

This procedure can be used for all Silencer® centrifuges with four or six place horizontal rotors.

WARNING

This document doesn't supersede or replace the Instruction Manual or Service Manual for your Silencer® centrifuge.

CLEANING / LUBRICATING MAINTENANCE

WARNING

Follow standard safety precautions for handling of potential biological hazards!

Proper rotor / carrier maintenance is required on horizontal rotors to maintain smooth performance and to minimize rotor imbalances caused by dynamic carrier imbalances. The frequency it is required is dependent upon variables such as workload, tube breakages, and cleaning / disinfecting frequency. This procedure should be performed after any tube breakage (after all glass has been removed and the rotor chamber has been cleaned), and after any cleaning or disinfecting of the carriers or the rotor chamber is performed. If the maintenance schedule includes a cleaning and/or disinfecting procedure, please add this procedure as the last step of that procedure.

Materials Required

1. Tri-Flow® cleaner / lubricant (available as GFMD, Ltd. cat. no. SIL00180)
2. Cotton Swabs
3. Cotton Pads
4. Rubber Gloves

Cleaning & Lubricating Procedure

1. Ensure all the carriers (buckets) have the same serial number. The serial number will be on the outside bottom of the carrier.

2. Ensure the carriers are in their correct rotor position. The rotor position number will be on the outside bottom of the carrier.
3. Starting with rotor position 1.
4. Remove the insert (tube holder) from the carrier and set aside.
5. Remove the carrier from the rotor.
6. Ensure there is no debris or residue from broken tubes in the carriers that may effect balance.
7. Set the carrier upside down on a convenient work surface.
8. Spray a slight amount of Tri-Flow[®] into the recessed area on one side of the carrier.
9. Clean the recessed area out using a cotton swab.
10. Repeat steps 8 & 9 using fresh cotton swabs until the swabs do not show any gray/black residue after use. Leave a slight film of lubricant when finished.
11. Perform steps 8 - 10 on the recessed area on the other side of the metal carrier.
12. Spray a slight amount of Tri-Flow[®] on a fresh cotton pad and clean the rotor pivot pins by wiping with the cotton pad.
13. Repeat step 12 with fresh cotton pads as necessary to thoroughly clean the rotor pins. Leave a slight film of lubricant when finished.
14. Replace the carrier onto it's rotor position.
15. Ensure there is no debris or residue from broken tubes in the insert that may effect balance.
16. Replace the insert into it's carrier.
17. Perform steps 4 - 16 on rotor positions 2 - 4.
18. Ensure that the opposite inserts are of the same type, balanced, and oriented the same.