



# AERIAL

EMERGENCY BREATHING SYSTEMS (EBS)



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# AERIAL HAS PROUDLY BEEN SUPPORTING THE US MILITARY & PARTNERS FOR OVER 140 YEARS

## OUR MISSION

Aerial engineers and manufactures reliable survivability solutions that enable mission success for defense and commercial organizations around the globe.

Our vision is to establish the brand as the globally recognized and trusted engineering and manufacturing partner for survivability solutions by leveraging our legacy and values, evolving with our customers' missions, investing in our company, and empowering our people.

Our goal has always been to provide the best possible solutions for the Warfighter. We are deeply aware of the need to have the best, most reliable equipment in the hands of our men and women in uniform, as they go into harm's way - so that they return home safely.

"I believe in Aerial's EBS Product Lines – the quality, the performance, the workmanship, and the resilience of these life-saving devices. Being a decades-long user of EBS systems as a Marine Corps Aviator, I know several pilots, aircrew, and passengers who are alive today because their systems worked when they needed to. I am personally committed to doing all I can to provide the best possible solution for our Warfighters and those operating in dangerous maritime environments, so they have the greatest chance for Mission Success and to come home to their families in any water emergency situation."



Thomas Weidley  
CEO & President  
Major General, USMC, Ret.

The Corsair™ and Corsair-LW™ by Aerial & Zeagle is a 3000 psi compact Compressed Air Emergency Breathing System (EBS) used in used in aviation operations within the Maritime environment.

This emergency air source is designed to assist aviators, aircrew and passengers during an underwater egress emergency. This system is ideal for helicopter, tiltrotor, or amphibious vehicles that travel over water or other similar mission profiles or applications.

#### FEATURES AND BENEFITS

- Corsair™-Marine grade brass first-stage body to resist corrosion.
- Corsair-LW™-Lightweight Anodized Aluminum first stage body
- ON/OFF Position Indicator Handwheel
- 360-degree first-stage swivel connection on the low pressure hose
- Available in Rubber or Braided Poly Flex Hose
- Color-coded dial indicator allows remaining air supply to be seen easily
- 360-degree first-stage swivel connection on the low pressure hose
- Large purge cover for easy clearing of the second stage
- Lightweight second stage fits comfortably in mouth
- Mouthpiece cover for security of attachment and ease of deployment

## Corsair™ Corsair-LW™

By Aerial & Zeagle



PART #	DESCRIPTION
CAZ-K03	Corsair™ By Aerial & Zeagle, 2.0 ft <sup>3</sup> Cylinder, 27" Flex Hose, Fully Anodized
CAZ-K04	Corsair™ By Aerial & Zeagle, 2.0 ft <sup>3</sup> Cylinder, 20" Flex Hose, Fully Anodized
CAZ-K05	Corsair™ By Aerial & Zeagle, 1.5 ft <sup>3</sup> Cylinder, 20" Flex Hose, Fully Anodized
CAZ-K06	Corsair™ By Aerial & Zeagle, 6.0 ft <sup>3</sup> Cylinder, 27" Hose, Fully Anodized
CAZ-K11	Corsair-LW™ By Aerial & Zeagle, 2.0 ft <sup>3</sup> Cylinder, 27" Flex Hose, Fully Anodized
CAZ-K12	Corsair-LW™ By Aerial & Zeagle, 2.0 ft <sup>3</sup> Cylinder, 20" Flex Hose, Fully Anodized
CAZ-K13	Corsair-LW™ By Aerial & Zeagle, 1.5 ft <sup>3</sup> Cylinder, 27" Flex Hose, Fully Anodized
CAZ-K14	Corsair-LW™ By Aerial & Zeagle, 1.5 ft <sup>3</sup> Cylinder, 20" Flex Hose, Fully Anodized
CAZ-SK-1	Corsair™ By Aerial & Zeagle First Stage Service Kit
CAZ-SK-2	Corsair™ By Aerial & Zeagle Second Stage Service Kit





A - First Stage Regulator Lightweight made for durability & performance in all conditions



First Stage Regulator  
Includes Integrated Cylinder Valve Regulator & Pressure Gauge  
Material: Black Chrome Marine Brass  
Weight 1.205 lbs (547 g)

P/N CAZ-P-004



CAZ-LW First Stage Regulator  
Includes Integrated Cylinder Valve Regulator & Pressure Gauge  
Material: Black Anodized Aluminum  
Weight: 0.699 lbs (317 g)

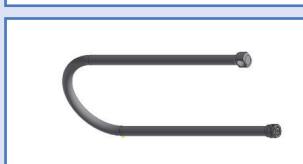
P/N CAZ-P-075

B - Low Pressure Hose



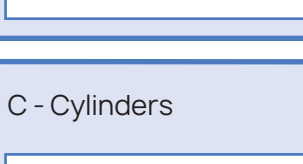
Nitrile Rubber Hose 20-inch  
Weight: 0.300 lbs (136 g)

P/N CAZ-P-012



Flex Hose 20-inch  
Weight: 0.200 lbs (90.7 g)

P/N CAZ-P-092



Nitrile Rubber Hose 27-inch  
Weight: 0.375 lbs (170 g)

P/N CAZ-P-0111



Flex Hose 27-inch  
Weight: 0.25 lbs (113.4 g)

P/N CAZ-P-092

C - Cylinders

DOT/ TC North America Standards



1.5 CF Fully Anodized Cylinder  
Weight: 0.710 lbs (322 g)  
Diameter: 1.99 in (50.5 mm)  
Length: 7.33 in (186 mm)

P/N CAZ-P-017



2.0 CF Fully Anodized Cylinder  
Weight: 0.845 lbs (383 g)  
Diameter: 1.99 in (50.5 mm)  
Length: 9.25 in (235 mm)

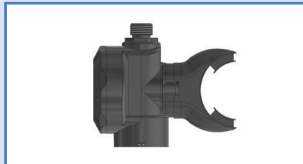
P/N CAZ-P-016



6 CF Fully Anodized Cylinder  
Weight: 2.7 lbs (1.22 kg)  
Diameter: 3.205 in (81 mm)  
Length: 11.17 in (284 mm)

P/N CAZ-P-069

D - Second Stage Regulator Lightweight second stage that fits comfortably in the mouth



Second Stage Regulator  
Weight: 0.305 lbs (138 g)

P/N CAZ-P-005





P/N: AMTC-X0084

## Deployable Refill Station (DRS-4500)

- Self-contained Deployable Portable Refill System
- Fills up to 4500 psi from 2 large HP COPV cylinders
- Fills up to 2 CAZ at one time

## Mobile Refill Station (MRS-4500)

- Self-contained Portable Refill System
- Fills up to 4500 psi from 3 large HP COPV cylinders
- Fills up to 4 CAZ at one time



P/N: AMTC-X0077



P/N: AMTC-LSAC

## Life Support Air Compressor (LSAC)

- Lightweight and portable source of Breathing Air
- Supplies CGA Grade D compressed air
- Manufactured by BAUER Compressors
- Supplies CGA Grade D compressed air
- Fills the DRS-4500 and the MRS-4500
- Supply pressure up to 5500 psi
- Mounted in protective frame with wheels

## Facility Refill Station (FRS-4500)

- Mounted facility fill station
- Fills up to 5500 psi
- Fills up to 8 CAZ at one time
- Uses compressed air from a compressor and cascade system



P/N: AMTC-K2039



Aerial Offers full tool kits and supplemental tool kits to service the Corsair™ By Aerial & Zeagle Emergency Breathing Systems.

P/N CAZ-TK1



SERVICE KITS

Aerial provides both first and second stage full tool kits and supplemental repair kits with all required parts to complete the bi-annual service of the Corsair™ By Aerial & Zeagle Emergency Breathing Systems.

P/N CAZ-SK-1

P/N CAZ-SK-2



GENUINE PARTS

*Corsair™ By Aerial & Zeagle  
First-Stage Service Kit*

PN: CAZ-SK-1

Contains standard overhaul replacement parts for the Corsair™ By Aerial & Zeagle first-stages



GENUINE PARTS

*Corsair™ By Aerial & Zeagle  
Second-Stage Service Kit*

PN: CAZ-SK-2

Contains standard overhaul replacement parts for the Corsair™ By Aerial & Zeagle second-stages





Maintenance Technician Training is available at our facility as well as off-site at a customer's facility. Call for information and a quote.



## FACTORY SERVICE

Aerial offers full service and maintenance of the Corsair™ By Aerial & Zeagle and Ground Support Equipment (GSE). All service and maintenance is performed at our facility. This includes the 2-year maintenance and reset service for the Corsair™ and 5-year service for the GSE.





For more information please contact our sales team at  
[sales@aerialmt.com](mailto:sales@aerialmt.com)

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