

UF UMF UMFK OPERATION MANUAL

1. Applications

UF 5 or 40 μ micron filter, UMF 0.01 μ micron Coalescing filter and the UMFK Activated Charcoal filters are designed to remove oil, water, rust and biological particles and odours from compressed air.

WILL NOT REMOVE CO or CO₂ Carbon Monoxide and Carbon Dioxide.

2. Before Using

- Please make check that working conditions and environment are within technical specifications of the equipment such as working pressure, temperature...etc.
- Please make note of media you use and environment of installation.
- Please pressurise whole system slowly to prevent over pressure hammer caused by pressure waves.
- Any modification without permission is forbidden.

3. Installation

- Please make sure the air supply is shut off before installation and maintenance (such as replacing filter element.).
- Please note the mark of arrow “>” on the blue plate of filter for air supply direction from inlet to outlet when installation.
- In order to replace filter element easily, the filter needs to be at least 10cm away from the top of the filter bowl when it is installed.
- Please install filter horizontally within $\pm 5^\circ$ tolerance by mounting bracket or metal pipe.

4. Operation

Turn on air supply slowly air will enter the filter and be cleaned by filter automatically. The water, dust and other residue in the air will accumulate in filter bowl and discharged by following drains:

- Semi-auto drain(standard): Water will drain automatically when air pressure in filter bowl drops below 0.5 Bar or push up the nozzle on semi-auto drain anytime to discharge water.
- Manual drain(Option): Manually pull down the ring on manual drain to remove water in filter bowl anytime.
- Automatic drain (Option for UF series only): Filter will automatically drain when full by using internal float system.

5. Maintenance

- Please be aware to replace filter element in time by following steps:
 - Shut off and drain air supply.
 - Turn filter bowl clockwise to remove the bowl.
 - Loosen the element holder (for UF series) or the element itself (for UMF series) to take off dirty filter element and then then replace with new clean element. Avoid touching GREEN or RED parts of the UMF filter element with any dirty tools and hands.
 - Reinstall all parts.
 - Please follow point 4 to operate the filter again.
- Please make note of dust prevention, please plug a rubber cap into outlet port and inlet port of filter when it is taken apart from the system.
- Please clean the filter by following cleaner:
 - clean water or soap water (Maximum temperature:+60 $^\circ$ C).