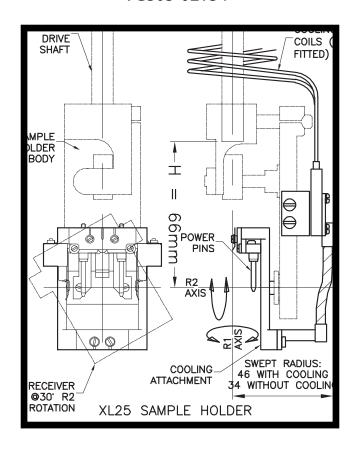


Assembly Guide XL25 Heater Assembly AS0034

VGS03-02T34



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DISCLATIVILIT

This Assembly Guide should be used in conjunction with the owner's manual where available, and is intended as a guide only as there maybe variations between versions and therefore must be used at the Owner's Risk. For more detailed assistance, please contact our Support desk +44 (0) 1323 379 335 or support@vacgen.com.

HEALTH AND SAFETY

All repairs and services should be carried out by a qualified engineer, usinig the correct tools and procedures to carry out the repair. VACGEN are not liable for any errors within the assembly guides which may cause inconsistencies during repair.

The Goods, especially chemicals, may be dangerous if not properly used or stored and the appropriate precautions taken. The Customer accordingly agrees that it shall take all such steps as are reasonably practicable or usual to eliminate or reduce any risk to health and/or safety to which use of the Goods may give rise and acknowledges that where the Goods are manufactured to a design supplied by the Customer, the Company will not undertake any research as to the risks to health and/or safety which may arise from use or storage of the Goods. Where the Goods are manufactured to a design supplied by the Customer, the Customer shall comply with all the duties which may be implied at law on a designer and/or manufacturer of the Goods.

Revision	Date	Comment	Initials
1			
2			
3			

Unit A, Swallow Business Park Diamond Drive, Lower Dicker Hailsham, East Sussex BN27 4EL, UK



Strip the heater assembly

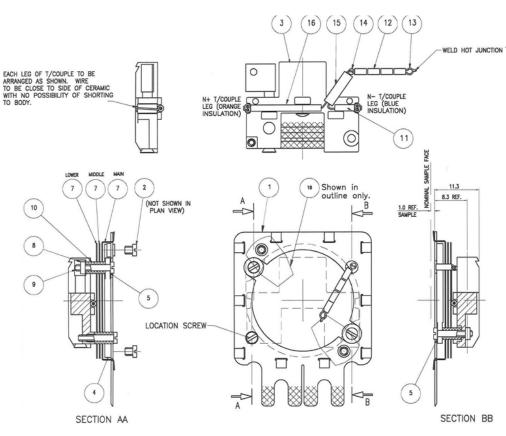
The only difference between the XL25VH and XL25HC is the XL25VH has a hole in the top plate, so the sample can sit directly on the PBN Element

Tip: To try and stop the screws breaking when undoing, apply isopropanol to the screw thread to act as a lubricant, also slightly wiggling the screw breaks the bond before undoing.

- 1. Remove the sample clips (18)
- 2. Remove the two main screws holding the assembly together (9) Be careful of the Graphite Washers (5)
- 3. Lift off the heater assembly
- 4. Note the orientation of the Radiation Shields
- 5. Peel the clips back on the Sample Plate Assembly and part the upper and lower part
- 6. Lift out the Heater Element (4) (This should be between 19.5 to 22.5 ohms)

When replacing the heater, take care not to break the contacts on the PBN Element. Check the height (11.3mm) as this is critical for loading the heater onto the carrier.





ITEM	DESCRIPTION	
1	SAMPLE PLATE ASY	
2	SPECIAL SCREW (Mo)	
3	INITIAL ASSEMBLY	
4	HEATER ELEMENT: REF DC-36-07-3	
5	GRAPHITE WASHER	
6		
7	HEAT SHIELD SET	1
8	MOLY NUT, M1.6: REF DC-36-15-4	2
9	MOLY SCREW M1.6 x 9: REF DC-36-16-4	3
10	CERAMIC SPACER, 4.85 LONG	3
11	CERAMIC TUBE CUT TO 5.0 LONG	1
12	INSULATOR	
13	N-TYPE THERMOCOUPLE 1/0.3 PAIR	0.1 m
14	TWIN ROUND CERAMIC CUT TO 4.0 LONG	1
15	TWIN FLAT CERAMIC CUT TO 9.0 LONG	1
16	CERAMIC TUBE CUT TO 18.0 LONG	1
17		
18	SAMPLE CLAMP	2
19	-	

CHECK ELEMENT RESISTANCE TO BE BETWEEN 19.5 & 22.5 OHMS.

BREAKDOWN VOLTAGE BETWEEN T'COUPLE AND SAMPLE PLATE 1000 VOLTS MIN.

