

ACTIVATED CARBON FILTER

Dear Customer,

Thank you for your confidence in our product.

In the following pages you will find the technical data required for the trouble-free installation and maintenance of these pneumatic components. Please read the instructions fully to ensure that the product will give you long, trouble-free service.

Warning: Servicing and repair work must only be carried out by a qualified technician.




1. TECHNICAL DATA

<i>Characteristics</i>			Pressures quoted as gauge pressure		
Port size			G1/8	G1/4	G3/8
Installation			Vertical (Bowl downwards)		
Medium and ambient temperature range	ϑ_{\min} ϑ_{\max}	$^{\circ}\text{C}$ $^{\circ}\text{C}$	+1,5 +50 at 10 bar	(other temperatures on request)	
Weight (mass)		kg	0,3		
<i>Pneumatic Characteristics</i>					
Operating pressure range	$p_{1\min}$	bar	0		
Inlet	$p_{1\max}$		16		
Maximum flow rate ①	Q_n	l/min m ³ /h	200 12	200 12	200 12
Pressure drop at maximum flow rate	Δp	bar	ca. 0,07		
Oil vapour filtration efficiency	η	%	99,999%, Residual oil content 0,003 ppm		

① at 6 bar


2. INSTALLATION INSTRUCTIONS

Warning: This unit must only be used in industrial applications for compressed air, but can also be used in medical applications.

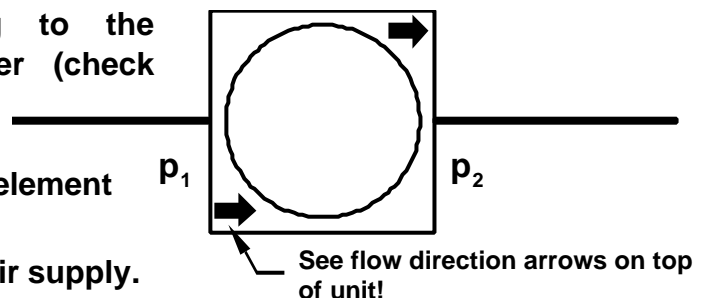


NOTE! The housing and activated carbon filter are not sterilized (not suitable for steam sterilization)!
To avoid danger of injuries, the compressed air system must be fully depressurized while pneumatic components are being installed.

Note: A submicrofilter must always be installed before the activated carbon filter (as close as possible).
The bowl must not come into contact with the following materials (whether in liquid or gaseous form):
acetone, benzene, brake fluid, chloroform, acetic acid, glycerine, methanol, carbon bisulphide, tri-, tetra- and per-compounds, toluene, xylene (cellulose thinners) and high flash-point synthetic oils (e.g. phosphoric ester base, etc.). If in doubt, please consult your sales contact.



1. Clean out the tubing carefully.
2. Fit a mounting bracket, if applicable.
3. Connect the tubing to the activated carbon filter (check flow direction \Rightarrow the wrong flow direction will damage the filter element irreparably!).
4. Turn on compressed air supply.



3. MAINTENANCE

3.1. Cleaning the Filter Element

As soon as serious pressure drop is observed, replace the filter element. The filter element cannot be washed out, it must be replaced.
The bowl and the other plastic parts should only be cleaned with warm water and normal washing-up liquid.

4. DISMANTLING

Warning: To avoid danger of injuries, the unit must only be dismantled with the pneumatic system completely depressurized.

1. Screw off the bowl ⑤.
2. Screw the filter insert ③ out of the housing ①.
3. Remove the O-ring $\varnothing 15 \times 2$ ② from the filter insert ③.
4. Remove the O-ring $\varnothing 35 \times 2$ ④ from the housing ①.

5. REASSEMBLY

Reassembly of the unit is carried out in reverse order:

1. Place the O-ring $\varnothing 35 \times 2$ ④ in the housing ①.
2. Fit the O-ring $\varnothing 15 \times 2$ ② on to the filter insert ③.
3. Screw the filter insert ③ into the housing ①.
4. Screw the bowl ⑤ into the housing ① hand-tight.

6. FITTING AND REMOVING THE BOWL GUARD

Fitting:

Locate the lugs of the guard in the recess in the housing and lock it by turning it to the right.

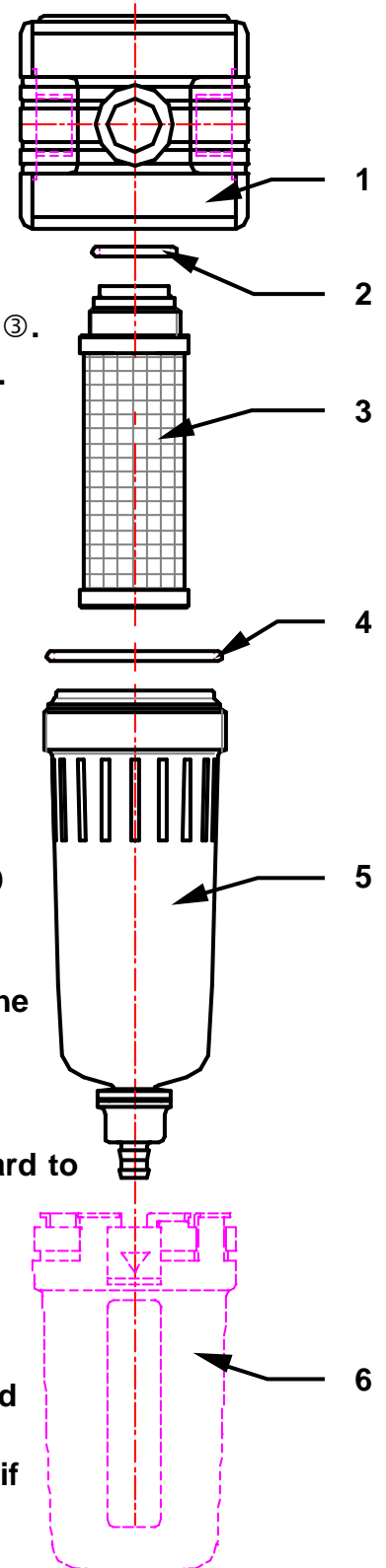
Removal:

Press the release catch (see arrow) and turn the guard to the left.

7. DISPOSAL

The method of disposal of packaging and discarded parts must comply with local regulations.

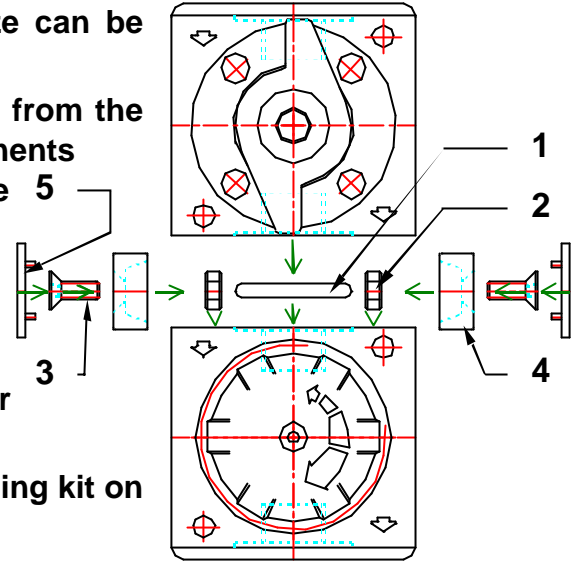
We will undertake the disposal of used filter elements if they are returned to us.



8. ASSEMBLY OF SEVERAL COMPONENTS

Only components of the same size can be assembled into combined units.

1. Remove the black cover plates from the inlets and outlets of the components you wish to assemble. The coloured cover plates remain in place.
2. Turn the component so that the flange surface which is to be joined to the other component is on top.
3. Lay the O-ring ① from the coupling kit on the flange surface.
4. Place the hexagon nuts ② in the recesses on the component.
5. Place the other component on the flange surface.
6. Place the clamping cones ④ with the screws ③ in the recesses on the components.
7. Tighten the clamping screws.
8. Push the small cover plates ⑤ from the coupling kit on to the clamping cones.



9. FITTING THE MOUNTING BRACKET

1. Remove the coloured cover plate from the component.
2. Screw the mounting bracket to the component with the screws provided using a Phillips screwdriver.

Note: The mounting bracket can be fitted with the mounting strap either upwards or downwards.

