



CYCLONE™

SILENCER TECHNICAL MANUAL

WARNING - Failure to follow instructions set forth in this manual can create a potentially dangerous situation for the operator and damage to the silencer and host firearm.

MANUFACTURERS DISCLAIMER

ADVANCED ARMAMENT CORP. shall not be responsible in any manner whatsoever for physical injury or property damage stemming from criminal or negligent misuse, improper or careless handling, unauthorized modifications, defective, improper hand-loaded or reloaded ammunition, neglect, or other influences beyond our direct and immediate control. If you do not understand the instructions in this manual, please contact ADVANCED ARMAMENT CORP. for further clarification.

GENERAL DESCRIPTION

The CYCLONE™ and CYCLONE-K™ are compact, ultra-high-efficiency thread mounting silencers designed for use on semi-automatic, bolt action, and single shot weapons chambered for the 7.62 x 51mm (.308) cartridge. Constructed entirely of welded Inconel and stainless steel, the CYCLONE™ and CYCLONE-K™ will provide a lifetime of service under the most demanding conditions. The low profile, light weight designs of the CYCLONE™ and CYCLONE-K™ do not interfere significantly with the handling dynamics of the host weapon, and the excellent size to performance ratio can be appreciated by sport and tactical shooters alike. The CYCLONE™ and CYCLONE-K™ are available with standard 5/8-24 threads.

NOTES ON USAGE

The impressive sound reduction of the CYCLONE™ and CYCLONE-K™ is achieved through a highly efficient baffle design and advanced construction techniques. Like most compact silencers designed for 7.62 x 51mm weapons, the CYCLONE™ and CYCLONE-K™ will increase the back pressure on the moving parts of a semi-automatic host firearm. The increased back pressure may increase the amount of gas that is vented through the ejection port when firing. This additional quantity of gas may be accompanied by minute particles of unburned powder, so proper eye protection is mandatory.



WARNING - Before detaching the silencer for cleaning, remove the magazine from the weapon, open the breech and visually ascertain that the chamber is clear and unloaded. The silencer may then be removed from the host weapon after its exterior reaches a temperature where it can be grasped with a bare hand or heat resistant glove.

CLEANING AND MAINTENANCE

The welded 316 stainless steel and Inconel construction of the CYCLONE™ and CYCLONE-K™ make it unnecessary to engage in frequent cleaning or maintenance. We recommend cleaning through immersion every 1,500-2,000 rounds of use. Water based cleansers such as Formula 409 and Simple Green work very well for removing carbon deposits, as do most organic solvents. Lacquer thinner and disk brake cleaner may be used. After soaking the unit overnight (or after 30 minutes in an ultrasonic cleaner) the silencer may be drained by standing first on one end and then on the other. The silencer should then be rinsed with clean water and blown out with compressed air. Avoid getting oil on either the exterior or interior of the silencer, as it will smoke upon firing.

CONSTRUCTION

The CYCLONE™ and CYCLONE-K™ are constructed of welded stainless steel and Inconel. Because the rotational orientation of the baffles is critical to ensure optimum performance, the baffle stack is sealed and cannot be disassembled.

TECHNICAL SPECIFICATIONS - CYCLONE

Construction Materials	316 Stainless Steel, Inconel 718
Weight	22.4 ounces
Length (O.A.)	9.5 inches
Diameter	1.50 inches
Degree of Suppression	-30-33dB
Standard Finish	Socom Flat Black Moly Resin™

TECHNICAL SPECIFICATIONS - CYCLONE K

Construction Materials	316 Stainless Steel, Inconel 718
Weight	18.5 ounces
Length (O.A.)	8.25 inches
Diameter	1.50 inches
Degree of Suppression	-27-29dB
Standard Finish	Socom Flat Black Moly Resin™

WARNING - Failure to follow instructions set forth in this manual can create a potentially dangerous situation for the operator and damage to the silencer and host firearm.

WARNING - Before initiating Installation/Removal procedures, be absolutely certain the magazine is removed and the weapon is unloaded.

WARNING - ALWAYS wear proper eye protection when firing a silencer equipped weapon.

WARNING - Silencers for 7.62mm weapons are known to reach temperatures in excess of 600 degrees Fahrenheit under normal use. During heavy use, the CYCLONE™ and CYCLONE-K™ may reach temperatures in excess of 800 degrees. These temperatures can cause severe burns and ignite objects the silencer comes in contact with while at these temperatures. Operators must be vigilant in preventing contact between a CYCLONE™ and CYCLONE-K™ and skin, clothing, and combustible objects during use.



INSTALLATION OF SILENCER

- 1) Set the weapon on "SAFE", remove the magazine, lock the bolt to the rear, and visually inspect the chamber to ensure it is empty and the host-weapon is unloaded.
- 2) Thread the silencer onto the host weapon barrel hand tight. Special care should be taken to prevent cross-threading.
- 3) Since thread mounting silencers are known to unscrew during firing, **IT IS OF THE UTMOST IMPORTANCE THAT THE USER FREQUENTLY ENSURE THE SILENCER REMAINS SECURELY THREADED ONTO THE BARREL OF THE HOST WEAPON.**

ALIGNMENT AND BARREL THREADING

Proper alignment of the CYCLONE™ and CYCLONE-K™ is determined by the concentricity of the muzzle threads to the axis of the rifle bore and the presence of a shoulder behind the threads that is perpendicular to the rifle bore. We guarantee alignment of the CYCLONE™ and CYCLONE-K™ only on factory threaded barrels or those modified by vendors recommended and approved by Advanced Armament Corp. (Go to www.advanced-armament.com for a list of recommended barrel threading vendors). Do not use a CYCLONE™ or CYCLONE-K™ on barrels modified by other sources without first submitting the proposed barrel to us to verify thread trueness and concentricity. Damage to a CYCLONE™ or CYCLONE-K™ resulting from improper barrel threading and/or installation will not be covered under warranty, and Advanced Armament Corp. denies liability for injury or damage caused by improper installation. Any repairs to the unit made necessary by user misuse or neglect will be invoiced to the owner.