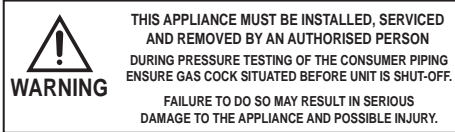


REU-V2632FFUG / REU-VM2632FFUC

GAS PRESSURE SETTING AND DIAGNOSTICS INFORMATION

NOTE: For additional installation and commissioning information refer to Operation / Installation Manual



APPLIANCE OPERATING PRESSURES (kPa)

Table 1.

	Water Inlet Pressure (Min)kPa	Gas Inlet Pressure (Min. / Max.)kPa		Forced Low kPa		Forced High kPa	
		Nat.G	Prop.G	Nat.G	Prop.G	Nat.G	Prop.G
REU-V2632FFUG / REU-VM2632FFUC	140	1.13 3.0	2.75 3.0	0.16	0.21	0.80	1.06

COMMISSIONING

With all gas appliances in operation at maximum gas rate, the flowing inlet pressure at the incoming test point on the Infinity should read 1.13 - 3.0 kPa on Natural Gas and 2.75 - 3.0 kPa on Propane Gas. If the pressure is lower, the gas supply is inadequate and the appliance unit will not operate to specification. Check gas meter, regulator and pipework for correct operation/sizing and rectify as required.

GAS PRESSURE SETTING

(Ensure gas pressure check under Commissioning has been completed first !)

The regulator is electronically controlled and factory pre-set. **Under normal circumstances it does not require adjustment during installation. Make adjustments only if the unit is not operating correctly and all other possible causes for incorrect operation have been eliminated.**

1. Turn 'OFF' the gas supply.
2. Turn 'OFF' 240V power supply.
3. Remove the front cover from the appliance.
4. Check gas type switches (Fig.1) are in the correct position (dip switch 1 of SW2 'ON' = NG, 'OFF' = LPG)

Note: 'ON' towards front, 'OFF' towards rear.

5. Attach pressure gauge to burner test point, located on the gas control. (Fig.2).
6. Turn 'ON' the gas supply.
7. Turn 'ON' 240V power supply.
8. If remote controllers are fitted, turn the unit 'ON' at the kitchen controller, select the maximum delivery temperature and open all available hot water taps full including the shower.
(**CAUTION:** Ensure building occupants do not have access to hot water outlets during this procedure).
9. Set the Infinity to 'Forced Low' combustion by setting No. 7 dip switch of the (SW1) set of dip switches to 'ON'. (Fig.3).
10. Check the burner test point pressure.
11. Remove rubber access plug and adjust the regulator screw on the modulating valve (Fig.4) as required in Table 1. Replace rubber access plug.

12. Set the Infinity to 'Forced High' combustion by setting both No. 7 and No. 8 dip switches of the bottom (SW1) set to 'ON'. (Fig.5). **Ensure maximum water flow !**

13. Check the burner test point pressure.

14. Adjust the high pressure Potentiometer (POT) on the Printed Circuit Board (PCB) as required to the pressure shown in Table 1.

IMPORTANT: Set dip switches No.7 and 8 on the bottom (SW1) to 'OFF' to return the appliance to 'Normal' combustion. (Fig. 6).

15. Close hot water tap.

16. Turn 'OFF' the gas supply and 240V power supply.

17. Remove pressure gauge and replacing sealing screw.

18. Turn 'ON' the gas supply and 240V power supply.

19. Operate unit and check for gas leaks at test point.

20. Replace the front cover of the appliance.

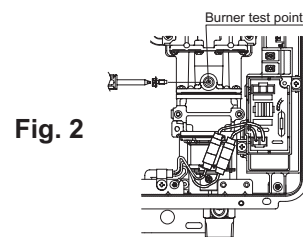
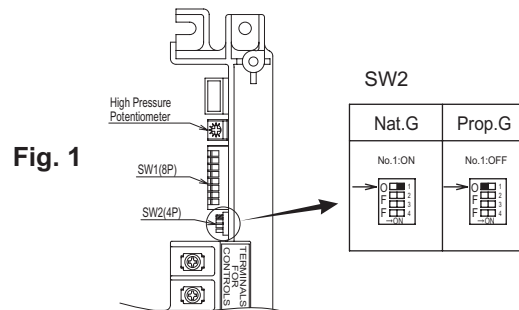


Fig. 3

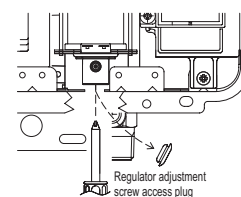


Fig. 4

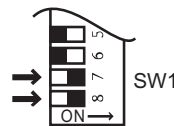


Fig. 5

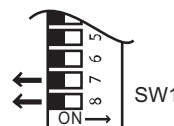


Fig. 6

Legend (Black section indicates position of switch)

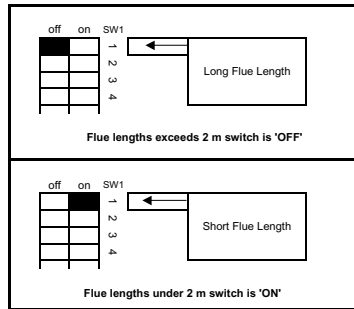


REU-V2632FFUG / REU-VM2632FFUC

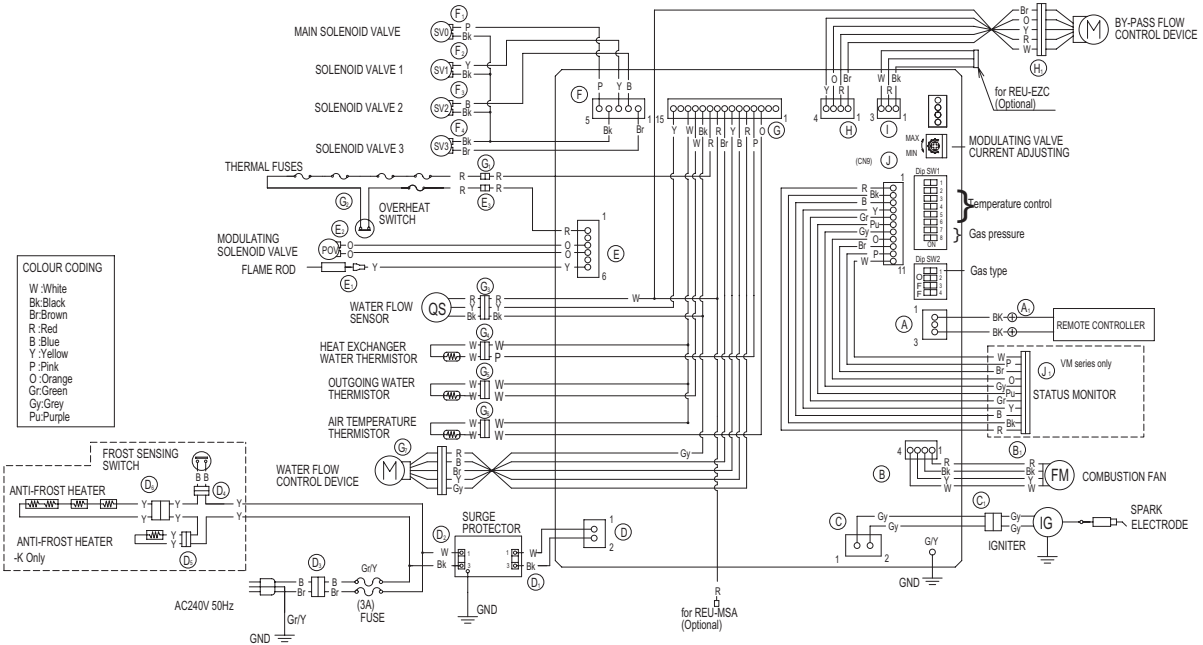
DIP SWITCH FOR FLUE LENGTH

If flue length exceeds 2 metres, dip switch 1 of SW1 is to be switched to the 'OFF' position.

If the flue length is less than 2 metres, dip switch 1 of SW 1 is to be switched to the 'ON' position.



CIRCUIT DIAGRAM AND DIAGNOSTICS POINTS



FLUE CHART No.	COMPONENT	MEASUREMENT POINT	WIRE COLOUR	NORMAL VALUE	A NOTE
①	SURGE PROTECTOR	D1	B-Bk	AC207 - 264V	
②	WATER FLOW CONTROL DEVICE	G5	R-B	DC11 - 13V	OPERATE ELECTRICITY
			Gy-O	DC11 - 13V	CONTROL ELECTRICITY
			Gy-Y	BELOW DC1V (LIMITER ON)	FULL OPEN POSITION
			Gy-Br	BELOW DC1V (LIMITER ON)	FULL CLOSE POSITION
③	BY-PASS FLOW CONTROL DEVICE	H1	Br-W O-W Y-W R-W GND	DC12V (OPERATING DC2 - 6V) 15 - 35	
④	REMOTE CONTROL	A1	Bk-Bk	DC11 - 13V	
⑤	WATER FLOW SENSOR	G5	R-Bk	DC11 - 13V	ON: 71MIN (30Hz) OVER 1800PULSE/MIN OFF: 21MIN (2Hz) BELOW 1200PULSE/MIN
⑥	COMBUSTION FAN	B1	Y-Bk GND	DC6 - 45V	
			W-Bk GND	DC6 - 45V (33 - 400Hz)	
⑦	FLAME ROD	E1	Y-BODY EARTH Y-FLAME ROD	AC5 - 150V OVER DC1 μA	AFTER IGNITION FLAME CONDITION
⑧	MODULATING VALVE	E2	P-P	DC2 - 15V 67 - 81	

FLUE CHART No.	COMPONENT	MEASUREMENT POINT	WIRE COLOUR	NORMAL VALUE	A NOTE
⑨	OUTGOING THERMISTOR	G6	W-W	15 °C... 11.4 - 14.0k	
⑩	HEAT EXCHANGER OUTGOING THERMISTOR	G4	W-P	30 °C... 6.4 - 7.0k	
⑪	AIR THERMISTOR	G8	W-O	45 °C... 3.6 - 4.5k	
				60 °C... 2.2 - 2.7k	
				105 °C... 0.6 - 0.8k	
⑫	THERMAL FUSE	G1	R-R	BELOW 1	
⑬	IGNITER	C1	Gy-Gy	AC207 - 264V	
⑭	MAIN SOLENOID VALVE	F1	P-Bk	DC11 - 13V 37 - 43	
⑮	SOLENOID VALVE 1	F2	Y-Bk	DC11 - 13V 37 - 43	
⑯	SOLENOID VALVE 2	F3	B-Bk	DC11 - 13V 37 - 43	
⑰	SOLENOID VALVE 3	F4	Br-Bk	DC11 - 13V 35 - 41	

