

SECURITON © Copyright by Securiton	Filter-box large (FBL 25PC)	TD 004 031	1 / 5			
Filter-box large d=25 as an accessory for aspirating smoke detectors Data Sheet		Date	Ind.	Mod. No.	Abbreviation	released
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1. Field of application

The Filter-box large is used as an accessory part for aspirating smoke detector SecuriRAS® in areas with normal temperature conditions (above 0°C) and high dust levels to prevent false alarms and to increase the lifespan of the smoke sensors substantially.

The filter insert is designed for the separation of particles and impurities >15µm. Due to their particle size, smoke particles can pass through this filter unhindered and thus ensure rapid fire detection.

2. Construction

The Filter-box large is part of the suction pipe. The housing is made of polycarbonate, light grey paint (RAL 7035). The filter box can be opened using the 4 cover screws to exchange the filter mat block fine stage during service work.

3. Function

The air polluted with dust particles is of course also aspirated by the aspirating smoke detector. So that these particles do not cause any false alarms, the aspirated air must be purified of these particles. The filter box, large can be used for this purpose as an additional accessory component.

This is to be arranged directly in front of the evaluation unit in the suction pipe (see project planning notice). The aspirated air is conducted across the filter mat block which captures the dust particles. The filter mat block fine stage just needs to be exchanged during maintenance work and servicing.

Advantages of the Filter-box large

- Prevention or substantial reduction of false alarms
 - Lengthening of lifespan of smoke sensors
 - very low installation costs
 - subsequent installation possible at any time
 - low operating costs
 - applicable for all aspirating smoke detectors
 - quick, clean and inexpensive solution
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4. Assembly and commissioning

The Filter-box large must always be installed below the aspirating smoke detector to exclude false alarms due to falling dust particles. Assembly and arrangement should be carried out in accordance with the project planning notice.

5. Maintenance and servicing

Country-specific guidelines and standards apply for maintenance work and servicing. The maintenance and servicing of the control and indicating equipment may only be carried out by trained personnel!

Furthermore, the Technical Documentation of the respective aspirating smoke detector must be considered.

When carrying out maintenance work on the aspirating smoke detector, only the filter mat block needs to be exchanged in the filter box. Contamination inside the filter box should be removed.

6. Part numbers

Abbreviated designation	Type No. SECURITON
Aspirating smoke detector SecuriRAS® ASD 535-1	5000623-0101
Aspirating smoke detector SecuriRAS® ASD 535-2	5000623-0102
Aspirating smoke detector SecuriRAS® ASD 535-3	5000623-0103
Aspirating smoke detector SecuriRAS® ASD 535-4	5000623-0104
Smoke sensor SSD 535-1	5000613-0101
Smoke sensor SSD 535-2	5000613-0102
Smoke sensor SSD 535-3	5000613-0103
Manual ball valve PVC	MV 25 PVC 21.544.20D25
Manual ball valve ABS	MV 25 ABS 0.100862
Dust collector (cyclone principle) d=25	DRB 25 PVC 0.101166
Water Retaining Box standard - ABS	WRB 25 ABS (ABS version) 50-0500057-01-01
Water Retaining Box standard - PVC	WRB 25 ABS (PVC version) 0.100908
Spare filter mat block fine stage	0.101132
Filter-box large	FLB 25 PC 0.100793

7. Technical data

Features		
Environmental conditions		
Expanded environmental conditions:		
• Temperature range	0 to +50	°C
Introduction	2x screw connections M32	mm
Housing material	Polycarbonate (PC)	
Housing colour	Light grey 7035	RAL
Dimensions (H x W x D)	120 x 122 x 85	mm
Weight	max. 400	g
Approval		
VdS	G 208154	
Building product approval	0768-CPD-20600	

Subject to technical modification!

8. Project planning notice

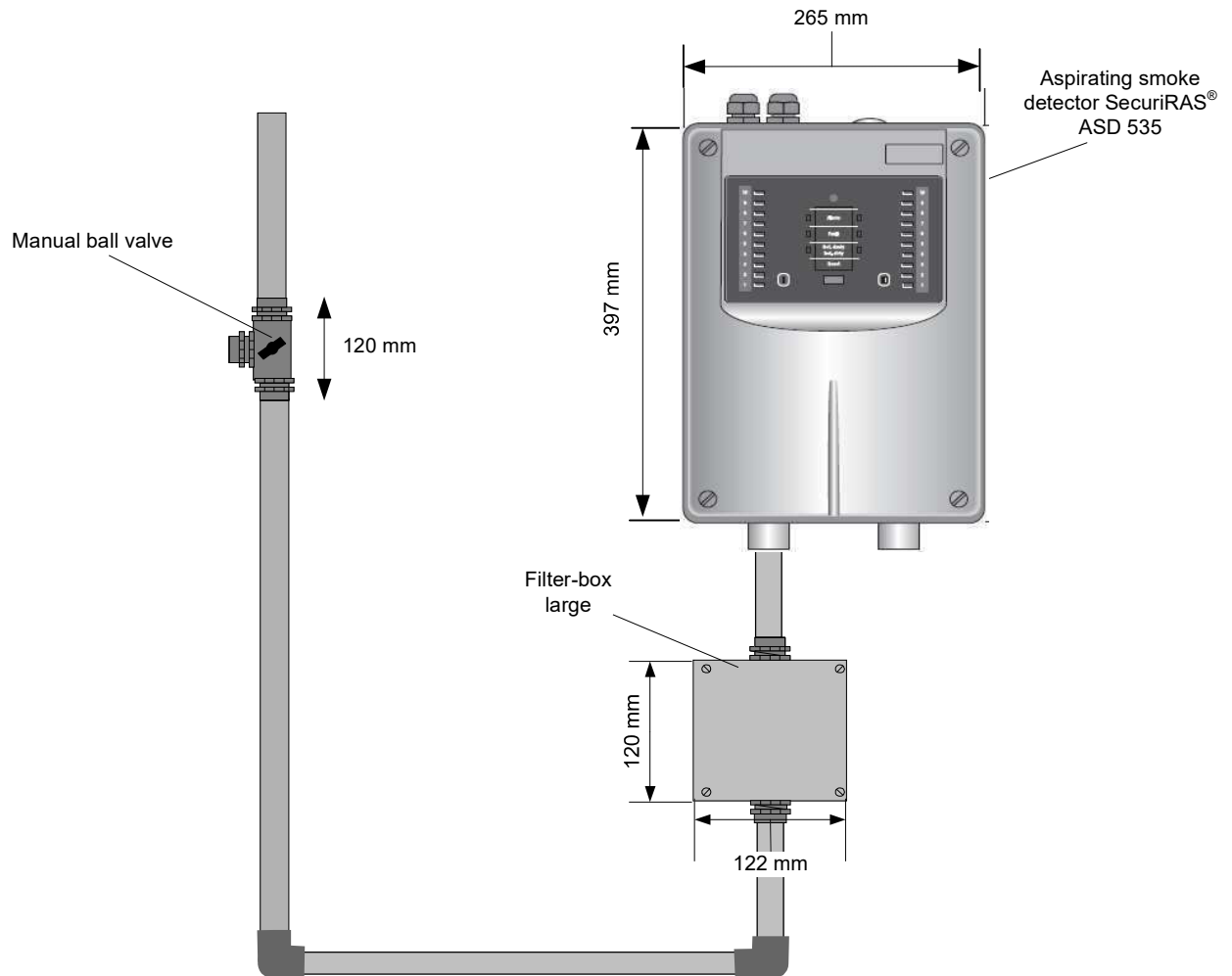


Fig. 1: Standard installation