

FLAMRAD SERIES GAS FIRED INFRA-RED OVERHEAD RADIANT HEATERS

CONVERSION OF HEATER FOR USE WITH OTHER GASES

REPLACE THE HEATER'S INJECTOR:

CAUTION:

**UNDER NO CIRCUMSTANCES SHOULD THE INJECTOR BE REPLACED
WITH THE HEATER IN ITS OPERATING POSITION**

**REFER TO THE TECHNICAL SPECIFICATION CHART FOR DETAILS OF THE CORRECT INJECTOR
SIZE**

- 1) ISOLATE THE GAS AND ELECTRICITY SUPPLIES TO THE HEATER BY SWITCHING OFF THE ELECTRICITY SUPPLY AT THE HEATER'S ISOLATING SWITCH AND TURNING OFF THE HEATER'S GAS SUPPLY AT THE ISOLATING COCK SITUATED BEFORE THE HEATER'S GOVERNOR OR CONTROL BOX.**
- 2) Disconnect the gas supply at the union BEFORE the gas governor (Nat Gas) or Control Box (LP Gas and HONEYWELL Control)
- 3) Disconnect the electrical supply lead (three core cable) from the Control Box and secure it in a safe place close to the heater - but NOT ON the heater.
- 4) Remove the complete heater from its mounted position and carry it to a convenient workbench
- 5) Place the heater - burner plaques down - on the workbench.
- 6) Unscrew the three screws securing the Injector Spider to the bell mouth opening on the burner, and pull the spider - and the gas train - clean from the burner. ON DUAL IN-LINE BURNER HEATERS also disconnect one of the connecting tubes' unions to enable the second Spider to be withdrawn from the burner.
- 7) Using a spanner, hold the injector locknut in position and with a second spanner unscrew the injector from its carrier.
- 8) Select the correct replacement injector (see the Technical Specification chart) and screw it into position - DO NOT OVERTIGHTEN.
- 9) Re-assemble the Injector Spider, ensuring that the injector is centralised in the venturi mouth. Reconnect the connecting tubes' union on a dual burner heater.

ADJUST THE GAS PRESSURE:

- 10) When converting from Natural Gas for use with Propane Gas on Manual heaters REMOVE THE GAS GOVERNOR and fit a suitable BSP socket to provide a female gas connection. DO NOT REMOVE THE HONEYWELL OR PACTROL CONTROLLER AND SOLENOID VALVE FROM AUTOMATIC MODELS.
- 11) When converting Manual Models from Propane Gas for use with Natural Gas fit an appropriately sized gas governor which must comply with EN 88: 1991.
- 12) Reconnect the heater to the gas supply. On Automatic Models reconnect the electricity supply cable to the Control Box. Switch on the electricity supply to the heater at the isolating switch.
- 13) Attach a gas pressure gauge (water gauge) to the outlet pressure test nipple (on the Control when an Automatic Model is being converted); turn on the gas supply at the Heater's isolating cock.
- 14) Check and adjust the gas pressure by adjusting the governor (on Natural Gas Manual Models) or at the Control on ALL Automatic models.
NOTE! When ALL the heaters are ON the Natural Gas Pressure MUST be set to 16.5 mbar and Propane gas pressure must be set to a minimum pressure of 35 mbar
- 15) ON MANUAL MODELS : adjust the Pilot Burner flame length to 25 mm by removing the hex plug from the Pilot Burner Body and turning the slotted head of the Pilot Flame adjusting screw CLOCKWISE to reduce the flame length or anti-clockwise to increase the flame length. Reseal the adjusting screw and replace the hexagon head.
- 16) **CHECK ALL GAS JOINTS FOR LEAKS using a leak detection fluid.**

FOR CONVERSION KITS PLEASE QUOTE THE HEATER'S MODEL AND SERIAL NOS FROM THE RATING PLATE, STATING THE GAS TO WHICH IT IS TO BE CONVERTED.

***INFRAGLO (SHEFFIELD) LTD
DANNEMORA DRIVE
GREENLAND ROAD IND PARK
SHEFFIELD S9 5DF***

TEL: 0114 2495445

FAX: 0114 2495066