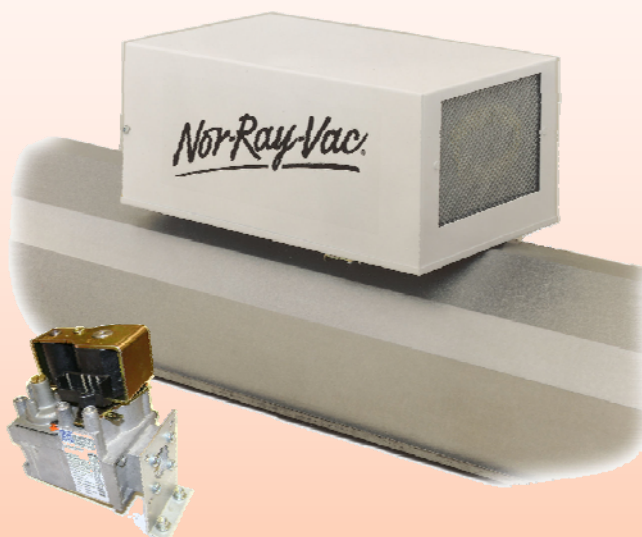


## NRV BM TO SIT SIGMA 848 GAS VALVE CHANGE



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### WARNINGS

AmbiRad equipment must be installed and maintained in accordance with the relevant provisions of the Gas Safety (Installations and Use) Regulations 1998 for gas fired products. Due account should also be taken of any obligations arising from the Health and Safety at Works Act 1974 or relevant codes of practice. In addition the installation must be carried out in accordance with the current IEE wiring regulations (BS 7671), BS 6896:2005 (Industrial & Commercial) and any other relevant British Standards and Codes of Practice by a qualified installer. All external wiring MUST comply with the current IEE wiring regulations.

# 1. General Information.

This bulletin describes the procedures to be carried out when replacing a NRV LR burner BM gas valve manufactured by Dungs, AmbiRad part No. **C111513** (now obsolete). See Fig.1.

The replacement valve is a SIT Sigma 848, which will be supplied within a kit of parts with the same AmbiRad part No. **(C111513)** (See Fig 2).



Obsolete Dungs BM valve.

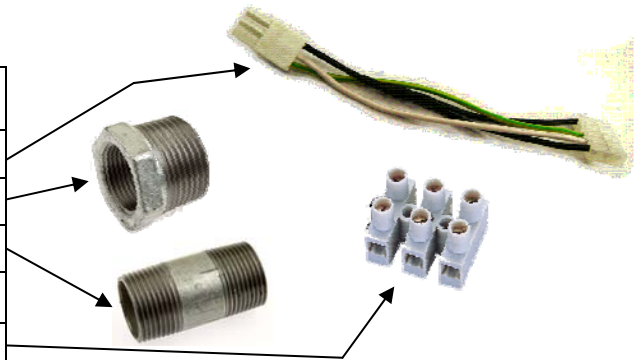


SIT Sigma 848 with mounting bracket attached.

# 2. Parts Requirement.

In addition to the gas valve the following parts will also be included in the kit.

Quantity	Description	AmbiRad part number
1	Mini harness	900041
1	Reducer	2320
1	Barrel nipple	2314-2
1	Bracket	L102020
1	3 way connector	3125 (0.25)



# 3. Instructions.

**!** *Ensure that both the gas and electricity supplies are isolated from the burner before commencing.*

### Removing old valve

- 1: Remove the electrical connections from the old valve by EITHER unplugging the 3 way connector from the main harness (5" burners), OR, cutting off the red and blue cables (4" burners), leaving as much spare cable as possible.
- 2: Remove the external flexible gas feed hose from the burner.
- 3: Remove the four screws securing the burner casting plus the HT and rectification leads from the probe assembly.
- 4: The valve and burner casting can now be withdrawn from the burner housing.

**5:** Remove the four screws securing the mounting bracket to the valve, then unscrew the valve from the burner casting.

**6:** Unscrew the old pipe from the burner casting.

**7:** Unscrew the original inlet feed pipe from the gas valve. (Retain for re-use).

### Fitting new valve

**!** *All threaded pipe joints should be sealed using a suitable sealing compound.*

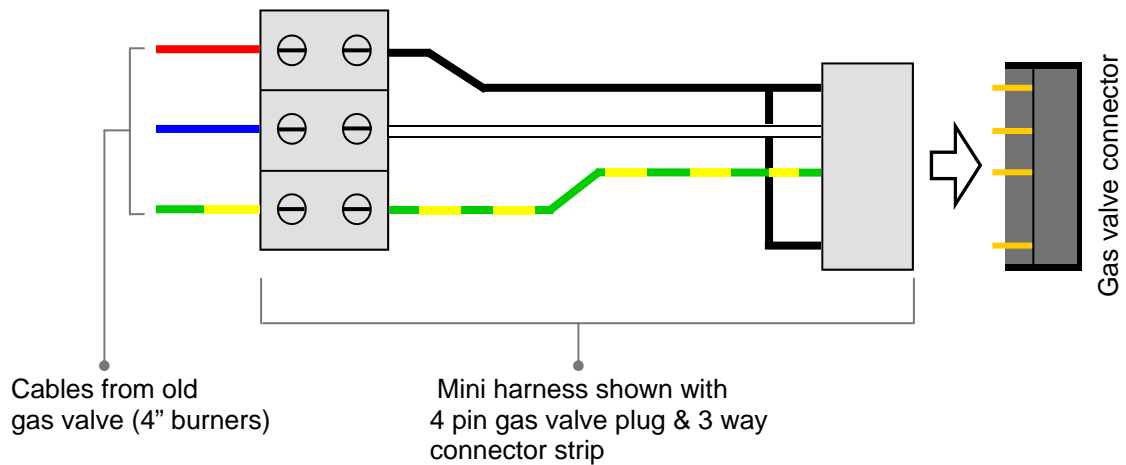
- 1: Refit the original inlet feed pipe to the new gas valve.
- 2: Refit the mounting bracket with the foot the OPPOSITE way round. (See Fig.2).
- 3: Fit the reducing bush into the outlet side of the gas valve.

### 3. Instructions cont.

5: Refit this assembly into the burner casting.

6: Refit burner casting complete with valve into the combustion tube.

7: Fit the new mini harness 4 pin plug to the new gas valve, then EITHER connect the plug on the other end into the main harness socket (5" burners), OR cut off the mini harness 3 way plug and connect valve cables using the 3 way connector strip supplied as shown in the diagram below (4" burners).



8: Refit the HT and rectification leads onto their respective connections.

**!** *Following this procedure the burner MUST be re-commissioned.*

# Notes.

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