

Ionizer Replacement kit for the RGA100, RGA200 and RGA300

SRS Part# O100RI

The Ionizer Replacement kit (SRS# O100RI) contains all the parts needed to completely replace the ionizer of the SRS Residual Gas Analyzers models RGA100, RGA200 and RGA300.

The replacement parts are pre-cleaned at the factory and should only be handled by qualified personnel following the most strict vacuum compatible procedures. Do not open the sealed plastic bags until ready for the replacement procedure. The wire-mesh cages are very delicate and should be handled with extreme care.

Replacement Instructions

Please consult the **Ionizer Replacement** section in the **RGA Maintenance** chapter of the **Operations Manual** of your RGA for detailed instructions on the replacement of the ionizer parts.

Kit Components

1. One repeller cage, SRS # 7-00592
2. One anode grid, SRS # 7-00591
3. One ThO₂-Ir Filament, SRS# 7-00611
4. One focus plate, SRS # 7-00590
5. Ten replacement screws (0-80x3/16"), SRS# 0-00574
6. Three replacement hex nuts, SRS 0-00575-010.
7. Six replacement e-clips, SRS # 0-00579

Please check your kit and make sure all the necessary parts are included. Contact SRS immediately if any parts are missing or were damaged during shipping.

To reorder replacement kits for the RGA please contact Stanford Research Systems, 1290 D Reamwood Avenue, CA 94089, T.E. (408) 744-9040, FX (408) 744-9049.

Warnings!

- **Dangerous voltages, capable of causing injury or death, are present in the RGA. Use extreme caution whenever servicing any of its parts.**
- **Carefully follow the instructions in the manual. Failure to do so might result in serious personal injury and damage to the instrument.**
- **Do not substitute parts or modify the instrument. Because of the danger of introducing additional hazards, do not install substitute parts or perform any unauthorized modification to the product. Do not use the product if it has unauthorized modifications. Return the product to SRS for service and repair to ensure that safety features are maintained.**
- **Use only SRS supplied replacement parts.**
- **Disconnect the ECU box from the probe before servicing any of the probe components.**
- **Turn off the emission and wait for at least 30 minutes before removing a probe from a vacuum chamber. Serious burns can occur if the probe components are handled too soon.**
- **Use proper vacuum procedures when handling the probe.**
- **Avoid contaminating the probe and the replacement parts:**
 - * **Work in a clean, dust free area. A clean room compatible environment is best.**
 - * **Do not talk or breath on any of the parts.**
 - * **Wear gloves!**
 - * **Use clean tools during service procedures!**
 - * **Wear respirators, hair covers and no facial make-up.**
- **Protect the integrity of the vacuum seals:**
 - * **Avoid scratching the metal seals.**
 - * **Do not use nonmetal seals.**
- **Verify that the vacuum port is electrically grounded before attempting installation of the RGA Head to the vacuum system.**

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