

## Maintenance Schedule for FLAME 115 (48.7272)

Periodic maintenance of the heater is necessary to ensure proper performance and to prevent failures. Maintenance should be performed at periodic intervals shown below. Operating in dirty or dusty environments will require maintenance in shorter intervals.

### Daily maintenance

- Inspect air inlet / air outlet, remove debris if any
- Verify fuel tank is full
- Verify there are no visible fuel leaks

### Weekly maintenance

- Inspect fuel filter and replace if necessary (Figure 1). If fuel filter is full during operation, it is clogged and should be replaced. Normal operation should fill the filter approximately half or less.
- Disassemble burner head (see figures 4-7 below)
  - Ensure Combustion Air settings are correct (Figure 2 and Figure 2-A)
  - Inspect and clean burner diffuser – clean all soot and debris by wiping out with a cloth or an abrasive pad. Photo eye, shown in figure 3, depends upon a clean combustion chamber to reflect light back which allows the unit to detect sufficient light for run mode.
  - Clean ignition electrodes and adjust settings to 3mm apart (Figure 7)
  - Make sure Photo eye is wiped clean (Figure 3)
- Inspect the fuel hose assembly and check for any leaks

Figure 1



Figure 2

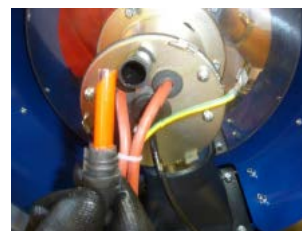


Figure 2-A



Set at 0.126"  
for Flame 115

Figure 3



### Monthly maintenance

- Disassemble burner head (see figures 4-7 below)
  - Inspect and replace nozzle if necessary
  - Check air combustion setting
- Inspect and clean the combustion chamber
- Open electric board, inspect electrical components and check connections
- Refer to Service Manual regarding Pump PSI (Flame115 @ 166 PSI) - Fuel Pressure Test Gauge item # 48.7265
- Inspect and test the burner when maintenance has been completed

Figure 4

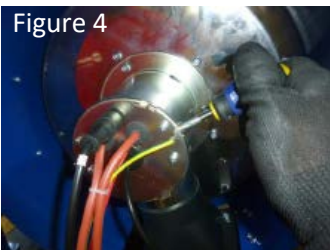


Figure 5



Figure 6

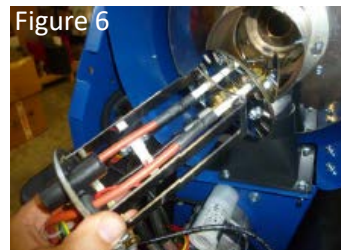


Figure 7

