



VACGEN

## Assembly Guide ZTIR23 Filament Assembly AS0008

VGS03-02T08



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## DISCLAIMER

This Assembly Guide should be used in conjunction with the owner's manual where available, and is intended as a guide only as there may be 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

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Revision	Date	Comment	Initials
1			
2			
3			

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## Assembly Information for VIG Filaments

The ZTIR23 filament is coated in Thoria, which is carcinogenic.

Health and Safety precautions must be applied.

A well ventilated room and gloves with face mask and/or flow cabinet.

1. Remove old filament by unscrewing the three grub screws.
2. With the new filament, fit the centre post first and fix.
3. Cut the keeper bar, very carefully not to stretch the filament, (This is where the Thoria can cloud on the ZTIR23 filaments).
4. Pull the filament leg into the barrel, this will apply tension to the filament, so do not over stretch the filament.
5. Repeat on the the second filament.
6. Check that the centre post is about 1 mm from the grid.
7. Check the filaments are parallel and not touching the grid.

If you wish to clean the VIG Gauge prior to fitting the new filaments, this can be done in de-min water in an ultra-sonic, if available. Then place in isopropanol and ultra-sonic, if available. Drain as much of the isopropanol off as possible and place in an oven at 100°C over night.

### IMPORTANT Safety Notice

1. Make sure that most of the isopropanol is removed, owing to its flash point.
2. Once the filaments have been run, the Iridium becomes very soft. Hence, it is very difficult to refit once run.

