

AVONAIR SYSTEM AUTO FILTER COVERS ACCESSORY – Automatic Switchover from SCBA to APR/PAPR Mode

Assembly Part Numbers Affected: 200086

NOTICE: For maximum continued protection for users of the AvonAir CS-PAPR system with the Auto Filter Accessory Option installed, the following recommendations must be followed and performed. The procedures described herein are complementary to those described in the AvonAir CS-PAPR, Automatic Filter Covers, ST53 (SCBA) & ST54 (SCBA) User Instructions (UI).

REQUESTED ACTIONS

The protection and safety of our users is Avon Protection's highest priority. As such, we are issuing this bulletin to remind users of the AvonAir Auto Filter Covers accessory that it is imperative that all user instructions and relevant industry safety standards relating to SCBA use are rigidly adhered to. Failure to do so may result in injury or death. Specifically, users are reminded that the inclusion of multiple operational mode capabilities does not alleviate the user's primary responsibility to ensure that cylinder air usage is managed in a manner that ensures safe egress from environments requiring supplied air prior to the activation of the EOSTI alarm, and with a margin of safety consistent with local SOPs and industry safety guidelines.

BACKGROUND

During use in SCBA mode the Auto Filter Covers assembly activates and seals the filters. If EOSTI warnings are ignored during use and the pressure in the SCBA air cylinder continues to be exhausted, a point may be reached at which the Auto Filter Covers assembly cannot be deactivated. This condition, resulting from extremely low cylinder pressures, prevents transition back to APR/PAPR operation mode and may result in the user being unable to breathe through the system in any operational mode because the filters remain sealed. This condition can only occur at cylinder pressures well below the minimum levels for use defined in the manufacturer's instructions and industry safety guidelines.

AVON PROTECTION RECOMMENDATIONS

To avoid encountering this condition, Avon Protection reminds users to follow the instructions contained in the ST53 & ST54 UI regarding the End of Service Time Indicator (EOSTI) warnings, as well as industry standard guidelines surrounding the safe use of supplied air systems.



WARNING

If the system continues to be used in SCBA mode beyond the activation of the EOSTI alarm, remaining cylinder pressure may become insufficient to allow the user to switch to an alternate operation mode.



WARNING

The CS-PAPR/Auto Filter Covers system will NOT protect the user from serious injury or death in environments with low (<19.5%) oxygen levels or in atmospheres containing high concentrations of Carbon Monoxide (CO) or Carbon Dioxide (CO₂).

REFERENCES

Avon Protection Auto Filter Covers UI
Avon Protection ST53 SCBA UI (NIOSH/CE)
Avon protection ST54 SCBA UI (NIOSH/CE)

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