

# ALOX

Ambulance Liquid Oxygen Systems

www.essexind.com



Come on board  
ALOX...

## We know oxygen.

From our 57,000 square foot facility in Saint Louis, Missouri, we've been designing military-spec liquid oxygen systems for the finest fighter and transport aircraft in the world. Whether our systems are fixed in the aircraft or deployed and carried onto the battlefield, our liquid oxygen systems have been put to the extremes. And succeeded.

Now, we're on board land-based and aeromedical ambulances. Our newest Ambulance Liquid Oxygen Systems (ALOX) are available in 25-liter and 8.5-liter configurations. Both models can be installed in numerous locations on any ambulance without any modification to the oxygen delivery panel. Our technology offers lighter weight per gaseous oxygen capacity, greater safety, lower operational costs, fewer to no workman's comp claims with refilling/maintenance and reduced space requirements than conventional pressured oxygen equipment.



ALOX-25 Liter  
Part No.  
10C-0043-2

- Part Number: 10C-0043-2
- Volume (at 300 psig): 25 Liter LOX  
> 19,352 Gaseous Liters (at 1 atm @ 70°F)
- Dimensions: Height...28 inches  
Width...14 inches  
Depth...18 inches
- Weight: Empty...65 lbs.  
Full...128 lbs.
- Oxygen Flow: Up to 100 liters per minute



ALOX-8.5 Liter  
Part No.  
10C-0040-2

- Part Number: 10C-0040-2
- Volume (at 300 psig): 8.5 Liter LOX  
> 6,580 Gaseous Oxygen Liters (at 1 atm @ 70°F)
- Dimensions: Height...14 inches  
Width...14 inches  
Depth...18 inches
- Weight: Empty...40 lbs.  
Full...62 lbs.
- Oxygen Flow: Up to 100 liters per minute

COMPARATIVE DATA OF ALOX vs. HIGH PRESSURE GAS			
	ALOX-25L	ALOX-8.5L	H-Cylinder
Weight (Full)	128 lbs.	62 lbs.	125.3 lbs.
Oxygen Capacity (Liters at 70°F)	19,352	6,580	6,246
# of H Tanks to Equal ALOX Gaseous Capacity	3.1	1.05	n/a
Mounting Space (Min.)	34"hx16"wx19"d	20"hx16"wx19"d	52"hx9"wx9" d
Shock Load Tested	YES	YES	NO
Acceleration Load Tested	YES	YES	NO
Crashworthiness Load Tested	YES	YES	NO
Explosion Tested	YES	YES	NO
Field Tested	YES	YES	YES
Fill Source	All LOX Sources up to 250 psi	All LOX Sources up to 250 psi	Compression or Cascade
On Board Fill	YES	YES	NO

## You save more than lives with ALOX!

It would take nearly 3-1/2 large high-pressure "H" cylinders to match the gaseous oxygen capacity of just one ALOX!

Here's just some of the ways to save...

- >> Liquid Oxygen Costs Less than Gaseous Oxygen
- >> Use All of the Oxygen Volume You Pay For: Gaseous Oxygen Cylinders Only Allow 80% of the Volume to be Used
- >> Lower Gross Vehicle Weight
- >> Increase Storage Capacity
- >> Improve Safety Due to Lower System Pressurization
- >> No Need to Replace ALOX Oxygen (Just Refill On Board)
- >> NO Gaseous Tank Rental Costs or Inventories to Manage or Insure
- >> Virtually eliminate Workman's Comp Claims due to injuries incurred by Lifting and Replacing Heavy H Tanks



# ALOX

Ambulance Liquid Oxygen Systems

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