

CLEANING/MAINTENANCE/SERVICING SCHEDULE

All gas appliances should be subject to a formal cleaning & maintenance schedule. This should optimise performance, reduce the risk of un-timely failure, prevent the build up of dangerous gases, and minimise the risk of fire. Due to the effect different conditions & environments can have on these heaters it is essential that they be regularly monitored & all schedules updated. As a starting point, Maywick recommend the following:

Weekly:-

- (1) Lift filter and clean out filter casing and around bottom of Venturi. Clean off spark catchment tray, clear any blocked burner port holes, remove any build-up around thermocouple flame probe, etc.
- (2) Check shape/colour of pilot flame (if fitted). If shape distorted or very yellow/long, Pilot Jet needs replacing. ■

1-2 Months

- (1) Clean Main Burner Vertical Venturi. You will need to remove the large nut from under the large spark tray, remove the main gas feed by undoing the small screw around the base of the Venturi Casting and carefully insert a 'flue' brush and vigorously clean the inside of the casting tube.
- (2) Clean/un-block all Burner Flame Ports using port cleaner brush or similar.

6 months

- (1) Check condition of Mantle and Fibre Cone, check for corrosion/damage and replace if necessary.
- (2) Inspect Hoses for cracking/damage. ●

1 Year

- (1) Inspect Thermocouple Tip for corrosion, splits, etc. Any damage replace immediately.
- (2) Check colour/shape of Main Burner Flame. If yellowing and/or lazy flame, replace Main Jet. ■

3 Years

- (1) Replace Mantle
- (2) Replace Fibre Cone
- (3) Replace Thermocouple
- (4) Replace Main and Pilot Jet ■

4-5 Years

- (1) Replace Flame Failure Device/Gas Control Valve. ▲
- (2) Replace Hose. ●

N.B.

■ **Gas Jets:-** These should be replaced rather than cleaned (especially Pilot Jet) as cleaning can easily enlarge the orifice diameter which will seriously damage your heater (or worse still, lead to a fire).

Flame Failure Devices and Gas Control Valves:- Must NEVER be subjected to high pressure air or gas.

Fibre Cones:- These are made from an advanced natural plant-fibre, body-soluble material that can survive being splashed with water (they dry out quickly), but will disintegrate under high pressure water jets.

Spare Thermocouples & Jets should always be close at hand as they are subjected to the most wear & tear.

With a clean brooder, most troubles will be caused by some form of blockage or mechanical failure. The table on the next page covers most faults likely to occur. Seek qualified assistance if in any doubt.

▲ All gas controls use flexible material seals which are subject to age degradation as well as wear & tear. To optimise safety & reliability Maywick recommend they be replaced every 5 years. At 7 years, degradation can be significant and present a real hazard. They are sealed units and have NO user replaceable parts.

● Maywick supply only 'Orange' High-Pressure Hose. The orange rubber is purely a protective covering and in fact is perforated with tiny holes to ensure a bubble of gas cannot form underneath it, should there be a leak through the inner 'gas-carrying' core. Therefore, whilst you may find after a few years that the 'orange-outer' appears to be in good shape, it is quite possible that the Inner Core is breaking down due to age. It is a fact that ALL flexible materials break down over time due to the effects of wear & tear, Ozone attack, etc, which becomes significant after 5-7 years. So whilst some Hoses may appear in good condition, Maywick would still recommend that after 5-7 years you seriously consider replacing the hose to maximise safety.

Maywick are able to provide In-House or On-Site training for the Cleaning, Maintenance & Servicing of its range of Brooder Heaters. These courses can provide invaluable information and training to significantly reduce untimely failures and expensive call-out charges from service engineers. For further advice please contact our sales team.