

# Cleaning and disinfection of Respiratory Equipment - a Step-By-Step Process



## Call-out

Breathing apparatus (BA) equipment is contaminated after use

## Info box

### Personal safety precautions:

this term refers to all the precautions taken by BA equipment managers/technicians at work to protect them against contamination from internal sources (e.g. bacteria) and external sources (e.g. combustion by-products) on personal protective equipment. Information on the type of contamination can be obtained directly from the on-scene commander (e.g. what exactly burned in the fire?). This is the basis for choosing which personal safety precautions should be taken (more information is available (in German) at [www.atemschutzlexikon.de](http://www.atemschutzlexikon.de)).



Clean area

## Storage and issue

10

- Store in accordance with manufacturer's specifications / DIN 7716
- Storage and issue of equipment



Dirty area

## Return to base

1

- Delivery of contaminated equipment
- Take personal safety precautions by using appropriate protective clothing and masks (see info box)
- Dispose of used respiratory filters
- Prepare documentation



Clean area

## Admin

9

- Accurate, verifiable records of all work performed



Dirty area

## Preliminary cleaning

2

- Pre-clean contaminated BA masks, regulators and SCBA harnesses
- Take personal safety precautions by using appropriate personal protective clothing and masks



Clean area

## Filling of cylinders

8

- Filling panel/rig, safety filling system



Clean area

## Maintenance, repair, inspection

7

- As per manufacturer's instructions and vfdb guideline 0840 (previously 0804)
- Store in proper hygienic packaging



Clean area

## Reassembling, replacing

6

- As per manufacturer's instructions and vfdb guideline 0840 (previously 0804)



Dirty area

## Dismantling

3

- Dismantle BA masks and SCBA sets
- Take appropriate personal safety precautions



Dirty area

## Closed-loop cleaning + disinfection

4

- Place the equipment in TopClean M
- Take appropriate personal safety precautions

Close TopClean M door, start wash cycle

Safety and reliability assured by automatic mechanical

- cleaning
- disinfection
- rinsing



Clean area



Clean area

## Drying

5

- Place cleaned, disinfected and rinsed parts in drying cabinet
- Dry at specified temperature for stipulated time

