



Instruction manual  
**A-FLOW**

A-TEC  
A-FLOW  
WWW.A-TEC.NO  
CAL. 6.50  
FFN-1000

## 1 GENERAL

A-TEC A-FLOW is a suppressor with patented flow technology. This generates less back pressure and less wear and tear on the weapon system. The coaxial design directs expanding gas away from the bore-line and prevents blowback pressure from the ejection port.

### 1.1 How to use this Manual

#### 1.1.1 General

Read the following instructions before using the weapon. Only use this weapon when you have fully understood these instructions.

#### 1.1.2 Signs and Symbols

	<b>Meaning:</b> <i>Direct, imminent danger! Non-compliance leads to death or extremely serious injury.</i>
	<b>Meaning:</b> <i>Possible imminent danger! Non-compliance may lead to death or serious injury.</i>
	<b>Meaning:</b> <i>Dangerous situation! Non-compliance could lead to minor injuries.</i>
	<b>Meaning:</b> <i>Non-compliance could lead to material damage</i>

### 1.2 Disclaimer

We assume no liability and provide no warranty for improper use and negligence.

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- 1) criminal or negligent use,
- 2) improper or careless handling (forceful use),
- 3) any modifications of the suppressor,
- 4) insufficient maintenance and cleaning,
- 5) other influences beyond our direct or immediate control,
- 6) influence on the accuracy of the rifle and the impact of the bullet
- 7) overheating of the suppressor (see point 1.3.3)

Under no circumstances can we assume liability for accidental or consequential damages like property damages, business loss, loss of income or profit.

For warranty claims the suppressor should be returned to the manufacturer or send to an authorized service centre for further proceeding.

### 1.3 Safety Instructions

The following safety instructions are of utmost importance and must be followed unconditionally.

#### 1.3.1 Safety guidelines for the use of firearms

If you are aware of the dangers connected with the use of firearms and will follow the safety instructions in this manual, complete safety is ensured when using the weapon.

Noncompliance, even with only one of these regulations can lead to severe harm, not only for your own person but also for others, and may cause serious damages to the weapon and / or other objects.

## 10 safety rules for firearms

- 1.) ALWAYS treat a weapon as if it was loaded.
- 2.) ALWAYS make sure that the barrel is not clogged.
- 3.) Before shooting, ALWAYS make sure that a backstop exists and what lies behind it. The safety of other people and your own person always comes first.
- 4.) ALWAYS use clean, dry and factory-manufactured original ammunition of the right sort and appropriate calibre.
- 5.) Protect eyes and ears (see below).
- 6.) ALWAYS carry the weapon in such a way that you are in control of the direction in which the muzzle points in case you stumble or fall.
- 7.) ALWAYS make sure that the weapon is put on safe until you actually intend to shoot.
- 8.) Make sure that a loaded weapon is NEVER unattended. Weapons and ammunition are to be kept locked up separately so that children and unauthorized people have no access to them.
- 9.) Never allow an unauthorized person and persons who have not read these safety rules to use your weapon.
- 10.) NEVER point a loaded or unloaded weapon at objects you do not intend to shoot at.





### Protect your eyes and ears

Always wear suitable shooting glasses as well as ear plugs or earmuffs when shooting.

Always make sure that people in your close vicinity are protected in the same way. Unprotected eyes can be injured by powder gas and powder smoke, lubricants, metal particles, etc. which are occasionally emitted by weapons during normal use. Without hearing protection, persons frequently exposed to shooting noises may suffer a gradual decline or loss of hearing.



### 1.3.2 Safety Instructions for the use of your suppressor

A suppressor has a massive influence on the noise reduction of your firearm. Do not forget that your firearm is still a dangerous item.

 <b>DANGER</b>	<i>Only screw or unscrew your suppressor when your firearm is unloaded. If you need to adapt something on the screwed suppressor, please make sure your firearm is unloaded as well.</i>
 <b>WARNING</b>	<i>Even if the noise reduction of your suppressed firearm is substantially, please always wear hearing protection when you are shooting.</i>
 <b>WARNING</b>	<i>When using your suppressor always wear eye protection. Always make sure people around are protected as well, with eye and ear protection. Without hearing protection shooting noise can gradually cause permanent hearing loss.</i>
 <b>CAUTION</b>	<i>While shooting, your suppressor gets extremely hot. Before you unscrew the suppressor, make sure it had some time to cool down. Also, make sure there is no flammable material near your suppressor.</i>


### 1.3.3 Technical Notes

Your A-TEC A-FLOW suppressor is constructed and designed for Semi-Automatic and Automatic rifles.

 <b>NOTICE</b>	<i>The suppressor extends the length of your barrel. On a Semi-Automatic or Automatic rifle this can have influence on the function of your rifle. Please make sure your Semi-Automatic rifle is suitable for the use of a suppressor.</i>
 <b>WARNING</b>	<i>A-FLOW has been tested with 150 rounds (5 mags X 30 rounds full auto with rapid magazine switches) in a 10" barrel. After that the suppressor must be cooled down to ambient temperature. compliance with appropriate cool-down phases is mandatory.</i>

Your A-TEC Suppressor is a high-quality product on the market with an excellent proportion of weight, size and noise reduction. Although it is a high quality suppressor it can have influence on the impact point of your rifle. Depending on calibre, barrel length, used ammunition etc. the impact point of your rifle can vary.

After mounting your suppressor, you need to test-fire and, if necessary, zero-in your rifle.

 <b>NOTICE</b>	<i>Never try to put apart your suppressor, otherwise it will not be covered by warranty any longer and may be damaged irreparably.</i>
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### 1.3.4 Use Restrictions

Using a suppressor causes more residues in your rifle. Please clean the barrel of your rifle after each use in order to prevent fouling of your rifle barrel. When doing so, always remove the suppressor from the barrel to prevent residues from soiling the suppressor. Cleaning of the suppressor is described in Point 3.

## 2. SUPPRESSOR DESCRIPTION AND HANDLING

The A-flow is made of stainless and inconel. The overall length of the suppressor varies between 140 and 170 mm dependent if it is 1+2 or 1+2 modules or 1+3 modules version. It is increasing the length of your rifle by 96 or 126 mm.





## WARNING

Always check the calibre on your rifle and suppressor (for example  $\leq .30$  is suitable for max calibre  $.30$ , or  $7.62$  mm bullets). Using smaller calibres on a bigger suppressor is working but noise reduction will not be optimal

## 2.1 Technical Specifications

	A-FLOW 1+2		A-FLOW 1+3	
<b>ADDED LENGTH:</b>	96 MM*		126 MM*	
<b>TOTAL LENGTH:</b>	140 MM (+/- 0.5 MM)		170 MM (+/- 0.5 MM)	
<b>DIAMETER:</b>	44 MM		44 MM	
<b>EFFECT:</b>	21 DBC (5.56)		19 DBC (7.62)	
<b>WEIGHT:</b>	530 GRAM (+/- 10 GRAM)**		630 GRAM (+/- 10 GRAM)**	
<b>CALIBRES:</b>	5.56 NATO	7.62 NATO	5.56 NATO	7.62 NATO
<b>SKU:</b>	VN01610	VN01612	VN01717	VN01622
<b>MOUNTING:</b>	A-FLOW FLASH HIDER			
<b>MATERIAL:</b>	STAINLESS STEEL & INCONEL			
<b>SURFACE:</b>	CERAKOTE			
<b>SERVICE LIFE:</b>	10.000 ROUNDS WHEN PROPERLY MAINTAINED (SEE CHAPTER 3.)			
<b>CLEANING/MAINTENANCE CYCLE:</b>	1.000 ROUNDS			

\*] The added length depends on the weapon's configuration. \*\*] Measured in cal 5.56

## 2.2 Mounting

Mount your suppressor only if your gun is unloaded and use appropriate torque. We recommend 45Nm for the flash hider (not removable by the user, only by gun technician/gunsmith) and mount the silencer by applying a twisting force until it stops, and then tighten by hand to achieve the desired tightness (approx. 12-15 Nm).



## WARNING

Only screw or unscrew your suppressor when your firearm is unloaded. If you need to adapt something on the screwed suppressor, please make sure your firearm is unloaded as well.



## WARNING

Before mounting, make sure that there are no loose parts or any other alien items inside the suppressor, for example by shaking it. If so, the suppressor must not be used!



## CAUTION

After screwing on your suppressor, always make sure that the barrel of your rifle and the suppressor are aligned. If not, you must not fire your rifle!

## 3. CLEANING AND MAINTENANCE OF THE SUPPRESSOR

The A-Flow is designed and manufactured to be as maintenance free as possible. However, after shooting, residuals leaves after burning powder, so always remove your silencer after shooting and leave it to dry. The A-flow is not possible to disassemble, therefore it is possible to clean only chemically, by using cleaning solutions e.g. Schletek Suppressor Cleaner Evolution or similar. Fill a suitable container with cleaner and soak the silencer. After 20-30 minutes, drain and rinse with hot water, shaking vigorously. For heavy dirt, heat the cleaner to approx 50°C and extend the soaking time to max 2 hours. Finish by using compressed air for drying or place it on a radiator heater for drying. Then apply a spray of gun oil inside and on the outside to preserve the surface.

Store your silencer in a dry place and let air pass through the hole.



## WARNING

After use inspect threads and taper and make sure both threads and taper is greased with a high quality grease, e.g. A-TEC Molycote grease.



## WARNING

Regular inspection (e.g. every 500 shots) of the silencer for any visual dents or cracks on the outside. Check by shaking the silencer whether any loose parts inside the silencer can be heard. Defective silencers need to be replaced.



## CAUTION

Failure to follow maintenance instructions may lead to corrosion that will damage the barrel permanently and weaken components inside the silencer. This may lead to failure and compromises the safety!

## 4. STORAGE

After use, store the silencer in a warm and dry place where air can flow freely through it to allow any condensation to evaporate.

## 5. LEGAL NOTICE

For the purchase and use of a suppressor, please pay attention to the valid laws of your country!