



ARTEM HAND-HELD EXTERIOR SMOKE MACHINE INSTRUCTIONS FOR USE AND MAINTENANCE

The Artem smoke machine has been designed for exterior use.

IT SHOULD NOT BE USED INDOORS OR IN VERY CONFINED SPACES, NOR SHOULD IT BE LEFT UNATTENDED AT ANY TIME WHEN IN OPERATION.

The fully-portable, lightweight, high-efficiency unit is capable of providing constant dense white smoke on demand, utilising convenient disposable 'O Zone Friendly' aerosols that can be easily changed.

Smoke fluid and gas aerosols are available in boxes of 12 from ARTEM LTD. The instructions on both aerosols must be strictly observed. As an approximate guide, ONE smoke fluid aerosol will produce 20 minutes of continuous output at moderate use with a ratio of THREE smoke fluid aerosols to every gas aerosol.

For convenient transportation the smoke machine is housed in a two-piece metal carrying case. The case incorporates divisions for four additional aerosols, spare parts and tools.

INSTRUCTIONS FOR USE

- Screw smoke canister clockwise into front, silver cowling – finger tight only - **DO NOT OVERTIGHTEN**
- Screw gas canister clockwise into rear, red cowling – finger tight only – **DO NOT OVERTIGHTEN**
- **ALWAYS OBSERVE INSTRUCTIONS PRINTED ON THE AEROSOL CANISTERS**
- To ignite -Turn gas supply on, using knob above red cowling, sufficient to just hear the hiss of gas – ignite by pressing red 'piezo' button on rear of body behind handle. Adjust gas supply and allow coil – observed through holes in barrel – to heat up until just turning a dull red – **DO NOT LET THE COIL OVERHEAT.**
- **SMOKE** output is adjusted by turning smoke valve knob above silver cowling.
- As the smoke output is increased the gas supply should be increased in proportion. If smoke output turns to liquid, the gas requires to be tuned up **(SWITCH OFF SMOKE WHILE COIL IS HEATING UP)**
- If smoke output turns light brown the coil is too hot indicating that the gas supply should be turned down.
- Always adjust gas supply to balance smoke output. **WHEN NOT PRODUCING SMOKE TURN OFF GAS** - After use turn off smoke fluid slightly before gas to allow liquid in coil to clear. Allow smoke machine to cool before replacing in carrying case.

CARE AND MAINTENANCE

- The smoke machine should be kept clean to avoid the ingress of dirt particles, the ventilation slots under the body in particular. The holes in the barrel should be kept clear at all times. Ensure that the valve sealing 'O' rings are in place and in good condition and the valves are free from dirt.



- Before screwing in the aerosols, ensure that the canister threads and valve are clean.
- Care must be taken when assembling threaded items – **DO NOT OVERTIGHTEN**

FAULT FINDING

No Ignition	<ul style="list-style-type: none">- Check piezo, replace if defective. (The machine can be ignited using a match offered up to the underside of the barrel)
No Gas Supply	<ul style="list-style-type: none">- Check gas supply by listening for a hissing noise and smell.- Check aerosol connected correctly and valve working.- Check burner jet clear.
Irregular or Intermittent gas supply	<ul style="list-style-type: none">- Check burner jet clear – clean by removing burner then unscrewing jet retaining nut on base of burner – remove jet. Reverse blow through with air – do not use pricker as this will adversely affect the gas flow.- Burner wadding has become dislodged or is missing – replace.
No Smoke Supply	<ul style="list-style-type: none">- Check aerosol connected correctly and valve working.- Check coil – remove and blow through, replace if necessary.- To check fluid ways and coil are clear a canister of air (airbrush propellant) can be used to blow through system.

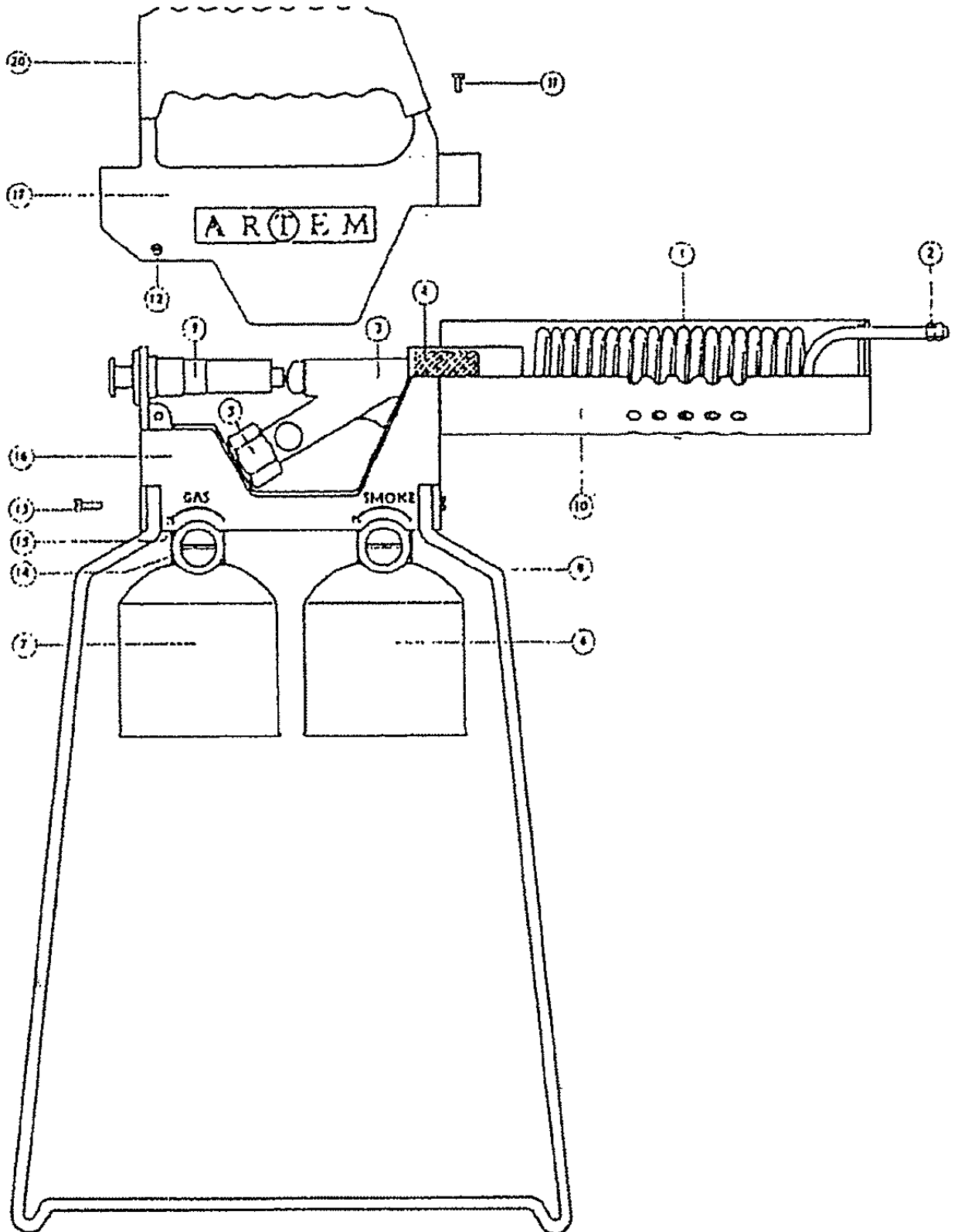
SERVICE AND REPAIR

The machine should be securely packaged in its metal carrying case **WITHOUT ANY AEROSOLS** and returned to Artem Ltd, Segro Park Perivale, Horsenden Lane South, Greenford, UB6 7RH (United Kingdom) – Tel 0208 997 7771 - stating clearly the nature of the problem.

The smoke machine is guaranteed for a period of 12 months from the date of purchase against any defective parts and manufacturing faults. The guarantee does not cover misuse and general wear and tear. If outside the guarantee period you will be advised of the cost of repair – a minimum charge will be imposed to cover handling and carriage.

Spare parts can be provided for general maintenance and these cover most aspects of the smoke machine.

-A-R-T-E-M-





PARTS LIST

PART NO.	DESCRIPTION	DIAGRAM CODE	PART NO.	DESCRIPTION	DIAGRAM CODE
6701	Coil and anti-drip nuts	1 & 2	6714	Body Assembly Screws M5x15mm- 2 off	12
6702	Burner	3	6715	Support Stand Screws M5x15mm – 4 off	13
6703	Burner Wadding	4	6716	Lock Nut Fluid	
6704	Burner Mounting Nut	5	6717	Carrying Case (Steel)	
6705	Mounting Adaptor	5	6718	Carrying Case (Aluminium)	
6706	Mounting Adapter O Ring	5	6719	Instructions	
6707	Mounting Adapter Sealing Washer	5	6719	Control Valves	14
6708	Smoke Cowling (Silver)	6	6719	Spacing Shims (as necessary)	15
6709	Gas Cowling (red)	7	6719	Lower Body	16
6710	Support Stand	8	6719	Upper Body	17
6711	Piezo Electric Igniter	9	6720	Protective Hand Grip	18
6712	Barrel	10	6721	Protective cage to fit round barrel optional extra (not illustrated)	
6713	Barrel Screw M5x10mm	11			

The Upper and Lower body castings and control valves are not available as space parts. Renewal of these parts must be undertaken by returning the smoke machine to Artem Ltd as specified under SERVICE AND REPAIR.

When ordering spare parts please can you state the following: part number, the type of smoke machine and the serial number. The serial number of individual machines is located on the lower half of the body casting below the barrel.

ARTEM HAND-HELD EXTERIOR SMOKE MACHINE - PATENT APPLIED FOR.

Manufactured by Artem Ltd