.D. tube 1/4" Pipe with/ CGA "C" for 1/2" hose</b>		<b>HOLDER WITH SHIELD</b>	
LA254FG-C	# 2 LA Holder w/ Ball Valve & 1/2" Thermal Shutoff	LA254FGS-C	with Hand Shield
*LA254FV-C	# 2 LA Holder w/ Lever Valve* & 1/2" Thermal Shutoff	LA254FVS-C	with Hand Shield
<b>.675" and .625" O.D. tube w/ CGA "B" for 3/8" hose</b>		<b>HOLDER WITH SHIELD</b>	
LA2675	# 2 Lever Action Holder (no valve )	LA2675-S	with Hand Shield
LA2675I	LA 2 Rubber Grommet for .625" and .675" O.D.		
LA267FG-B	# 2 LA Holder w/ Ball Valve & 1/2" Thermal Shutoff	LA267FGS-B	with Hand Shield
*LA267FV-B	# 2 LA Holder w/ Lever Valve* & 1/2" Thermal Shutoff	LA267FVS-B	with Hand Shield
<b>.675" and .625" O.D. tube w/ CGA "C" for 1/2" hose</b>		<b>HOLDER WITH SHIELD</b>	
LA267FG-C	# 2 LA Holder w/ Ball Valve & 1/2" Thermal Shutoff	LA267FGS-C	with Hand Shield
*LA267FV-C	# 2 LA Holder w/ Lever Valve* & 1/2" Thermal Shutoff	LA267FVS-C	with Hand Shield

For the LA 2 Holder the LA2675I Grommet fits both .625" and .675" diameter tube

FOR ALL HOLDERS FOR BURNING BARS AND LANCE PIPE LARGER THAN .540" AND LARGER OXYLANCE RECOMMENDS THAT 1/2" HOSE BE USED WHICH REQUIRES A CGA "C" FITTING

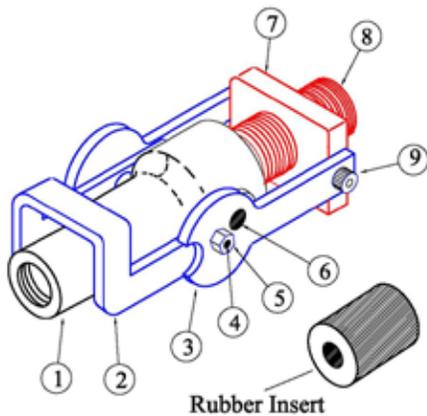
\*LV Valve NOT RECOMMENDED FOR PRESSURES OVER 200 PSI



**Lever Action Holder with Thermal Shutoff and Ball Valve (optional hand shield not shown)  
ALL HOLDERS ARE SHIPPED WITH A RUBBER GROMMET INSTALLED**

# 3 LEVER ACTION HOLDER for .840", .922" or 1.050" O.D. pipe			
PART #	DESCRIPTION		
<b>.840" O.D. tube or 1/2" pipe</b>		<b>HOLDER WITH SHIELD</b>	
LA384	# 3 Lever Action Holder (no valve)	LA384S	with Hand Shield
LA3840I	LA 3 Rubber Grommet for .840" O.D. tube or 1/2" pipe		
LA384F	# 3 LA Holder 3/4" NPT Thermal Shutoff (no valve)	LA384FS	with Hand Shield
LA384FG	# 3 LA Holder w/ Ball Valve & 3/4" Thermal Shutoff	LA384FGS	with Hand Shield
LA384FG-C	Same as LA384FG with CGA "C" Fitting	LA384FGS-C	with Hand Shield
<b>.922" O.D. tube</b>		<b>HOLDER WITH SHIELD</b>	
LA392	# 3 Lever Action Holder (no valve)	LA392S	with Hand Shield
LA3922I	LA 3 Rubber Grommet for .922" O.D. tube		
LA3922F	# 3 LA Holder 3/4" NPT Thermal Shutoff (no valve)	LA392FS	with Hand Shield
LA3922FG	# 3 LA Holder w/ Ball Valve & 3/4" Thermal Shutoff	LA392FGS	with Hand Shield
LA3922FG-C	Same as LA392FG with CGA "C" Fitting	LA392FGS-C	with Hand Shield
<b>1.05" O.D. tube or 3/4" pipe</b>		<b>HOLDER WITH SHIELD</b>	
LA3105	# 3 Lever Action Holder (no valve)	LA3105S	with Hand Shield
LA3105I	LA 3 Rubber Grommet for 1.05" O.D. tube or 3/4" pipe		
LA3105F	# 3 LA Holder 3/4" NPT Thermal Shutoff (no valve)	LA3105FS	with Hand Shield
LA3105FG	# 3 LA Holder w/ Ball Valve & 3/4" Thermal Shutoff	LA3105FGS	with Hand Shield
LA3105FG-C	Same as LA3105FG with CGA "C" Fitting	LA3105FGS-C	with Hand Shield
NO SHIELD AVAILABLE FOR LA4 OR LA5 HOLDERS			
# 4 LEVER ACTION HOLDER for 1.250" tube or 1.315" O.D. tube or 1" pipe			
LA41315	# 4 Lever Action Holder (no valve)		
LA41315I	LA 4 Rubber Grommet for 1.25" and 1.315" O.D. tube or 1" pipe		
LA41315F4	# 4 LA Holder w/ 1" Thermal Shutoff		
LA41315FB4	# 4 LA Holder w/ Ball Valve & 1" Thermal Shutoff		
LA41315F5	# 4 LA Holder w/ 1 1/4" Thermal Shutoff		
LA41315FB5	# 4 LA Holder w/ Ball Valve & 1 1/4" Thermal Shutoff		
1.315" Rubber Insert works for both 1.250 and 1.315 inch O.D.			
# 5 LEVER ACTION HOLDER for 1.66" O.D. tube or 1 1/4" pipe			
LA 5166	# 5 Lever Action Holder (no valve)		
LA5166I	LA 5 Rubber Grommet for 1.66" O.D. tube or 1 1/4" pipe		
LA5166F	# 5 LA Holder w/ 1 1/4" Thermal Shutoff		
LA5166FB	# 5 LA Holder w/ Ball Valve & 1 1/4" Thermal Shutoff		

# LEVER ACTION REPAIR PARTS



- 1 Body
  - 2 Lever Handle
  - 3 Inner Link (2 each)
  - 4 Link Bolts (2 each)
  - 5 Link Bolt Nuts (2 each)
  - 6 Hinge Pins (2 each behind Inner Link)
  - 7 Barrel Nut
  - 8 Barrel
  - 9 Barrel Nut Bolts (2 each)
  - 10 Hand Shield (Photo on right)
- Note: Part # 6 On LA 4 & LA 5 is a hinge bolt.**
- 1- 10 i.d. numbers in drawing refers to last number in part numbers below



LA 1 PARTS	
PART #	DESCRIPTION
LAP1-1	# 1 LA Body
LAP1-2	# 1 LA Lever Handle
LAP1-3	# 1 LA Inner Link
LAP234-4	Link Bolt
LAP234-5	Link Bolt Nut
LAP234-6	Hinge Pin
LAP1-7	# 1 Barrel Nut
LAP1-8	# 1 Barrel
LAP234-9	Barrel Nut Bolt
LAP1-10	# 1 Hand Shield & Shield Nuts

LA 2 PARTS	
PART #	DESCRIPTION
LAP2-1	# 2 LA Body
LAP23-2	# 2 LA Lever Handle
LAP23-3	# 2 LA Inner Link
LAP234-4	Link Bolt
LAP234-5	Link Bolt Nut
LAP234-6	2 Hinge Pin
LAP2-7	# 2 Barrel Nut
LAP2-8	# 2 Barrel
LAP234-9	Barrel Nut Bolt
LAP2-10	# 2 Hand Shield & Shield Nuts

LA 3 PARTS	
PART #	DESCRIPTION
LAP3-1	# 3 LA Body
LAP23-2	# 3 LA Lever Handle
LAP23-3	# 3 LA Inner Link
LAP234-4	Link Bolt
LAP234-5	Link Bolt Nut
LAP234-6	Hinge Pin
LAP3-7	# 3 Barrel Nut
LAP3-8	# 3 Barrel
LAP234-9	Barrel Nut Bolt
LAP3-10	# 3 Hand Shield & Shield Nuts

LA 4 PARTS	
PART #	DESCRIPTION
LAP4-1	# 4 LA Body
LAP4-2	# 4 LA Lever Handle
LAP4-3	# 4 LA Inner Link
LAP234-4	Link Bolt
LAP234-5	Link Bolt Nut
LAP4-6	4 Hinge Pin
LAP4-7	# 4 Barrel Nut
LAP4-8	# 4 Barrel
LAP234-9	Barrel Nut Bolt

LA 5 PARTS	
PART #	DESCRIPTION
LAP5-1	# 3 LA Body
LAP5-2	# 3 LA Lever Handle
LAP5-3	# 3 LA Inner Link
LAP5-4	Link Bolt
LAP5-5	Link Bolt Nut
LAP5-6	Hinge Pin
LAP5-7	# 3 Barrel Nut
LAP5-8	# 3 Barrel
LAP5-9	Barrel Nut Bolt

LA RUBBER GROMMETS	
PART #	DESCRIPTION
PL 1/8-6	LA 1 Grommet for .405 O.D.
PL 10-6	LA 1 Grommet for .540 O.D.
LA2540I	LA 2 Grommet for .540 O.D.
LA2675I	LA 2 Grommet for .675 O.D.
LA3840I	LA 3 Grommet for .840 O.D.
LA3922I	LA 3 Grommet for .922 O.D.
LA3105I	LA 3 Grommet for 1.05 O.D.
LA41315I	LA 4 Grommet for 1.315 O.D.
LA5166I	LA 5 Grommet for 1.66 O.D.



PART NUMBERS AND MATCHING PIPE / TUBE SIZE				
PART #	PIPE SIZE	TUBE DIAM.	DESCRIPTION	HOSE FITTING
OXY654FG-B	1/4"	.540 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY654FV-B	1/4"	.540 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY654FG-C	1/4"	.540 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY654FV-C	1/4"	.540 O.D.	With Thermal Shutoff and Lever Valve	"C"
OXY662FG-B	---	.625 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY662FV-B	---	.625 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY662FG-C	---	.625 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY662FV-C	---	.625 O.D.	With Thermal Shutoff and Lever Valve	"C"
OXY667FG-B	3/8"	.675 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY667FV-B	3/8"	.675 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY667FG-C	3/8"	.675 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY667FV-C	3/8"	.675 O.D.	With Thermal Shutoff and Lever Valve	"C"

REPLACEMENT PARTS				
PART #	PIPE SIZE	TUBE DIAM.	DESCRIPTION	
OXY600CAP	---	---	End Cap	
OXY654I	1/4"	.540 O.D.	Rubber Grommet (ID number on grommet 54)	
OXY662I	---	.625 O.D.	Rubber Grommet (ID number on grommet 62)	
OXY667I	3/8"	.625 O.D.	Rubber Grommet (ID number on grommet 67)	
OXY0002	---	---	1/2" Male NPT Thermal Shutoff	
VAL-OXY-1/2	---	---	1/2" Oxylance Ball Valve	
VAL-LV-1/2	---	---	Lever Valve (Maximum Pressure 200 PSI)	
FTHW-144	---	---	"B" Fitting X 1/2" male NPT	
FTHW-C-32	---	---	"C" Fitting X 1/2" male NPT	



# OXY 600 SERIES HOLDER W/HAND SHIELD



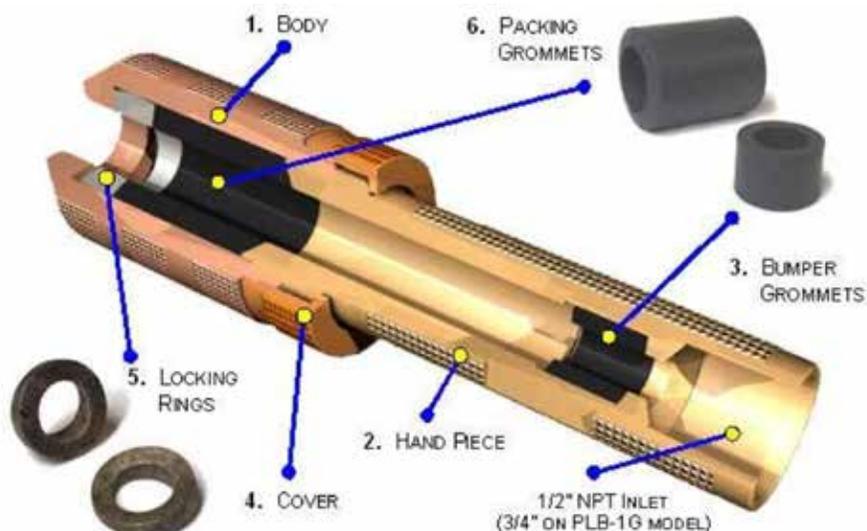
## PART NUMBERS AND MATCHING PIPE / TUBE SIZE

PART #	PIPE SIZE	TUBE DIAM.	DESCRIPTION Holder with Shield	HOSE FITTING
OXY654FGS-B	1/4"	.540 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY654FVS-B	1/4"	.540 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY654FGS-C	1/4"	.540 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY654FVS-C	1/4"	.540 O.D.	With Thermal Shutoff and Lever Valve	"C"
OXY662FGS-B	---	.625 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY662FVS-B	---	.625 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY662FGS-C	---	.625 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY662FVS-C	---	.625 O.D.	With Thermal Shutoff and Lever Valve	"C"
OXY667FGS-B	3/8"	.675 O.D.	With Thermal Shutoff and Ball Valve	"B"
OXY667FVS-B	3/8"	.675 O.D.	With Thermal Shutoff and Lever Valve	"B"
OXY667FGS-C	3/8"	.675 O.D.	With Thermal Shutoff and Ball Valve	"C"
OXY667FVS-C	3/8"	.675 O.D.	With Thermal Shutoff and Lever Valve	"C"

## REPLACEMENT PARTS

PART #	PIPE SIZE	TUBE DIAM.	DESCRIPTION
OXY 600S	---	---	Hand Shield
OXY 600CAP	---	---	End Cap
OXY 654I	1/4"	.540 O.D.	Rubber Grommet (ID number on grommet 54)
OXY 662I	---	.625 O.D.	Rubber Grommet (ID number on grommet 62)
OXY 667I	3/8"	.675 O.D.	Rubber Grommet (ID number on grommet 67)
OXY0002	---	---	1/2" Male NPT Thermal Shutoff
VAL-OXY-1/2			1/2" Oxylance Ball Valve
VAL-LV-1/2	---	---	Lever Valve (Maximum Pressure 200 PSI)
FTHW-144	---	---	"B" Fitting X 1/2" male NPT
FTHW-C-32	---	---	"C" Fitting X 1/2" male NPT

LEVER VALVE IS NOT RECOMMENDED FOR OPERATING PRESSURES OVER 200 PSI



1/8" Pipe (.405" O.D.)	
PART #	DESCRIPTION
PL1/8	PL Holder for 1/8" Pipe
PL1/8FG	PL 1/8 with Thermal Shutoff & Ball Valve
PL1/8FV	PL 1/8 with Thermal Shutoff & Lever Valve
PL1/8-1	PL 1/8 Body
PL1/8-2	PL 1/8 Hand Piece
PL1/8-3	PL 1/8 Bumper Grommet
PL1/8-4	PL 1/8 Cover
PL1/8-5	PL 1/8 Locking Ring
PL1/8-6	PL 1/8 Packing Grommet

3/8" Pipe (.675" O.D.)	
PART #	DESCRIPTION
PL11	PL Holder for 3/8" Pipe
PL11FG	PL 11 with Thermal Shutoff & Ball Valve
PL11FV	PL 11 with Thermal Shutoff & Lever Valve
PL11-1	PL 11 Body
PL11-2	PL 11 Hand Piece
PL11-3	PL 11 Bumper Grommet
PL11-4	PL 11 Cover
PL11-5	PL 11 Locking Ring
PL11-6	PL 11 Packing Grommet

1/4" Pipe (.540" O.D.)	
PART #	DESCRIPTION
PL10	PL Holder for 1/4" Pipe
PL10FG	PL 10 with Thermal Shutoff & Ball Valve
PL10FV	PL 10 with Thermal Shutoff & Lever Valve
PL10-1	PL 10 Body
PL10-2	PL 10 Hand Piece
PL10-3	PL 10 Bumper Grommet
PL10-4	PL 10 Cover
PL10-5	PL 10 Locking Ring
PL10-6	PL 10 Packing Grommet

1/2" Pipe (.840" O.D.)	
PART #	DESCRIPTION
PL12	PL Holder for 1/2" Pipe
PL12FG	PL 12 with Thermal Shutoff & Ball Valve
PL12FV	PL 12 with Thermal Shutoff & Lever Valve
PL12-1	PL 12 Body
PL12-2	PL 12 Hand Piece
PL12-3	PL 12 Bumper Grommet
PL12-4	PL 12 Cover
PL12-5	PL 12 Locking Ring
PL12-6	PL 12 Packing Grommet

5/8" Tube (.625" O.D.)	
PART #	DESCRIPTION
PL5/8	PL Holder for 5/8" O.D. Tube
PL5/8FG	PL 5/8 with Thermal Shutoff & Ball Valve
PL5/8FV	PL 5/8 with Thermal Shutoff & Lever Valve
PL11-1	PL 11 Body
PL11-2	PL 11 Hand Piece
PL11-3	PL 11 Bumper Grommet
PL11-4	PL 11 Cover
PL5/8-5	PL 5/8 Locking Ring
PL5/8-6	PL 5/8 Packing Grommet

# THERMAL SHUTOFFS (ANTI SLAG DEVICE)



	Cut Away L to R	1/2"	3/4"	1"
PART #	DESCRIPTION			
OXY0002	1/2" Male NPT Thermal Shutoff (Anti Slag Device)			
OXY0003	3/4" Male NPT Thermal Shutoff (Anti Slag Device)			
OXY0004	1" Male NPT Thermal Shutoff (Anti Slag Device)			

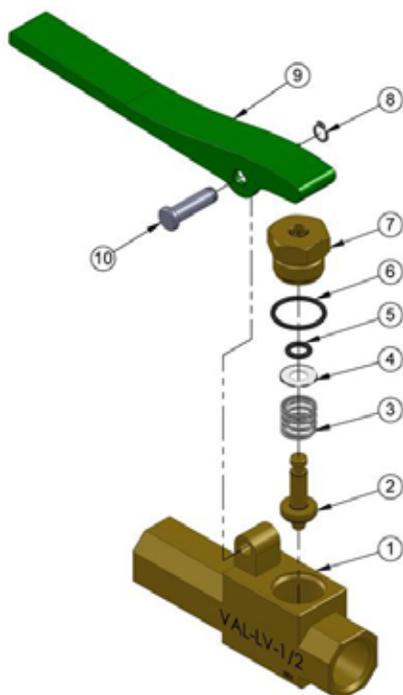
The Oxylance anti-slag safety device performs **three (3) important safety functions** which help protect the user and the equipment. These functions are as follows:

- 1. HIGH GAS VOLUME NON-RETURN VALVE:** The high gas volume non-return valve prevents the reverse flow of oxygen into the hose.
- 2. THERMAL SHUTOFF DEVICE:** The thermal shutoff activates cutting off the oxygen flow instantly extinguishing the burning bar / oxygen lance pipe if the bar / pipe burns back into the holder, if slag enters the holder, and / or heating of the holder to the point of injuring the operator (i.e., 3 to 5 second internal heating to 160 C +/- 5 degrees).
- 3. ANTI-SLAG & BACKFIRE BARRIER:** The combination anti-slag anti-back fire element provides several safety functions. The barrier prevents molten slag and backfires from igniting the oxygen hose. In addition, the barrier helps activate the thermal shut off stopping the flow of oxygen and extinguishing the fire.



## BALL VALVE

REPAIR PARTS	
PART #	DESCRIPTION
VAL-OXY-1/2	1/2" Oxylance Ball Valve
VAL-OXY-3/4	3/4" Oxylance Ball Valve



## LEVER VALVE

ITEM	DESCRIPTION
1	1/2" NPT VALVE BODY
2	VALVE STEM
3	VALVE SPRING
4	TEFLON WASHER
5	VALVE STEM O-RING
6	RETAINING NUT O-RING
7	RETAINING NUT
8	LEVER PIN RETAINING CLIP
9	HANDLE
10	LEVER PIN

PART #	DESCRIPTION
VAL-V25	1/4" Lever Valve
VAL-V25-LK	Replacement Lever and Pin #9 Lever #8 Lever Pin Retaining Clip #10 Lever Pin
VAL-V25-VRK	Repair Kit #2 Stem, #3 Spring, #4 Washer, #5 Stem O-Ring #6 Retaining O-Ring #7 Nut
VAL-LV-1/2	Lever Valve 1/2" npt Port In and Out
VAL-LV-1/2-B	Lever Valve w / CGA "B" Fitting in the In Port
VAL-V-LV-1/2-C	Lever Valve w / CGA "C" Fitting in the In Port
VAL-LV-LK	Replacement Lever and Pin #9 Lever #8 Lever Pin Retaining Clip #10 Lever Pin
VAL-LV-VRK	Repair Kit #2 Stem, #3 Spring, #4 Washer, #5 Stem O-Ring #6 Retaining O-Ring #7 Nut

**\*\* CAUTION \*\***

**LEVER VALVE RECOMMENDED FOR MAXIMUM PRESSURE OF 200 PSI**

# OXYGEN REGULATORS



**FOR HIGH PRESSURE  
OXYGEN CYLINDERS ONLY**

<b>HIGH FLOW / HIGH PRESSURE REGULATORS WITH 1/2" OUTLET PORT</b>	
<b>PART #</b>	<b>DESCRIPTION</b>
<b>250 PSI OUT</b>	<b>250 PSI High Volume (10,000 cfh) 1/2" npt Outlet Port (NOT FOR LIQUID OXYGEN CYLINDERS)</b>
REG-5-250	250 psi Regulator npt female outlet port (no outlet fitting) (NOT FOR LIQUID OXYGEN CYLINDERS)
REG-5-250 B	250 psi Regulator with CGA "B" fitting for 3/8" hose (NOT FOR LIQUID OXYGEN CYLINDERS)
REG-5-250 C	250 psi Regulator with CGA "C" fitting for 1/2" hose (NOT FOR LIQUID OXYGEN CYLINDERS)
REG-5-250 D	250 psi Regulator with CGA "D" fitting for 3/4" hose (NOT FOR LIQUID OXYGEN CYLINDERS)

<b>REGULATORS FOR UNDERWATER CUTTING</b>	
<b>PART #</b>	<b>DESCRIPTION</b>
<b>500 PSI OUT</b>	<b>500 PSI High Volume (10,000 cfh) 1/2" npt Outlet Port (NOT FOR LIQUID OXYGEN CYLINDERS)</b>
REG-5-500	500 psi Regulator with 1/2" npt female outlet port (no outlet fitting) (NOT FOR LIQUID OXYGEN CYLINDERS)
REG-5-500 B	500 psi Regulator with CGA "B" fitting for high pressure 3/8" hose (NOT FOR LIQUID OXYGEN CYLINDERS)
REG-5-500 C	500 psi Regulator with CGA "C" fitting for high pressure 1/2" hose (NOT FOR LIQUID OXYGEN CYLINDERS)



This unique regulator can be used with either **LIQUID OXYGEN OR HIGH PRESSURE CYLINDERS**. High volume regulator has 1/2" inlet and outlet ports. Regulator is available as either a manifold regulator (as pictured) or with a CGA 540 nut and nipple for high pressure cylinders.

PART NUMBER AS MANIFOLD REGULATOR:                   REG-6700  
 PART NUMBER FOR HIGH PRESSURE CYLINDERS       REG-6700-540  
 PART NUMBERS FOR REGULATORS WITH CGA OUTLET FITTINGS

<b>PART #</b>	<b>DESCRIPTION</b>
REG-6700-540-B	High flow regulator w/CGA "B" fitting for 3/8" hose
REG-6700-540-C	High flow regulator w/CGA "C" fitting for 1/2" hose
REG-6700-540-D	High flow regulator w/CGA "D" fitting for 3/4" hose



3/8", 1/2", 3/4"	
PART #	DESCRIPTION
HL1/2X50C	Lance Hose 1/2" id X 50 feet long with CGA "C" fittings
HL1/2X75C	Lance Hose 1/2" id X 75 feet long with CGA "C" fittings
HL1/2X100C	Lance Hose 1/2" id X 100 feet long with CGA "C" fittings
HL1/2X150C	Lance Hose 1/2" id X 150 feet long with CGA "C" fittings
HL3/4X50D	Lance Hose 3/4" id X 50 feet long with CGA "D" fittings
HL3/4X100D	Lance Hose 3/4" id X 100 feet long with CGA "D" fittings
HL3/4X125D	Lance Hose 3/4" id X 125 feet long with CGA "D" fittings

Oxylance Inc. recommends minimum of 1/2" hose for all burning bar applications.

IF 3/8" HOSE IS USED IT MUST BE A SINGLE RUN OF HOSE WITH NO SPLICES OR CONNECTORS THAT WILL RESTRICT THE OXYGEN FLOW. REPAIRING 3/8" HOSE OR JOINING 2 SECTIONS TOGETHER WILL REDUCE THE FLOW TOO MUCH

FOR THE BURNING BAR TO OPERATE PROPERLY.

WE WILL NOT BE RESPONSIBLE FOR BURNING BAR PERFORMANCE IF USED WITH 3/8" HOSE.

PART #	DESCRIPTION
HL3/8X25B	Lance Hose 3/8" id X 25 feet long with CGA "B" fittings
HL3/8X50B	Lance Hose 3/8" id X 50 feet long with CGA "B" fittings
HL3/8X75B	Lance Hose 3/8" id X 75 feet long with CGA "B" fittings
HL3/8X100B	Lance Hose 3/8" id X 100 feet long with CGA "B" fittings
HL3/8X50C	Lance Hose 3/8" id X 50 feet long with CGA "C" fittings
HL3/8X75C	Lance Hose 3/8" id X 75 feet long with CGA "C" fittings
HL3/8X100C	Lance Hose 3/8" id X 100 feet long with CGA "C" fittings

CALL FOR PART NUMBERS FOR 500 PSI LANCING OR SCARFING HOSE. THESE HOSES ARE SPECIAL ORDER AND ARE AVAILABLE IN 50 AND 100 FOOT LENGTHS ONLY.

AVAILABLE IN 1/2", 3/4", 1", 1-1/4" AND 1-1/2" i.d.

# FITTINGS

OXYLANCE STOCKS ALL OF THE REPLACEMENT FITTINGS FOR OUR HOLDERS AND OXYGEN HOSE. ALL FITTINGS NOT SPECIFIED AS STEEL ARE HIGH PRESSURE BRASS. ALL FITTINGS ARE CLEANED FOR OXYGEN SERVICE.

PART #	DESCRIPTION
<b>ANTI SLAG DEVICES</b>	
OXY0002	1/2" Male npt Thermal Shutoff
OXY0003	3/4" Male npt Thermal Shutoff
OXY0004	1" Male npt Thermal Shutoff
FTHW-32	1/4" npt X CGA "B" Fitting
FTHW-142	3/8" npt X CGA "B" Fitting
FTHW-144	1/2" npt X CGA "B" Fitting
FTHW-C-34	1/4" npt X CGA "C" Fitting
FTHW-C-40	3/8" npt X CGA "C" Fitting
FTHW-C-32	1/2" npt X CGA "C" Fitting
FTHW-C-7	CGA "C" Nut
FTHW-C-17	CGA "C" Hose Barb
FTHW-D-34	1/2" npt X CGA "D" Fitting
FTHW-D-32	3/4" npt X CGA "D" Fitting
FTHW-D-7	CGA "D" Nut
FTHW-D-18	CGA "D" Hose Barb
FTHW-30	"B" to "B" Hose Coupler
FTHW-C-30	"C" to "C" Hose Coupler
FTHW-D-30	"D" to "D" Hose Coupler
<b>BRASS PIPE NIPPLES</b>	
FTW-WHF-3-3	1/2" X 4" npt Pipe Nipple
FTNBW-B-6HP	3/8" npt Close Nipple
FTNBW-B-8HP	1/2" npt Hex Close Nipple
FTNBW-B-9HP	3/4" npt Close Nipple
<b>BRASS FEMALE X MALE PIPE</b>	
FTW-BA-8-4HP	1/2" FM npt X 1/4" Male npt
FTW-BA-8-6HP	1/2" FM npt X 3/8" Male npt
<b>BRASS MALE X FEMALE REDUCER</b>	
FTW-BB-4-8HP	1/2" Male npt X 1/4" Female npt
FTW-BB-6-8HP	1/2" Male npt X 3/8" Female npt
FTW-BB-8-12HP	3/4" Male npt X 1/2" Female npt
<b>BRASS MALE X MALE REDUCER</b>	
FTRMW-B-8-4HP	1/2" M npt X 1/4" M npt Reducer
<b>BRASS FEMALE REDUCER</b>	
FTW-BF-12-8HP	3/4" FM npt X 1/2" FM npt Reducer
<b>BRASS HP PIPE COUPLING</b>	
FTW-BF-4HP	1/4" npt Pipe Collar
FTW-BF-6HP	3/8" npt Pipe Collar
FTW-BF-8HP	1/2" npt Pipe Collar
FTW-BF-12HP	3/4" npt Pipe Collar

## LEAK TEST SOLUTION

Oxylance Leak Test Solution is perfect for use with all gas Connections. Using soap and water for leak testing is not only dangerous, but the residue it leaves on fittings can also corrode or damage valve seats. Oxylance Leak Test Solution leaves no residue, meets MIL Spec PRF-25567E, ASME and CGA requirements.

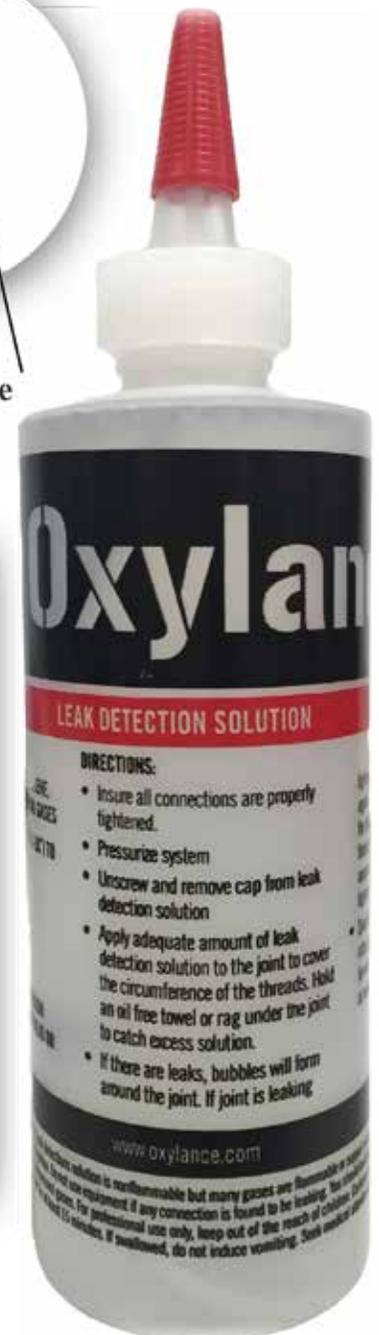
### Features & Benefits (8oz. Bottle with 12" extension tube)

- The tube in a bottle design allows users to test for leaks in all positions
- Welders and compressed gas users can detect leaks more effectively in hard to reach areas.

**MADE  
IN THE USA**



12" extension tube



# PROTECTIVE CLOTHING

For maximum protection from heat, slag and spatter during cutting operations we recommend Aluminized Kevlar protective clothing. This type of clothing offers greater protection than leathers or flame retardant materials. For Aluminized Jacket the last letter in the part number is the size i.e. ALKEVJACL is for the Large



PART #	DESCRIPTION
ALKEVGLOV	Aluminized Kevlar Gloves (Aluminized back Kevlar palm)
ALKEVJACM	19 oz Aluminized Kevlar 30" Medium Jacket
ALKEVJACL	19 oz Aluminized Kevlar 30" Large Jacket
ALKEVJACXL	19 oz Aluminized Kevlar 30" Extra Large Jacket
ALKEVJACXXL	19 oz Aluminized Kevlar 30" Double X Jacket
ALKEVCHAPSM	19 oz Aluminized Kevlar Chaps Medium
ALKEVCHAPSL	19 oz Aluminized Kevlar Chaps Large
ALKEVCHAPSXL	19 oz Aluminized Kevlar Chaps X Large
ALKEVCHAPSXXL	19 oz Aluminized Kevlar Chaps X X Large
ALKEVLEG	19 oz Aluminized Kevlar 15" Leggings (boot cover)
ALKEVHOOD	19 oz Aluminized Kevlar Hood.

# SURE CUT SYSTEM



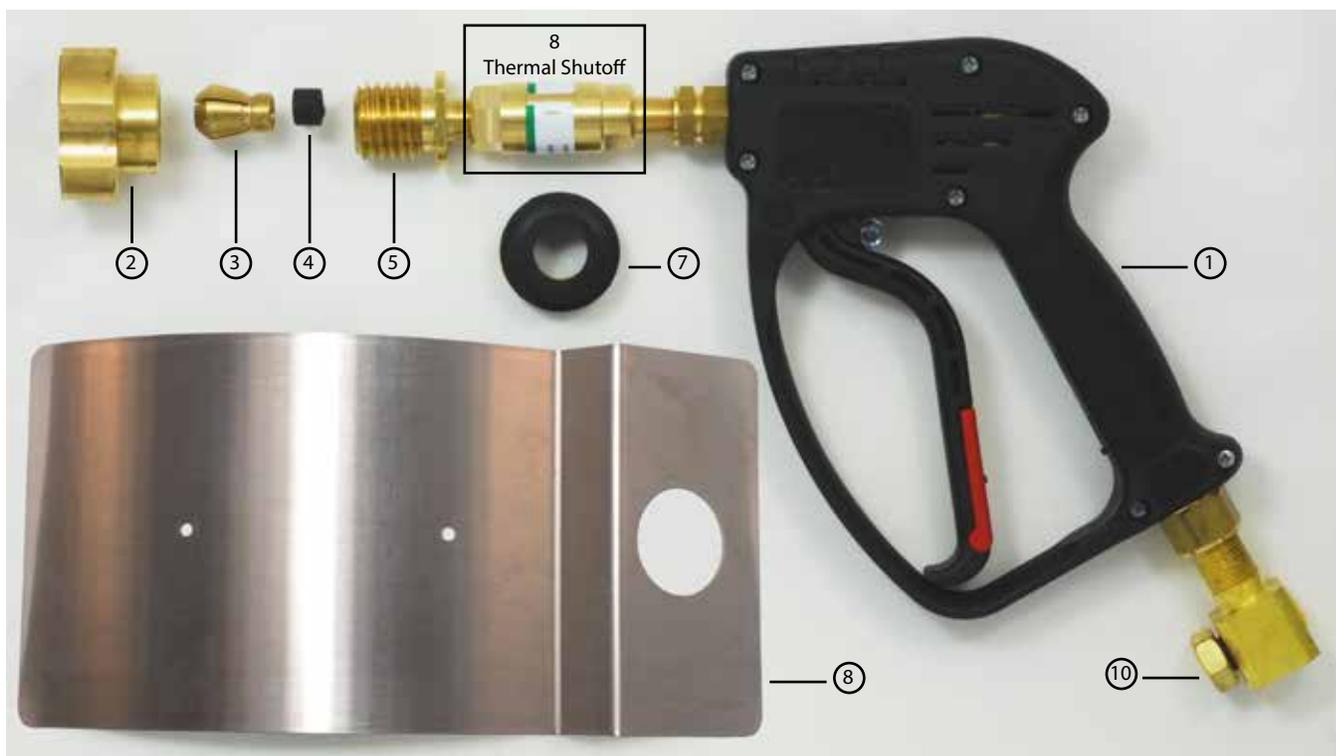
NOT RECOMMENDED FOR  
USE WITH A SINGLE LIQUID  
OXYGEN TANK WITHOUT AN  
EXTERNAL VAPORIZER

The OxyLance Sure Cut system will cut virtually any metal, both ferrous and non-ferrous, and is faster than conventional oxy-acetylene cutting or carbon arc gouging. The Sure Cut exothermic cutting rods don't require preheating or cleaning of the material prior to cutting. It is easy to use and is cost effective for most applications.

SURE CUT KITS	
PART #	DESCRIPTION
JRSC2024S	Tool Box Kit with standard holder (WITH RODS) (Pictured Above)
JRSC2024S-REG	Tool Box Kit with high flow regulator (WITH RODS)
JRSC2000S	Sure Cut standard holder (NO RODS)
JRSC2000S-REG	Sure Cut holder with high flow regulator (NO RODS)

JRSC2024S CONSISTS OF	JRSC2000S CONSISTS OF
Holder	Holder
25' X 5/16" Oxygen Hose	25' X 5/16" Oxygen Hose
25' X #4 Power Lead	25' X #4 Power Lead
25' X #4 Ground Lead w / Striker Plate	25' X #4 Ground Lead w / Striker Plate
1/4" and 3/8" Collet	1/4" and 3/8" Collet
12 ea. 1/4" X 24" Sure Cut Rods	<b>NO RODS</b>
12 ea. 3/8" X 24" Sure Cut Rods	<b>NO RODS</b>
26" Tool Box	26" Tool Box

**JRSC2024S-REG AND JRSC2000S-REG INCLUDES A HIGH FLOW REGULATOR**



ITEM #	PART #	DESCRIPTION (BARE)
1	JRSC200-RL31	Handle Assembly
2	JRSC2000-2	Collet Nut
3	JRSC187-3	Collet for 3/16" (.1875" O.D.) Sure Cut rod's
3	JRSC250-3	Collet for 1/4" (.250" O.D.) Sure Cut rod's
3	JRSC375-3	Collet for 3/8" (.375" O.D.) Sure Cut rod's
4	JRSC2000-4	Collet Grommet (seals collet bolt to collet)
5	JRSC2000-5	Collet Bolt (1/4" npt male X Collet seat)
6	JRSC2000-6	Curved Hand Shield
7	JRSC2000-7	Rubber Insulator Grommet for shield
8	OXY0250	Thermal Shutoff
10	JRSC2000-10	Power Block
11	FTHW-142	3/8" NPT X CGA "B" fitting (For custom holder with no power block)
12	HL41X25	25' Oxygen Hose (5/16" ID)
13	JRSC2000-13	25' Welding Lead
14	JRSC2000-14	Welding Lead Lug
15	JRSC2000-15	Alligator Clamp
16	JRSC2000-16	Copper Striker Plate
	JRSC6-32SCREW	Shield Screw (not shown in drawing)
	JRSC6-32TEENUT	Shield Tee Nut (not shown in drawing)
	JRSC200-G4000	Repair parts kit for Oxygen Valve
	JRSCBE43HP	Collet Bolt Extension
	REG-OXY8450	High Flow Regulator w/ CGA "B" fitting (For High Pressure Cylinders Only)
	<b>PART #</b>	<b>TOOL BOX</b>
	JRTB2	26" Tool Box (pictured on previous page)
	JRTB3	Large Pelican Case # 1650 with locking handle and wheels
	JRCENJ900	Igniter Pack

# SURE CUT CUTTING RODS

1/4" O.D.					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
25B24	1/4" X 24" Sure Cut Rod (bare)	3 to 5 cfm	1 Minute	7 lbs	14 lbs
25B36	1/4" X 36" Sure Cut Rod (bare)	3 to 5 cfm	1.5 Minutes	11 lbs	22 lbs
25B48	1/4" X 48" Sure Cut Rod (bare)	3 to 5 cfm	2 Minutes	14 lbs	28 lbs

3/8" O.D.					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
37B24	3/8" X 24" Sure Cut Rod (bare)	7 to 12 cfm	1 Minute	11 lbs	22 lbs
37B36	3/8" X 36" Sure Cut Rod (bare)	7 to 12 cfm	1.5 Minutes	17 lbs	34 lbs
37B48	3/8" X 48" Sure Cut Rod (bare)	7 to 12 cfm	2 Minutes	22 lbs	44 lbs

3/8" O.D. QUICK CONNECT					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
37B24QC	3/8" X 24" Quick Connect Sure Cut Rod (bare)	7 to 12 cfm	1 Minute	11 lbs	22 lbs
37B36QC	3/8" X 36" Quick Connect Sure Cut Rod (bare)	7 to 12 cfm	1.5 Minutes	17 lbs	34 lbs
37B48QC	3/8" X 48" Quick Connect Sure Cut Rod (bare)	7 to 12 cfm	2 Minutes	22 lbs	44 lbs

# SURE CUT INSULATED RODS

Insulated Rods are only necessary when a continuous arc process is used.

1/4" O.D.					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
25B24I	1/4" X 24" Sure Cut Insulated Rod (coated)	3 to 5 cfm	1 Minute	8 lbs	16 lbs
25B36I	1/4" X 36" Sure Cut Insulated Rod (coated)	3 to 5 cfm	1.5 Minutes	13 lbs	26 lbs
25B48I	1/4" X 48" Sure Cut Insulated Rod (coated)	3 to 5 cfm	2 Minutes	16 lbs	32 lbs

3/8" O.D.					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
37B24I	3/8" X 24" Sure Cut Insulated Rod (coated)	7 to 12 cfm	1 Minute	13 lbs	26 lbs
37B36I	3/8" X 36" Sure Cut Insulated Rod (coated)	7 to 12 cfm	1.5 Minutes	19 lbs	38 lbs
37B48I	3/8" X 48" Sure Cut Insulated Rod (coated)	7 to 12 cfm	2 Minutes	24 lbs	48 lbs

3/8" O.D. QUICK CONNECT					
PART #	DESCRIPTION	WEIGHT			
		O2 FLOW	BURN TIME	25 pc box	50 pc box
37B24QCI	3/8" X 24" Quick Connect Insulated Rod (coated)	7 to 12 cfm	1 Minute	13 lbs	26 lbs
37B36QCI	3/8" X 36" Quick Connect Insulated Rod (coated)	7 to 12 cfm	1.5 Minutes	19 lbs	38 lbs
37B48QCI	3/8" X 48" Quick Connect Insulated Rod (coated)	7 to 12 cfm	2 Minutes	24 lbs	48 lbs

SURE CUT RODS ARE AVAILABLE IN 3/16" O.D. BY SPECIAL ORDER					
PART #	DESCRIPTION (BARE)	PART #	DESCRIPTION (INSULATED)		
18B18	3/16" X 18" Sure Cut Rod (Bare)	18B18I	3/16" X 18" Sure Cut Rod (Insulated)		
18B24	3/16" X 24" Sure Cut Rod (Bare)	18B24I	3/16" X 24" Sure Cut Rod (Insulated)		
18B36	3/16" X 36" Sure Cut Rod (Bare)	18B36I	3/16" X 36" Sure Cut Rod (Insulated)		



ALL LIQUID CYLINDERS MUST BE THE SAME PRESSURE RATING. YOU CAN NOT MIX CYLINDERS WITH DIFFERENT PRESSURE RELIEF SETTINGS. DOING SO WILL CAUSE THE LOWEST PRESSURE CYLINDER TO POP OFF.

## OXY VAP 2500

Unit comes with cryogenic hoses, manifold regulator and outlet manifold for 2 hose connections. Unit is capable of producing 2500 cubic feet of gaseous oxygen from 2 liquid oxygen cylinders. Unit has 500 psi pop off valves however it is rated for 600 psi safe working pressure.



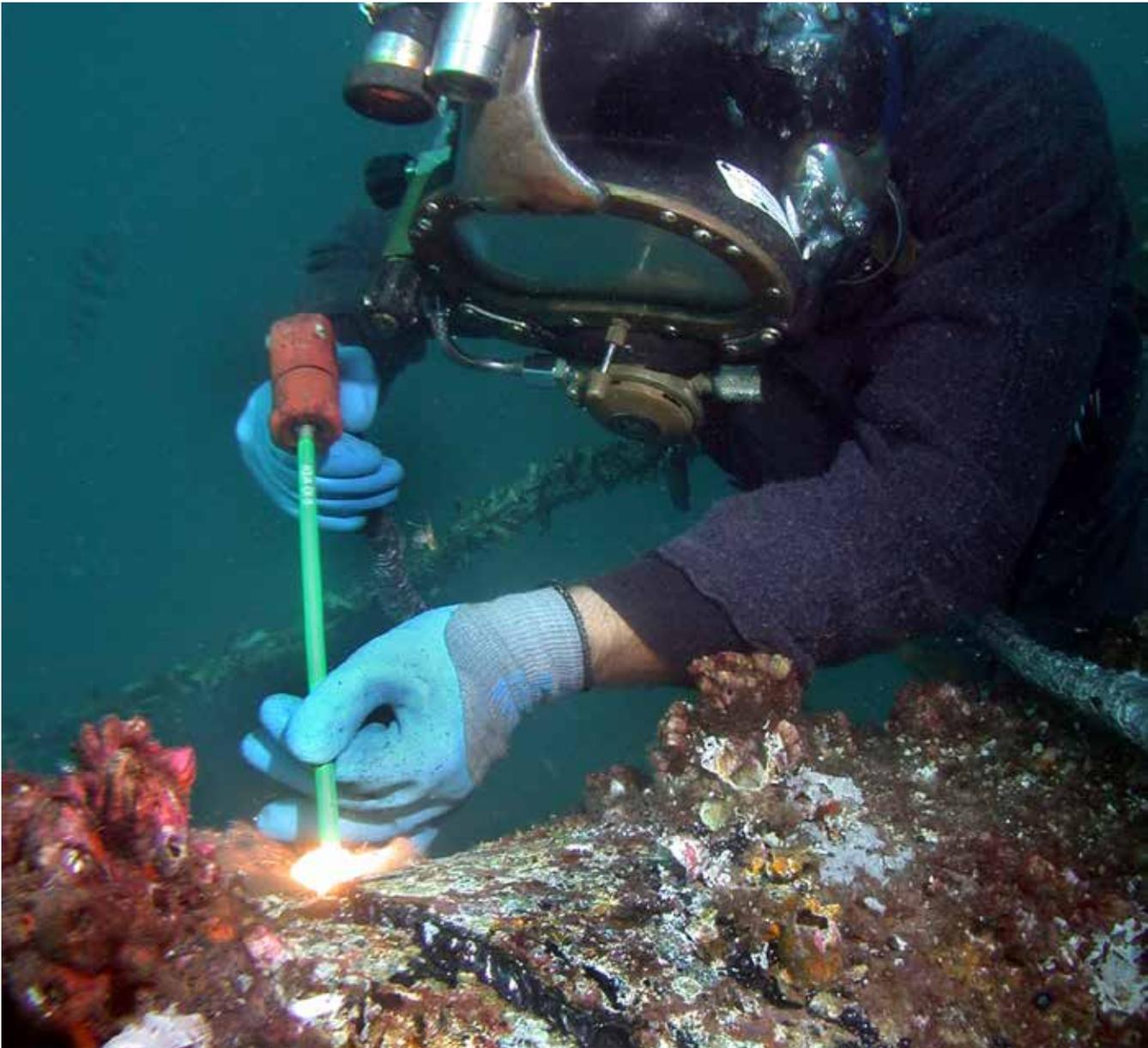
ALL LIQUID CYLINDERS MUST BE THE SAME PRESSURE RATING. YOU CAN NOT MIX CYLINDERS WITH DIFFERENT PRESSURE RELIEF SETTINGS. DOING SO WILL CAUSE THE LOWEST PRESSURE CYLINDER TO POP OFF.

## OXY VAP 5000

Unit comes with cryogenic hoses, manifold regulator and outlet manifold for 2 hose connections. Unit is capable of producing 5000 cubic feet of gaseous oxygen from 4 liquid oxygen cylinders. Unit has 500 psi pop off valves however it is rated for 600 psi safe working pressure.

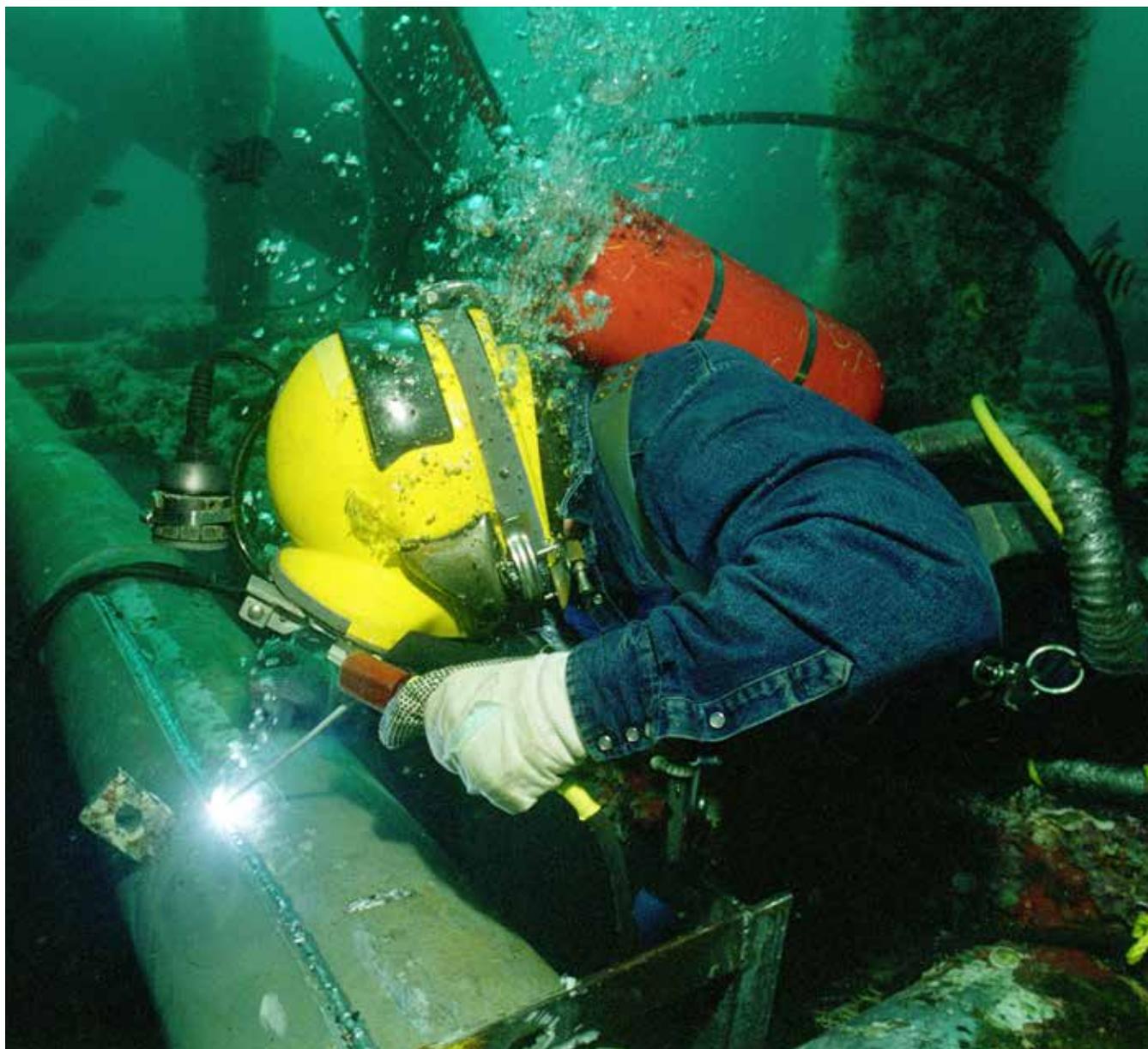
**OXYLANCE DOES NOT SUPPLY THE LIQUID OXYGEN CYLINDERS**

# UNDERWATER CUTTING EQUIPMENT



Oxylance manufactures underwater cutting electrodes in both an Exothermic design, the Aqua EXO (top photo), and our 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 electricity to maintain the arc. All of our rods have a proprietary plating process that prevents the exterior of the rod from corroding. 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 Holder



Oxylance manufactures a variety of Underwater Welding electrodes for carbon steel as well as stainless steel. All of our electrodes meet or exceed the requirements of ANSI/AWS D3.6 Specification for Underwater Welding. Oxylance is the sole source provider of Nickel Wet Welding Electrodes for the US Navy.

PART #	DESCRIPTION
SUR1ELECTR	1/8" Mild Steel Wet Welding Electrode
SUR2ELECTR	5/32" Mild Steel Wet Welding Electrode
SURWELDNI	3/32" Nickel Wet Welding Electrode
UW400	400 AMP Wet Welding Stinger
UW250	250 AMP Wet Welding Stinger



The Oxylance facility is located in Birmingham, AL. Our manufacturing facility, sits on 5 1/2 acres and consists of 7000 sqft of office and a 43,000 sqft warehouse / manufacturing facility.



**OXYLANCE INC**  
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