



# Airnesco



## Military Barrel Cleaning System

**20mm - 203mm**

*'the product demonstrates a cleaning ability that was significantly less laborious and of higher quality than the standard manual method'*

**Benét Labs, (DoD testing centre), USA**





# Airnesco

## COMPANY BACKGROUND

Airnesco have been manufacturing and developing tube cleaning equipment for industry since 1948 and expanded into defence and aerospace in 1998. This combined experience has made Airnesco the preferred provider to the Royal Navy, British Army, US DoD, Chinese PLA and many other armed forces globally. In addition to this Airnesco continue to be a core supplier of equipment to industry all over the world, to such customers as Ikea and Powergen.

Our global reach on all our product lines means that we are able to hold a large amount of stock and are able to respond to requests quickly. Our engineering facility in the UK is dedicated to the manufacture and assembly of cleaning systems and has been for over 60 years enabling us to offer an exceptional service to our customers.

*'service is professional and friendly'*

**DES Weapons, Royal Navy**



## GLOBAL REACH AND PARTNERSHIPS

The Airnesco Group have developed a series of agents, distributors and licencees that span the globe and can offer qualified assistance at a moment's notice. In addition we have manufacturing capabilities in the UK, USA and China in order to provide direct assistance and improve delivery times.

Our close relationships with several barrel manufacturers and numerous forces around the world enable us to develop and test equipment for all sizes and types of barrels in quick time with excellent accuracy.



## DEVELOPMENT

Our equipment is being constantly improved and developed and was initially designed alongside the British Army and the Royal Navy in 1998. Further developments have enabled us to offer additional accessories which enable each customer to receive a kit that is tailored to their specific platform.



*'we used compressed air from the towing vehicle and that worked very well'*

**Bofors Defense, Sweden (testing a 155mm system in the Rajasthan desert and Himalayas)**



## QUALITY

Airnesco is dedicated to delivering the best quality products and a professional and friendly service and has been ISO9001:2008 registered since 2003. NSN numbers have been allocated for ease of purchase.



*'greatly reduces the amount of time it takes to clean the barrel and does an excellent job moving carbon deposits, just two or three passes and it was clean and ready for scoping'*

**DoD, US**



## WHY THE AIRNESCO SYSTEM?

- Fully automatic requiring only compressed air
- Uncomplicated to use and easy to maintain
- Can clean dry or wet
- Set-up takes only one operative a few minutes and requires no tools
- One operative can clean all direct and indirect fire platforms from 25mm up in minutes
- A flexible and proven system which can be used in any conditions

## HOW DOES IT WORK?

The system is modular in design enabling the customer to use the same core elements for all his barrels with a range of brushes available in all Military sizes. The system is designed for operations and requires only 80-100 psi which can be the pressure from a logistic support vehicles air brakes or tyre inflation system on an armoured vehicle. Alternatively, the system can be used in the workshop from a compressor or in-house air supply.

## SYSTEM COMPONENTS

### Ferrets

There are four different sized Ferrets (driving heads) available and because of the flexibility in the system it is usually possible to find one head to drive a vast range of sizes. Attached to the Ferret are the brushes.

### Cleaning Brushes

Cleaning Brushes are made primarily from stainless steel and are designed as the first brush of use to clean out any debris and deposit in the barrel within minutes. Although we suggest stainless steel, brushes can be manufactured from any material the customer requires - phosphor bronze, brass or nylon for example.

### Oiling Brushes

Oiling brushes are made primarily from nylon with felt discs to oil the barrel after cleaning. Other materials are available on request.

### Squeegee Brushes

The squeegee brushes are made primarily from nylon with neoprene discs to dry any excess oil from the barrel after oiling. Other materials are available on request.

### Distribution Brushes

Our distribution brushes have a reservoir within the brush or holder added at the end of the smaller brushes. A fluid (Copper Control Solution or a low viscosity oil) can be used in the brush which will then allow distribution along the barrel. Essential where the customer prefers to clean his barrel 'wet'.

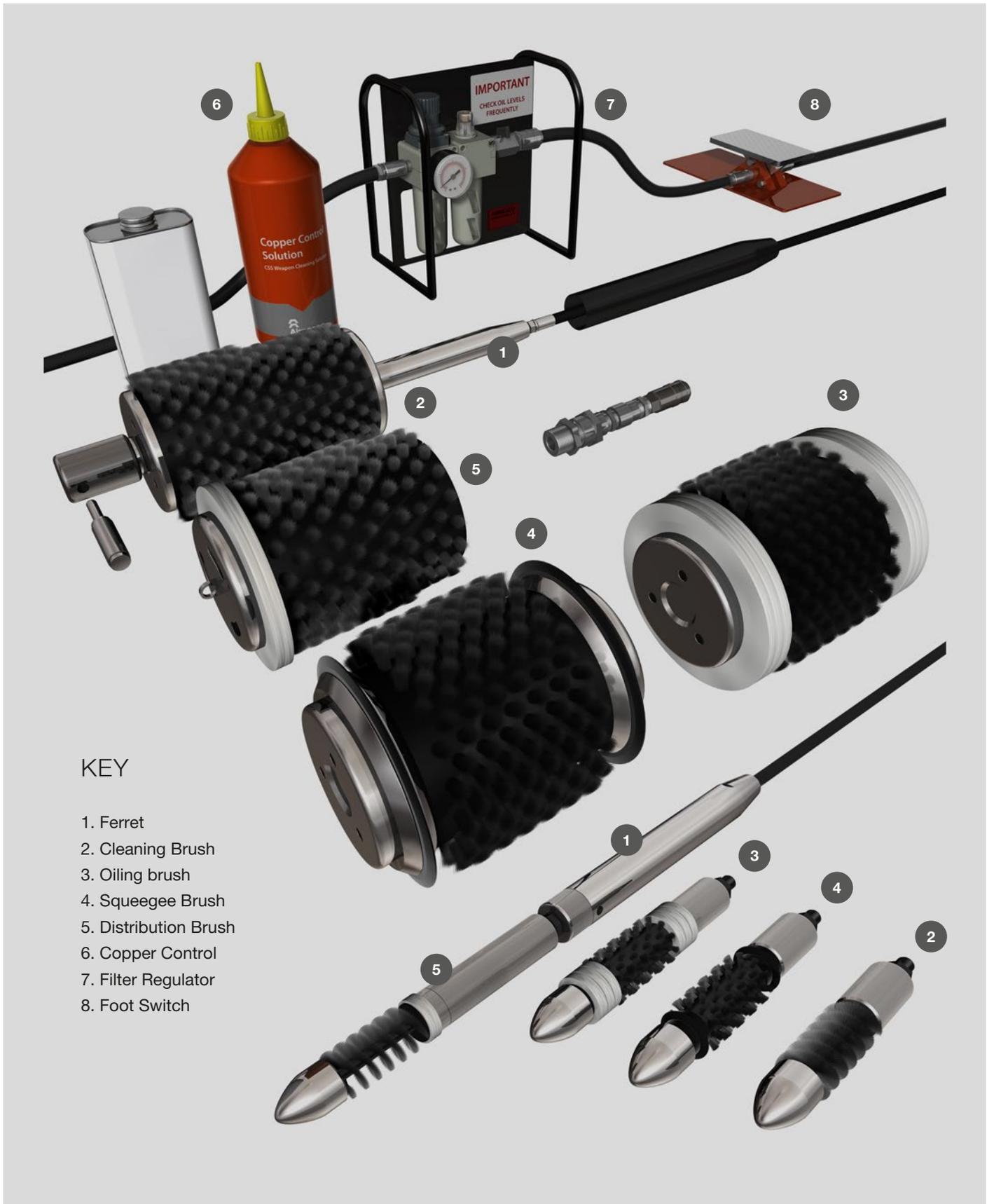


### Chamber Cleaning Brush

A chamber cleaning brush has been developed to clean the chamber of those barrels that are not parallel. There are three different sizes allowing the customer to clean their chambers from 100mm up to 215mm.

### Copper Control

If the customer prefers, we do offer a solution that can be used in the Distribution Brush to clean the barrel wet. This will aid the customer in controlling copper build up. Alternatively we offer broaching rings which can be attached to the brush to knock off any copper nodules within the barrel.



KEY

- 1. Ferret
- 2. Cleaning Brush
- 3. Oiling brush
- 4. Squeegee Brush
- 5. Distribution Brush
- 6. Copper Control
- 7. Filter Regulator
- 8. Foot Switch

*'the Airnesco system cleaned two barrels that had been condemned due to heavy coppering deposits'*

**Field Artillery, British Army**

## HOW IS IT STORED?

Standard issue Military Peli cases are used for storage, a machined foam insert keeps the equipment safe and protected.



Also available are soft bags which are a great solution when space is tight, these are generally issued on board vessels and vehicles.



A small gauge system (20mm – 40mm) in a smart aluminium case is available with a lid mounted filter lubricator.



*'keeps our barrels clean to a high standard ensuring that coppering is removed effectively and without causing undue wear'*

**Excalibur Army, Czech Republic**

*'this system is potentially saving 21,160 man hours per year'*

**Artillery, British Army**

*'outstanding cleaning device'*

*'ease of transportation and quick set-up'*

*'no environmental issues or hazardous waste'*

**Ft Sill, US**

  
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