

# NILU Filter Holder System: Aluminium

The NILU filter holder system is designed for sampling of particles and gaseous compounds on impregnated filters in air pollution measurements. It includes an open face version, which can be used with several successive stages of filters. The aluminium version is designed to sample microplastics and other compounds sensitive to polycarbonate.

Filters with different pore size or impregnating agents can be used. The filter holders are made in aluminium to avoid contamination of the samples of micro plastics.

The filter holder system may be connected to the air flow in two ways:

- a: tapered center holes and
- b: bearing with outside threads R 1/4"

The filter holders are designed for filters with 47 mm diameters and the exposed area of 40 mm.

The filter holder comes with protection covers and gaskets in aluminium.



## **One stage open face 9640**

Diameter: 60 mm

Length: 65 mm



One stage open face assembled -  
with 4006674 Open face protection cover

## **Two stage open face 9639**

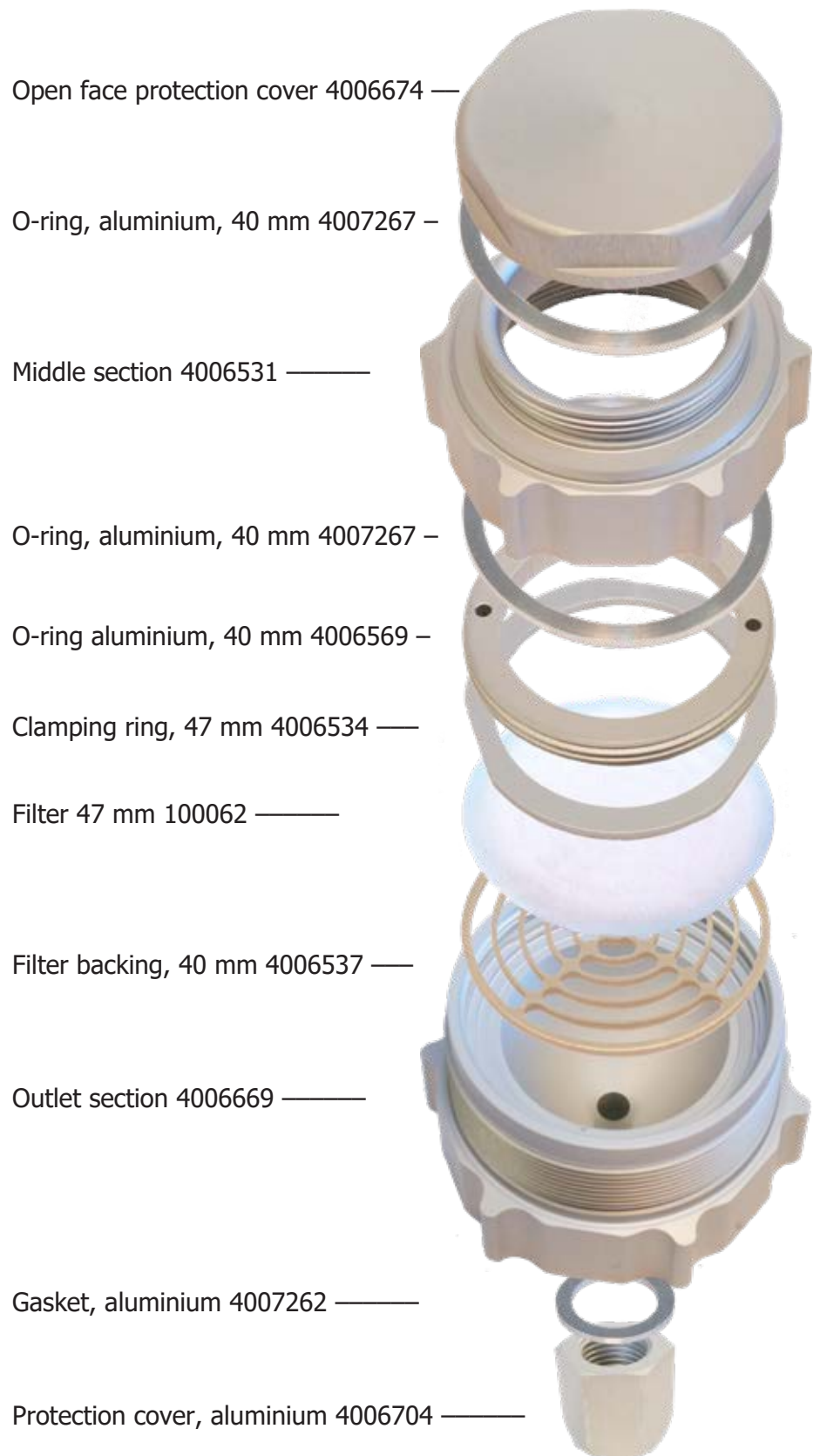
Diameter: 60 mm

Length: 95 mm



Two stage open face assembled -  
with 4006674 Open face protection cover

# One stage open face 9640



# Two stage open face 9639



# Parts



4007267 O-ring,  
aluminium, 40 mm



4006569 Lock ring,  
aluminium, 40 mm



4006704 Protection cover,  
aluminium



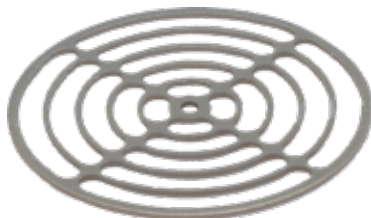
4006531 Middle section,  
aluminium



4006673 Inlet open face,  
aluminium



4006669 Outlet section,  
aluminium



4006537 Filter backing, 40 mm,  
aluminium



4006534 Clamp ring, 47 mm,  
aluminium



4007262 Gasket,  
aluminium



4006674 Open face protection cover,  
aluminium



100062 Filter paper, 47 mm  
(Box containing 100 filters)



9649 Opening tool (400x80 mm)  
(full and detail view)