



# SMOKING MODEL

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# SMOKING MODEL

## > I. DESCRIPTION OF THE SMOKING MODEL

Smoking cigarettes can cause damage to most of our organs and several diseases, including cardiovascular, lung cancer, and respiratory diseases. In general, smoking decreases the health of smokers.

Smoking is one of the leading preventable causes of death worldwide, killing several million people each year, from which 15% are the result of non-smokers being exposed to second-hand smoke. Third-hand smoke, when chemical residuals of cigarette smoke adhere on our close environment like walls, carpets, sofas etc. poses a higher risk for infants than adults as they crawl and touch everything, and due to that can swallow the hazardous chemicals.

Therefore, tobacco education is a very important part of health education in high schools as well as for patient education.

The new, absolutely unique, yet cost effective and user-friendly Smoking Model by 3B Scientific features 3 risk types of smoking. It dramatically visualizes the results of active, passive, as well as third-hand smoking.

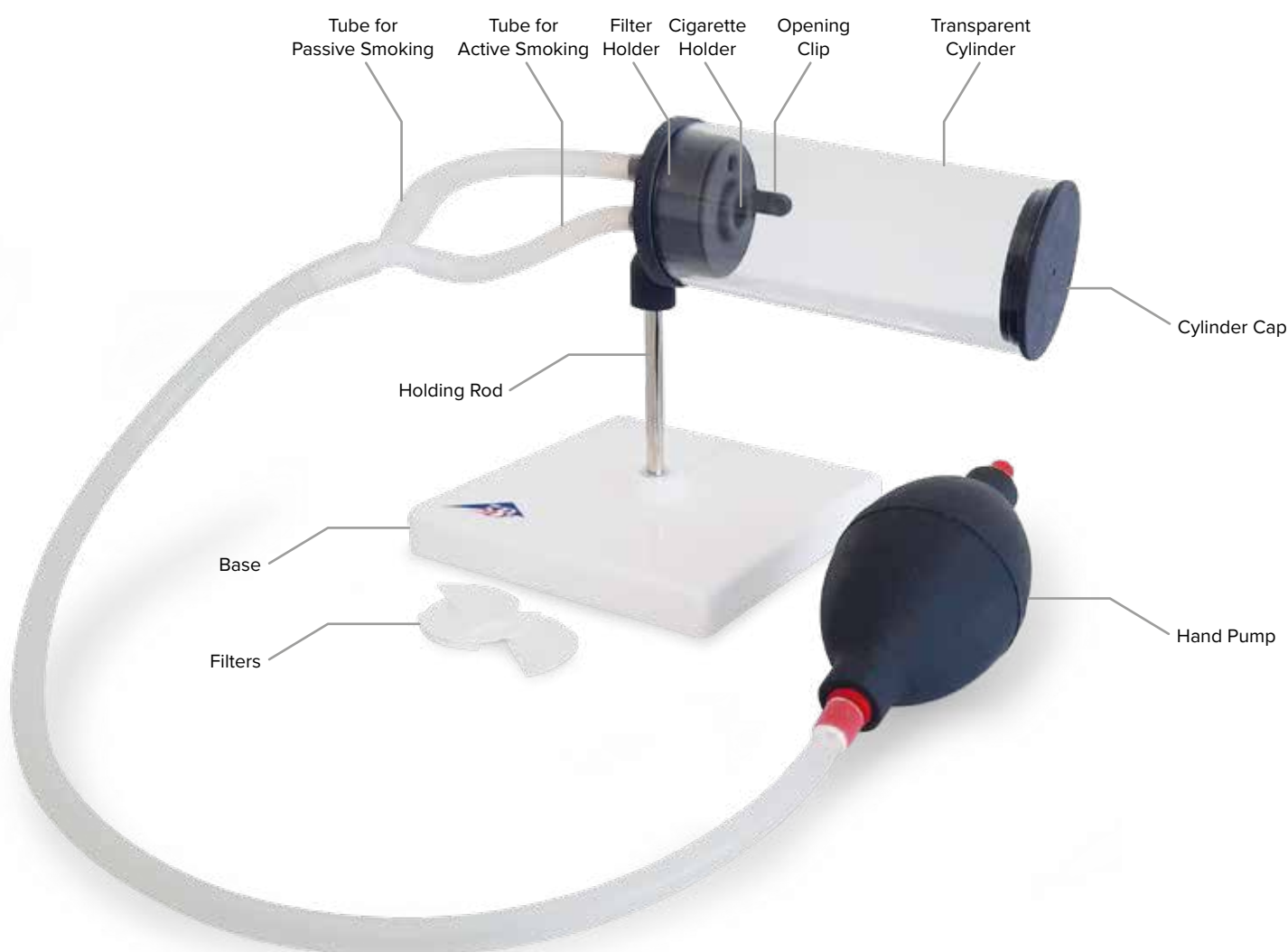
1. Active smoking: the tar accumulating in the lungs when a cigarette is smoked is collected on a half-circular filter
2. Passive smoking: the tar accumulating in the lung of a passive smoker is collected on a second half-circular filter
3. Additionally, the effect of third-hand smoking can be observed on the wall of the transparent cylinder

Effects of third-hand smoking can be observed on the wall of the transparent cylinder. The chemical residue of the tobacco smoke can be collected using a cotton bud.

Please ensure that the device is used in conformance with your local legislation.

### Parts:

Image 1



# SMOKING MODEL

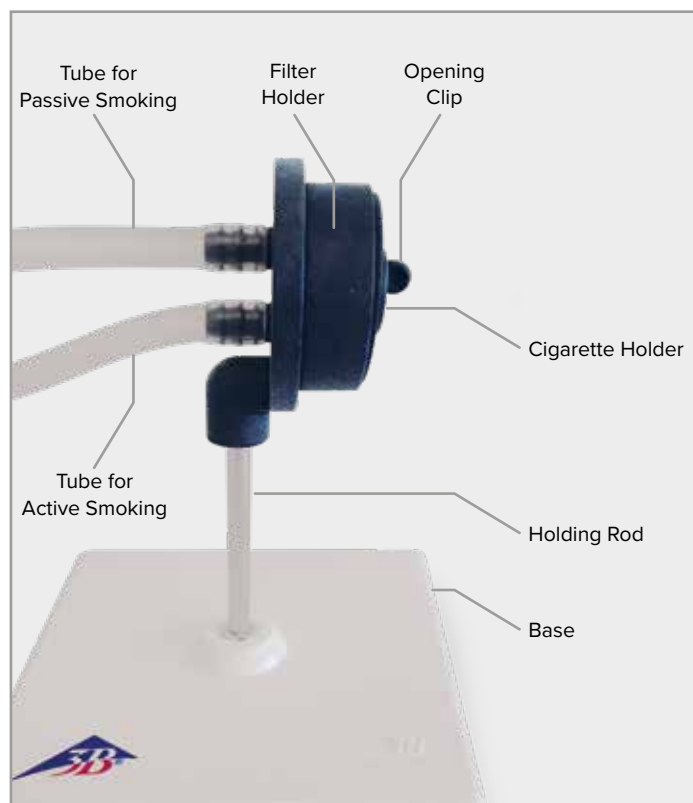


Image 2



Image 3



Image 4



Image 5

# SMOKING MODEL

## > II. ASSEMBLY STEPS

1. Place the half filters into the filter holder with smooth sides up (please see image 3).
2. Place the filter holder onto the holding rod.
3. Place and gently push the cigarette holder into the filter holder by aligning the flat sides at the bottom (please see image 4).
4. Place the cigarette into the cigarette holder (please see image 6).
5. Place the cylinder cap into the transparent cylinder (please see image 5).
6. Light the cigarette, while pumping the hand pump. Once the cigarette is lit, insert the transparent cylinder into the filter holder and turn it very slightly till it tightens.
7. Keep pumping the hand pump till the cigarette burns down.
8. Remove the transparent cylinder and carefully remove the cigarette stub. For safety reasons it is recommended to prepare a glass jar filled with water, where the cigarette stub can be placed after it is removed).
9. Remove the cigarette holder from the filter holder by gently pushing and slightly pulling the opening clips outwards.
10. Remove the filters by forceps and discuss the result of passive (top filter) and active (bottom filter) smoking. The filters can also be examined under microscope.
11. For the results of third hand smoking, use a clean tissue or cotton bud to collect the chemical residue of the tobacco smoke from the inner side of transparent cylinder.

## > III. CLEANING

To remove the nicotine residue from the Transparent Cylinder please use a damp cloth or soft sponge and a little amount of glass ceramic cleaning detergent for ceramic hobs. Then rinse it with clean water and dry with a soft, dry cloth or paper towel.

To clean the black plastic parts of the 3-in-1 Smoking Model, mix 1 litre water with 1 teaspoon of salt and 1 tablespoon of vinegar and soak the black parts in this mixture for overnight.

## > CONTACT INFORMATION



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Image 6