

# Further Application Guide

# NAFAShield



## QUESTION 1. :

NAFAShield 99 already tested and certified that it can be used for multiple times of use. What makes this reusability possible for NAFAShield 99 ?

Answer :

*NAFAShield 99 is made of filter material together with structure material formed into its shape and in its completed form it is tested and PASSED for multiple use under the EN 149 test method.*

## QUESTION 2. :

If NAFAShield 99 is for multiple times of use, how many times can it be reused or until when ?

ANSWER :

*Use NAFAShield 99 for multiple times until the user experiencing difficulties to breath through it OR there are physical signs that the NAFAShield 99 filter material and its form-structure has distorted OR spoilt OR apparent signs of severe wear and tear. Actual period it can be used is subjective as it depends on the nature of its application, extent of exposure and the user personal practices.*

## QUESTION 3. :

If NAFAShield 99 is for multiple times of use, it seemed suitable for industrial environment use. Isn't it risky to reuse for healthcare application since once it is exposed to germs at affected environment, to reuse will pose high risk to the user?

ANSWER :

- a) *Multiple times of usage of NAFAShield 99 is indeed suitable for the industries. However, since its application concept is based on particulate filtration, therefore its use under healthcare environment is also applicable. **TO REUSE THE UNITS**, once it is already "dirtied" after use under the industrial conditions OR once it is "exposed" to environment with potential germs etc, for BOTH applications (industrial or healthcare), it is required **TO CLEAN** the units **BEFORE REUSE**. Refer to our Cleaning Method Guide ! (CMG !).*
- b) *For healthcare use under critical conditions where the specialists require the mask to be immediately disposed due to the severity of the exposure and high risk, for such applications, the use of any reusable type of mask should be avoided and to use any other suitable types as recommended by the specialists.*
- c) **NAFAShield 99 IS NOT TESTED AND NOT CERTIFIED FOR FLUID RESISTANCE.** *If the healthcare application involving possible splashing of body-liquids (blood, mucus, etc), for such applications that potentially with splashing of fluids, to additionally use FACE SHIELD together with NAFAShield 99. Or alternatively to completely change to using **special** N95 type which is **Medical Grade N95** that has extra features of Fluid Resistance.*

#### QUESTION 4. :

We are currently using N95. How is it using NAFAShield 99 is better for us?



ANSWER :

- a) *Its good that N95 is being currently opted and used since usage of N95 stresses the concept of using product that is with Certified Filtration Ratings (in this case N95) AND tight-fitting of the mask to the user face without any leakage openings ; for protection applications IF requires or allows NO leakage-openings. For non critical use that allows leakage openings, the use of Surgical Masks (or also known as 3-Ply Masks) are quite commonly practiced instead of the tight fitting N95 type. Presence of leakage openings may lead to the user being further exposed to the surrounding respiratory hazards.*
- b) *NAFAShield 99 alternatively offers protection which is BETTER EFFICIENCY than N95. NAFAShield 99 is rated at FFP3 (under European Standard) with efficiency HIGHER than N95 or almost slightly more or equivalent to N99 rating. Refer to NAFAShield Catalogue for the tabulation on filtration efficiency rating comparison.*
- c) *Further to this, the FFP3 rating INCLUDES that it is tested and certified for REUSEABILITY and FACE-FITNESS. Both of these tests are NOT TESTED for N95 since N95 is usually 1 time disposable use AND also face fitting test is not included at design or manufacturing level. N95 rating is only done on the filtration material instead of tested onto its finished form, which is why for N95, FIT-TEST is required to be done to each of the users in most regulations.*
- d) *NAFAShield 99 multi times use making it more economical in longer period of protection application whereas using of N95 requires the units to be replenished very much more frequently. This may lead to difficulties especially IF or WHEN the stocks are not readily or easily available such as during emergency situations where demands are high with limited or restricted supply for the products.*
- e) *There could be situations especially during emergencies where stocks of N95 are limited, N95 being repeatedly reused, which is wrong and risky since the filtration material or its finished form is never designed, tested and certified for reuse. It is worst when it is reused without cleaning. If it cannot withstand multiple use, high possibility it may not able to withstand cleaning neither. This is not so in the case of NAFAShield 99.*
- f) *After use, once it is cleaned and no longer need to be immediately used, keep the NAFAShield 99 in a safe and clean pouch. You never know when next you need to use it!! You no longer need to scramble to look for respirator masks during emergency situations!!*
- g) *Where N95 is required to be used due to risk of the exposed or used unit that could cause infections or cross-contaminations that requires it to be properly immediately disposed, use of any reusable type for that matter must be avoided. Recommendations by the specialists for such situation must be strictly adhered to.*

## Cleaning Method Guide ! (CMG !)

# NAFAShield

FOR INDUSTRIAL APPLICATIONS

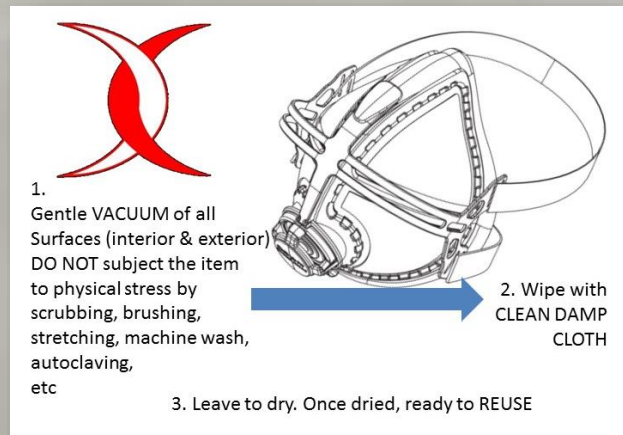


Clean the NAFAShield by;

- i. Firstly use portable vacuum to extract off accumulated particulate substances IF ANY on the filter surfaces. The effect of this action normally will reduce the intensity colourization of the filter, thus giving the indication that accumulated particulates already removed.
- ii. After which, dap the entire internal and external surface of the unit using damp clean cloth.
- iii. Leave to dry.
- iv. Once dried, to keep inside clean pouch, ready for next immediate use.
- v. Using suitable writing device, indicate name to avoid mistakenly used by others.

Irrespective of any of the applications, method of cleaning for NAFAShield 99 **MUST NOT** involve any **SCRUBBING, STRETCHING, BEATING, BRUSHING, WASHING** using ANY TYPE OF WASHING MACHINE, AUTOCLAVE or any method that may physically impairing or causing distortion the unit.

For industrial applications, usually change of colour of the filter white material may appear caused by the accumulation of particles or dusts it is exposed to.



**ITS EASY AND JUST TAKES FEW MINUTES TO CLEAN !**

# NAFAShield

## Cleaning Method Guide ! (CMG !)

# NAFAShield

## FOR HEALTHCARE APPLICATIONS



Clean the NAFAShield by;

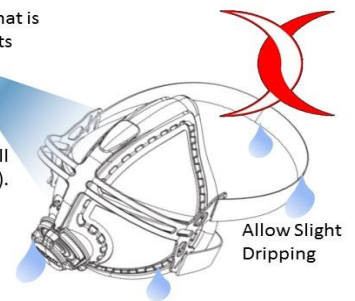
- i. Firstly, using SAFE DISINFECTION solution, EVENLY WET (allowing SLIGHT DRIPPING of the solution) the entire interior and exterior of the unit via spraying method OR by slowly pouring the solution to kill germs it is exposed to. This method is recommended to ensure the disinfectant material fills the voids and goes in between the filter material WITHOUT physically impairing the unit.
- ii. Leave to dry.
- iii. Once dried, to keep inside clean pouch, ready for next immediate use.
- iv. Using suitable writing device, indicate name to avoid mistakenly used by others.
- v. Assign 2 units of NAFAShield 99 to a person. Use 1 unit while the other 1 unit is being dried after cleaning. This is to ensure there is no waiting time and allow proper protection to continue.

### IMPORTANT NOTICE !!

- Irrespective of any of the applications, method of cleaning for NAFAShield 99 **MUST NOT** involve any SCRUBBING, STRETCHING, BEATING, BRUSHING, WASHING using ANY TYPE OF WASHING MACHINE, AUTOCLAVE or any method that may physically impairing or causing distortion the unit.
- For healthcare applications, usually change of colour of the filter white material may appear caused by staining from foreign materials it is in contact with at the healthcare environment.
- Dipping or immersing it in a canister containing the disinfectant solution is not preferred as it will use quite a large quantity of the disinfectant solution. Furthermore the second time or next unit to disinfect, the disinfectant solution is considered reused solution and no longer fresh if it matters.
- Use SAFE – HARMLESS DISINFECTANT to disinfect the unit. Choose the solution that once dried, any remaining molecules after drying is harmless to human IF inhaled. Your disinfectant specialists may be able to recommend such product for your use for this application.

Spray SAFE DISINFECTANT that is HARMLESS if dried remnants molecules are inhaled

1. SPRAY for good wetting of all surfaces (interior & exterior). DO NOT subject the item to physical stress by scrubbing, brushing, stretching, machine wash, autoclaving, etc



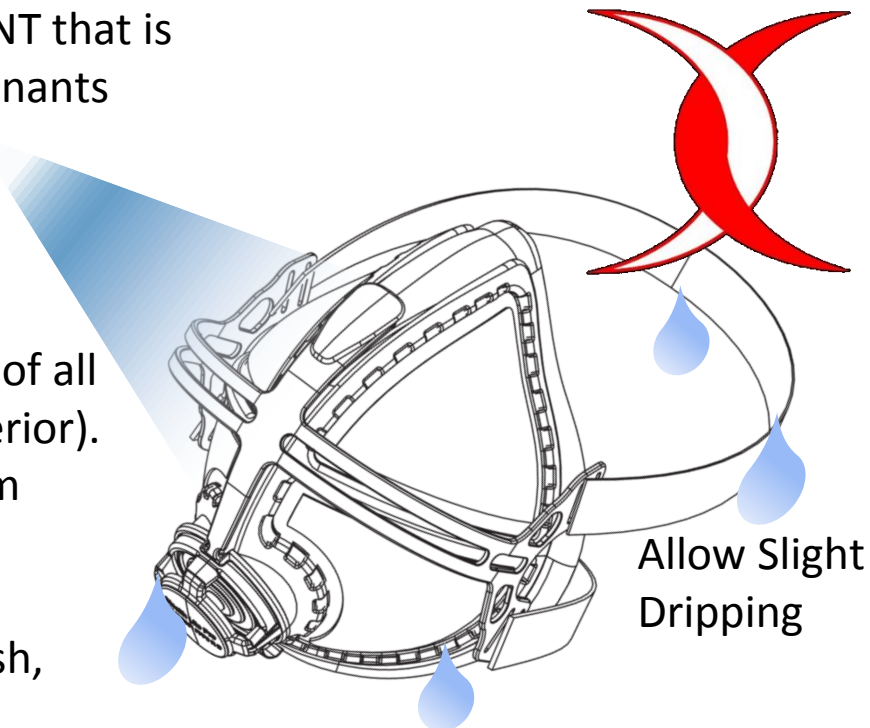
2. Leave to dry. Once dried, ready to REUSE

**ITS EASY AND JUST TAKES FEW MINUTES TO CLEAN !**

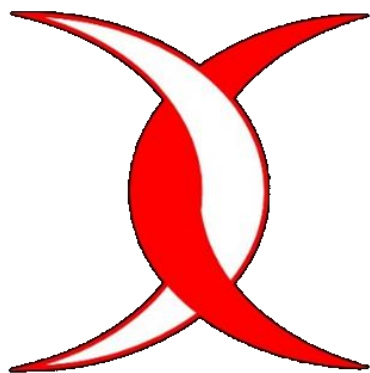
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Spray SAFE DISINFECTANT that is HARMLESS if dried remnants molecules are inhaled

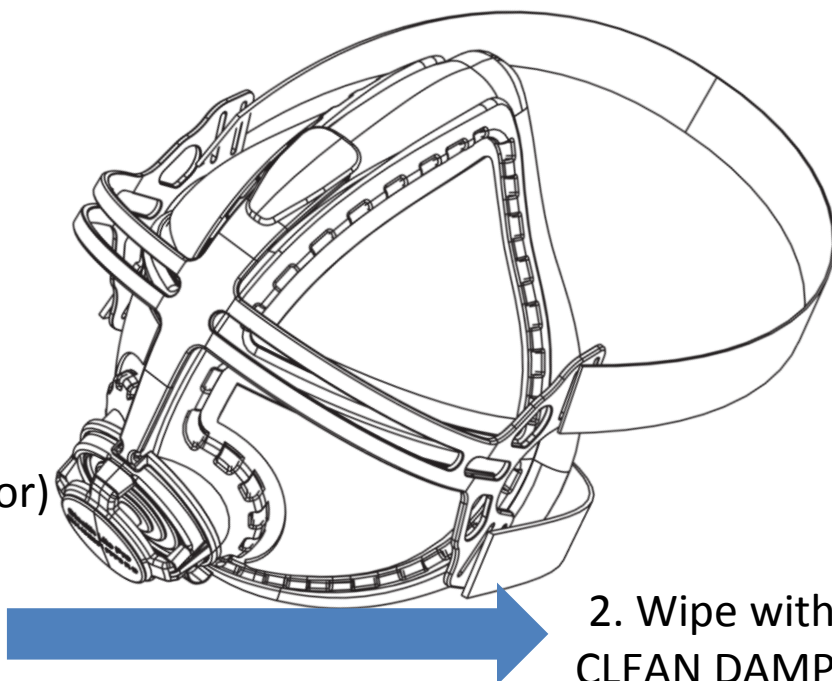
1. SPRAY for good wetting of all surfaces (interior & exterior). DO NOT subject the item to physical stress by scrubbing, brushing, stretching, machine wash, autoclaving, etc



2. Leave to dry. Once dried, ready to REUSE



1. Gentle VACUUM of all Surfaces (interior & exterior) DO NOT subject the item to physical stress by scrubbing, brushing, stretching, machine wash, autoclaving, etc



3. Leave to dry. Once dried, ready to REUSE