

Technical Bulletin

Product: Sit & Resideo gas valves

COIL RESISTANCES

Our current range of 2000, 4000 & 8000 gas boilers are approved to use either a SIT or a Resideo (Honeywell) gas valve. The boiler could be fitted with either one from production. For boilers where gas valves are interchangeable, spare parts may provide either one.

Note:

- 1000 boilers are only approved for use with the Resideo gas valve.
- 8000 boilers use the same gas valves for NG & LPG. They do not use a specific LPG gas valve.
- 2000 & 4000 boilers that are adjusted for LPG must use the specific Resideo LPG gas valve.

On boilers that are approved with both gas valves, the gas valves are completely interchangeable. Gas inlet, outlet and electrical connections are the same.

To help identify the gas valve on the appliance you are working on, please refer to fig 1.

Note: The resistance we state in the 1000 manual is incorrect. We state 67Ω which is correct for SIT gas valves. It should state 115Ω for Resideo gas valves.

Key differences to consider:

- The SIT gas valve uses a 4mm Allen key on the offset (Min) adjuster. **There is no protective cap.**
- The Resideo gas valve uses a T40 Torx key on the offset (Min) adjuster. **A protective cap is used in front of the adjuster.** This is also a T40 Torx.
- The Resideo LPG gas valve also has a Max CO₂ adjuster which uses a 4mm Allen key.

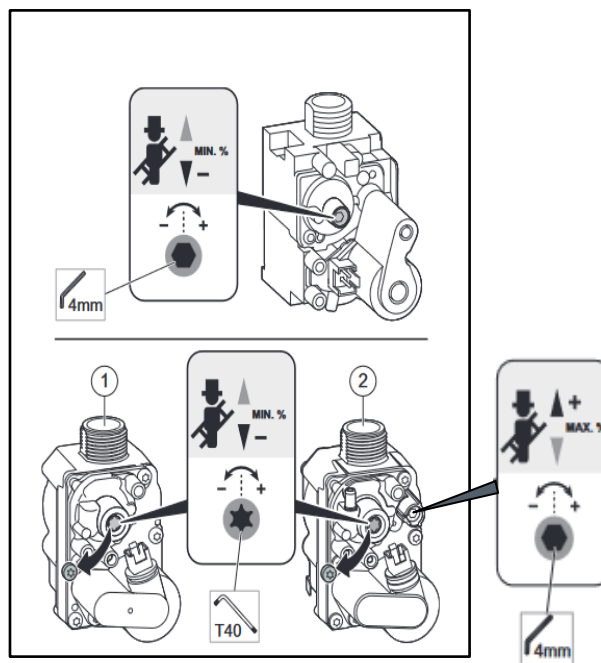


FIG 1

- Top gas valve = SIT
- Bottom gas valve (1) Resideo NG
- Bottom gas valve (2) Resideo LPG

It is important when fault finding the gas valve to correctly identify the valve which you are testing as the coil resistances are completely different for each manufacturer.

To check the resistance of the coils, you must:

- unplug the harness from the gas valve.
- Use a multimeter set to measure Ohms - Ω.
- Use the multimeter probes to measure the resistance between the two electrical pins at the harness connection on the gas valve.

The resistance should be:

	Min	Nominal	Max
Resideo	= 110Ω	- 114.5Ω -	120Ω
SIT	= 55Ω	- 66.8Ω -	85Ω

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