

## Plastic-Filter housing - Instruction Manual

The plastic filter housing with filter insert is used for filtering of different media. He may be used for cleaning of fluids as well as for cleaning of gas,

Typical examples for use of plastic filter housings are:

- High purity filtration of fluids in regard of photochemical processes
- Protection of pneumatic control of analysis and measuring devices
- Use of pre-switch filter before pumps or motors
- Filtration of dishwater in or at venting machines
- Pre filter for reverse osmosis devices
- Salt water conditioning
- Heating oil filters
- Filters for medical and dental fields

The plastic filter housing in its delivery condition is not sterile!

The plastic filter housing is not suitable as front door filter as per DVGW!

### **Assembly / Disassembly**

As the connection of the plastic filter housing is by means of a plastic thread, please pay attention, that the assembly of the connection is suited for plastic.

When assembling the plastic filter housing pay attention that the connections are made correctly and the filter bowl is firmly screwed.

Assembly recommendation: use stop valves before and after the plastic filter housing as additional protection for damage. In case of use stop valves, open these slowly as a possible pressure impulse could cause damages.

### **Differential Pressure Load**

The filter element resists to a maximum differential pressure load of 0,7 bar. In care of a higher differential pressure the filter insert may be damaged and the filter efficiency can be impacted. Therefore we recommend the surveillance of the differential pressure by means of a suitable measuring device and if necessary the use of a pressure reducer.

### **Temperature Influences**

The plastic filter may only operate at media temperatures between 5 °C and 52 °C. Pay attention in the fact that the filter should not be exposed to direct sunlight.

## **Exchanging / cleaning of the Filter Insert**

Pay attention that the circuit concerned is not pressurized.

### **Plastic filter insert**

The exchange of the filter insert has to be carried out depending on the accumulated dirt, but has to be exchanged after 6 months latest.

When using a filter with filter bowl made of clear nylon a discolouring of the filter insert can be seen from outside. Possible criteria for an exchange of the insert is a brownish discolouring.

Measuring criteria for staining of the insert is the differential pressure. In case of a differential pressure of 0,6 bar the insert has to be exchanged!

### **Stainless Steel filter Insert**

The stainless steel filter insert can be used repeatedly. When stained it can be cleaned with commercial detergents.

Measuring criteria for staining of the insert is the differential pressure. In case of a differential pressure of 0,6 bar the insert has to be exchanged!

### **Cleaning of the Plastic filter housing**

The filter housing can be cleaned with lukewarm water. A commercial washing-up liquid can be added

**Never use a dishwasher for cleaning the plastic filter housing!!**

**The gasket of the plastic filter housing should be exchange at each change of the filter insert.**

For further questions do not hesitate to contact us:

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