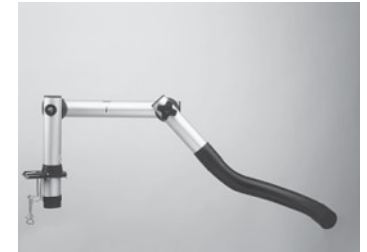




# EXTRACTION ARMS

FOR BETTER WORKBENCH ENVIRONMENT



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## 9. Warranty

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General conditions according to ORGALIME S 2000.

Filtronic AB guarantees the product for manufacturing failures for a time period of two (2) years on filter units and accessories, consumptions not enclosed. The time is measured from date of invoice.

Only use genuine Filtronic AB consumables and spare parts in order to ensure reliable function and to maintain the unit's warranty. Repairs must be performed by personnel trained by Filtronic AB.

The information given is not binding and does not free the user from his or her responsibility to check the equipment before using it.

Filtronic AB reserves the right to introduce technical changes in the course of product development.

Always contact the supplier before return a product.  
The invoice has to be shown at the time of the complaint.

## 7. Article number

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Extraction arm 3046	599E0-0000-0F07
Extraction arm 3446 with valve	599EW-0000-0F07
Extraction arm 3015	5A3B0-0000-AF07
Extraction arm 3415 with valve	5A3BW-0000-AF07
Extraction arm 3007	5A3B0-A500-AF05
Extraction arm 3407 with valve	5A3BW-A500-AF05
Extraction arm 3013	5A3B0-H500-A200-P
Extraction arm 3413 with valve	5A3BW-H500-A200-P
Extraction arm 3035	50000-0000-0F15-ALFA
Extraction arm 4000	3A3B0-0000-AF07
Extraction arm 4400 with valve	3A3BW-0000-AF07
Extraction arm 4002	30000-0000-0F15

## Accessories & spare parts

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Black nozzle, ESD	ALFA
Transparent nozzle, antistatic	ALFA-T
Metal nozzle, ESD	N
Metal nozzle with grid, ESD	NS
Black nozzle, ESD	U
Suction hood with transparent top, ESD	700-3033-ESD
Adapter, ESD, for extraction arms without flexible hose part	Z
Valve part with quick-connection	W-SPECIAL
Extra long clamps for a table top max. 95 mm thick	700-3030-ESD
Net for nozzles, incl. spring blade	700-3056

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### 1. Introduction

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Extraction arm for connection to mobile filtersystems, e.g. MG- and BT-series, or the central ventilation of the building. Flow area 30-100 m<sup>3</sup>/h.

### 2. Safety instruction

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Extraction arms with joints are balanced by turn springs. Notice that the joint need to be adjusted carefully to avoid that the arm hits backwards. If the extraction arm is supposed to be dismantled, make sure that the spring in the extraction arm joint not are compressed.

Avoid to expose the extraction arm from softening agents from plastics as this deteriorate the strength of the extraction arm.

### 3. Installation

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To receive maximum effect of the equipment it is important to place the nozzle as close to the source as possible and in such way that smoke and gases easily can be captured.

**NOTE!** Extraction arms with joints are equipped with turn springs to be kept stretched despite its weight. When mounting the arm it is very important that the arm is unfolded in the right direction, so a tension is created in the joint. Check this by loosen the adjustment wheel at the joint when the arm is in its longest position. The outer joint will then automatically yield upwards.

After assembling the arm, adjust the joints into the right angle. If needed, adjust the sluggishness in the joint with the wheel intended so the arm can be moved easily without getting unstable. If foot bracket is used, the sluggishness in the rotating movement can be adjusted with its three screws.

The extraction arm shall be mounted steadily with enclosed brackets. If this is a table bracket, thread the clamps through the rectangular holes in the holding sheet and fasten them at the table edge.

Special arm with table bracket will be mounted with a foot ring in a hole with smallest diameter 66 mm. It is very important that the slide ring is mounted between the joint surface and the stop flange on the foot hose.

On all brackets, except the ball joint bracket, the foot can be adjusted in height by dismantling the bracket and move the stop flange up- or downwards. If the extraction arm has a valve the adjustment is limited.

If the extraction arm is supplied with a flexible hose, mount it at the extraction arm by squeezing the quick-connections together. When dismantling, break the coupling sideways.

**NOTE! An O-ring is mounted at the quick-connection. This will create a friction between the different parts and keep the hose in position. The O-ring can drop off when unpacking.**

The flexible hose can be adjusted in diameter by screwing in one end when the other end is fixed. A bigger diameter gives a softer hose and a smaller diameter gives a hose which demands more power to be bent.

The original diameter of the hose can be adjusted +/-10 %. At bigger changes in diameter the hose might be deformed and the hose can be broken.

The extraction arms 3035 och 4002, which only are based on a flexible hose, are mounted directly at the filter unit with a quick-connection.

Equip the extraction arm with a nozzle or hood for optimal capturing. For range, see [www.filtronic.se](http://www.filtronic.se).

## 4. Troubleshooting

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If the extraction in the arm is poor, check the extraction source and fault-trace the extraction arm from the inlet and into the extraction arm.

## 5. Maintenance and service

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The extraction arm should be cleaned regularly to keep the ability of extraction. At heavy pollution, dismantle the extraction arm and clean the arm parts with alcohol. If the extraction arm is equipped with joints, make sure that the friction part and O-rings not get in contact with the alcohol.

## 6. Technical data

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Diameter arm	60 mm
Diameter arm 4000, 4002	32 mm
Diameter flexible hose	55 mm
Total length	700-3000 mm
Total length arm 3035, 4002	1450 mm
Grip width clamp	22-70 mm (45-90 mm, accessories art.no. 700-3030-ESD)
Grip width ball joint	2-50 mm
Area of temperature	-5 - +60°C

