



## SANITIZATION PROTOCOL FOR YOUR ARIA 19, APA AND RD 40 ADAPTORS

After some preliminary tests carried out on Aria 19, APA and RD 40 adaptors, the following sanitization procedures are proposed. They are based on recommendations from CDC, OSHA, the National Academy of Science and many hospitals in Europe, Canada, and USA. All the Aria 19 mask and adaptors are functional and seal well after each sanitization process.

- Remove any filter connected to the adaptor prior to sanitization.
- NEVER use any solvent, cleaner or abrasive product to clean the Aria 19 Mask, the RD40 and the APA Adaptor.
- Do not sanitise a mask+adaptors protection system that is clearly damaged.
- Be careful do not deform the Aria 19 Mask, the RD40 and the APA Adaptor during sanitization as it could negatively impact its fit.

### Treatment in Diluted NaClO (bleaching solution)

1. Place the Aria 19 mask, the RD40 and APA adaptors in a commercial solution of NaClO-sodium hypochlorite (dilution: max 2.5-3% vol/vol) for 5-10 minutes.
2. Possibly, each mask and adaptors should not overlap or cover the other ones.
3. After sanitization, remove carefully the mask and the adaptors from the solution, rinse deeply under fresh water just to remove all the hypochlorite residuals and allow the perfect drying in a safe and not contaminated environment.
4. Maximum allowed sanitization cycles: 120

### Treatment in Diluted Ethanol

1. Place the Aria 19 mask, the RD40 and APA adaptors in a commercial solution of ethanol (dilution: 3-5% vol/vol) for 5-10 minutes.
2. Possibly, each mask and adaptors should not overlap or cover the other ones.
3. After sanitization, remove carefully the mask and the adaptors from the solution, rinse deeply under fresh water just to remove all the alcohol residuals and allow the perfect drying in a safe and not contaminated environment.
4. Maximum allowed sanitization cycles: 120

### Treatment with Sanitising Wipes

1. Clean Aria 19 mask, the RD40 and APA adaptors with commercial alcohol based, benzalkonium chloride or hypochlorite based wipes.
2. After sanitization, remove the wipes, disposing them properly, and allow the perfect drying in a safe and not contaminated environment.
3. Maximum allowed sanitization cycles: 400





### Treatment with Medical Disinfectants

1. Clean Aria 19 mask, the RD40 and APA adaptors with commercial medical disinfectants based on benzalkonium chloride, ethanol or chlorhexidine for 5-10 minutes.
2. Possibly, each mask and adaptors should not overlap or cover the other ones.
3. After sanitization, remove carefully the mask and the adaptors from the solution, rinse deeply under fresh water just to remove all the alcohol residuals and allow the perfect drying in a safe and not contaminated environment.
4. Maximum allowed sanitization cycles: 400

### Treatment in Boiling Water

*(suggested only for domestic use)*

1. Place the Aria 19 mask, the RD40 and APA adaptors in boiling water for 5-10 minutes.
2. Possibly, each mask and adaptors should not overlap or cover the other ones.
3. After sanitization, remove carefully the mask and the adaptors from hot water, allowing the perfect drying in a safe and not contaminated environment.
4. Maximum allowed sanitization cycles: 160

### Treatment in Dishwasher

*(suggested only for domestic use)*

1. Place the Aria 19 mask, the RD40 and APA adaptors in a dishwasher for one (1) hour at 70°C using dishwasher soap. The dishwasher should be sterilized prior to use. They should be the only objects in the dishwasher.
2. After sanitization, remove the mask and the adaptors from the machine, allowing the perfect drying in a safe and not contaminated environment.
3. Maximum allowed sanitization cycles: 160

### Filter Sanitization

1. Clean the filter with commercial alcohol based, benzalkonium chloride or hypochlorite based wipes.
2. After sanitization, remove the wipes, disposing them properly, and allow the perfect drying in a safe and not contaminated environment.
3. Maximum allowed sanitization cycles: 500

Upon completion of the cycle, the filter, the Aria 19 mask, the RD40 and APA adaptors must be stored in a closed PE bag ready for the next use in a dry and cool place. If one of them appears visually damaged or soiled, it should be discarded. Any mask and/or adaptors that has exceeded the sanitization cycles should be discarded as well.

Please note that successful completion of the chosen method and cycle signifies appropriately sanitised filter, Aria 19 mask, RD40 and APA adaptors.

Please note that this protocol is not formally approved, and each hospital should consult their EH&S officers or infection disease specialists for a standard operating procedure.



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