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alsident® system
A cleaner working environment

System 50 - Antistatic (AS)

Extraction arms

Hoods

Brackets

Other accessories

Extraction arms - table mounting

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System 50 - Antistatic (AS)

All components RoHS-compatible.

Design:

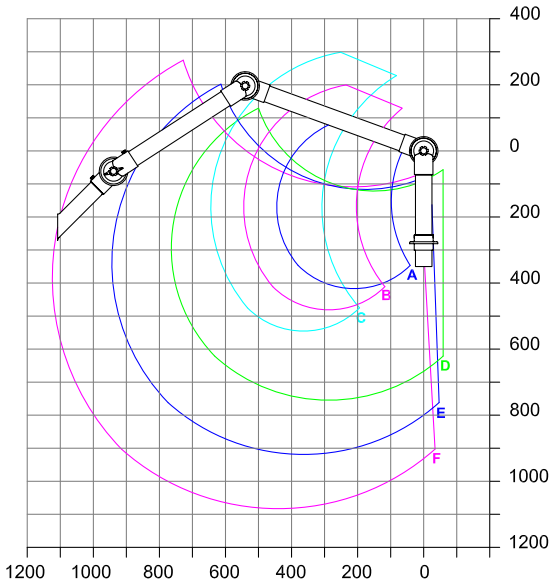
- Extraction arm for mounting on table
- Working range 445 - 1125 mm
- Recommended airflow 45 to 85 m^3/h
- Diameter of tube: Ø50 mm
- Tubes made of chromated TCP Aluminium to assure permanent conductivity
- Joints made of conductive, shatterproof and chemical resistant polypropylene (PP)
- All O-rings maintenance free and conductive
- Integrated valve. When in an open position out of the flow path to maintain the maximum amount of flow
- All threaded stays, springs and thumbscrews made of acid-proof stainless steel (AISI 316L)
- All hoods can be provided with a protective netting (accessory) to reduce the risk of extracting foreign objects
- Approved for ESD-areas according to IEC 61340-5-1:2016
- The extraction arms are equipped with an earth wire with a resistance of 1MΩ
- Dismantling of the arm without tools for cleaning

Links: Pressure drop chart, Mounting, User's manual, Capture efficiency, Test reports

Working area

We do not recommend a stationary working position in the upper or lower working area.

All units in mm



A: Model 50-27-1-6
B: Model 50-37-1-6
C: Model 50-47-1-6
D: Model 50-3727-1-6
E: Model 50-4737-1-6
F: Model 50-5747-1-6

Accessory: Extractor Tube no. 1-5021-6

System 50 - Antistatic (AS)

All components RoHS-compatible.

Design:

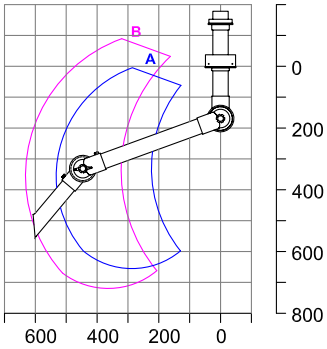
- Extraction arm for mounting on wall or ceiling
- Working range 530 - 1380 mm
- Recommended airflow 45 to 85 m^3/h
- Diameter of tube: Ø50 mm
- Tubes made of chromated TCP Aluminium to assure permanent conductivity
- Joints made of conductive, shatterproof and chemical resistant polypropylene (PP)
- All O-rings maintenance free and conductive
- Integrated valve. When in an open position out of the flow path to maintain the maximum amount of flow
- All threaded stays, springs and thumbscrews made of acid-proof stainless steel (AISI 316L)
- All hoods can be provided with a protective netting to reduce the risk of extracting foreign objects
- Approved for ESD-areas according to IEC 61340-5-1:2016
- The extraction arms are equipped with an earth wire with a resistance of 1MΩ
- Dismantling of the arm without tools for cleaning

Links: Pressure drop chart, Mounting, User's manual, Capture efficiency, Test reports

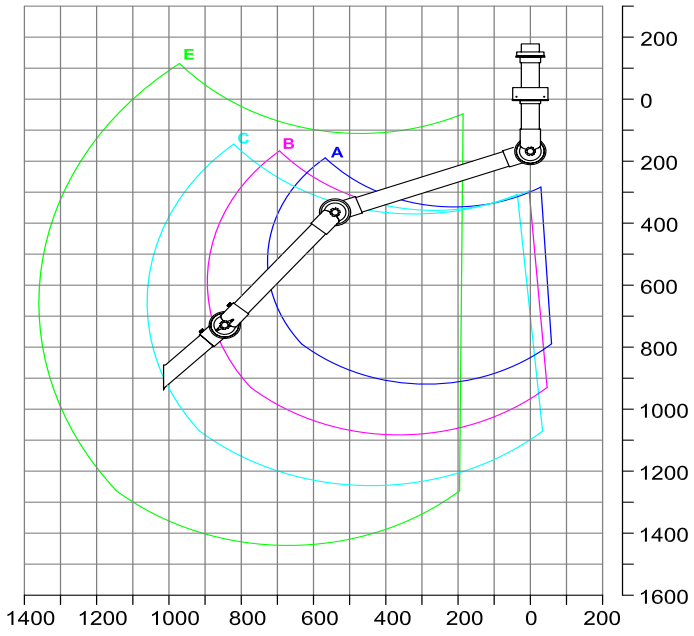
Working area

We do not recommend a stationary working position in the upper or lower working area.

All units in mm



A: Model 50-37-3-6
B: Model 50-47-3-6



C: Model 50-3727-3-6
D: Model 50-4737-3-6
E: Model 50-5747-3-6
F: Model 50-8747-3-6

Suction pen 1-5021-6

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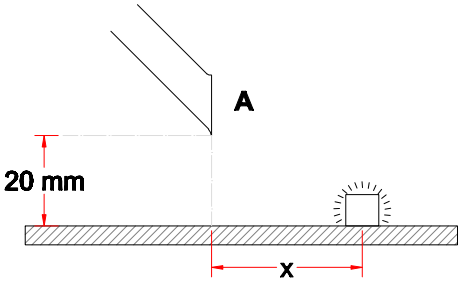
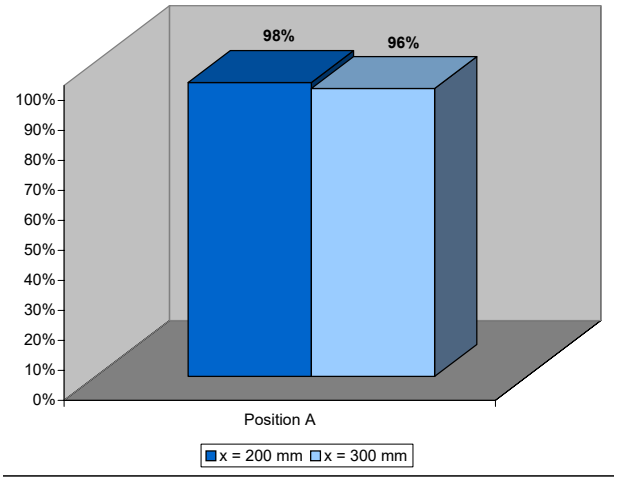
System 50 - Antistatic (AS)

- Suction pen recommended for concentrated sources of pollution
- High efficiency as the suction pen gets close to the source without obstructing the work process
- Tube made of chromated TCP Aluminium to assure permanent conductivity
- Funnel of the suction pen in order to increase the capture efficiency
- Length: 210 mm

Capture efficiency





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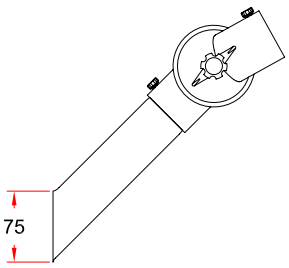

Suction pen 1-5031-6

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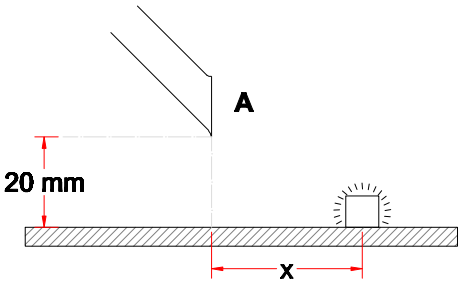
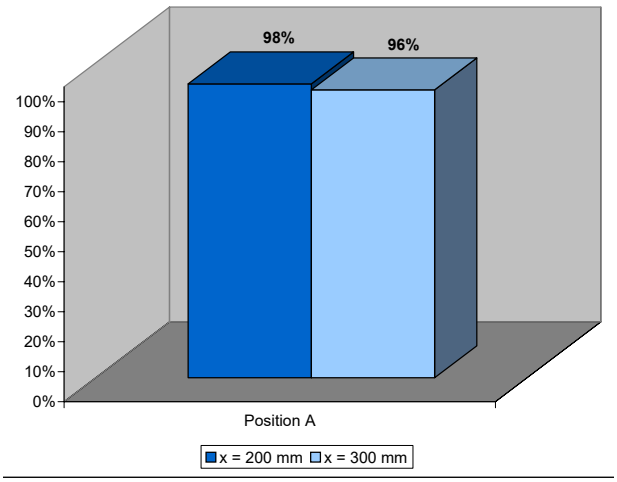
System 50 - Antistatic (AS)

- Suction pen recommended for concentrated sources of pollution
- High efficiency as the suction pen gets close to the source without obstructing the work process
- Tube made of chromated TCP Aluminium to assure permanent conductivity
- Funnel of the suction pen in order to increase the capture efficiency
- Length: 310 mm

Capture efficiency





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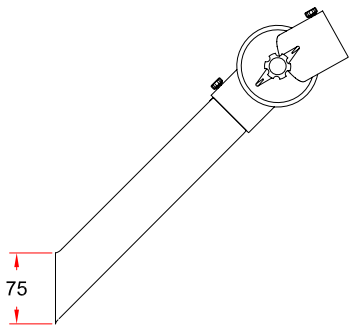

Suction nozzle 1-5010-6

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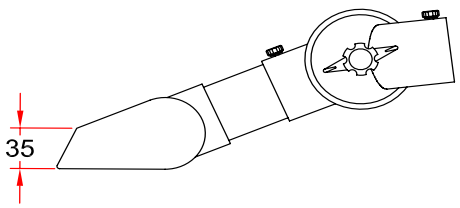
System 50 - Antistatic (AS)

- Suction nozzle recommended for concentrated sources of pollution
- Width: 100 mm
- Tube and nozzle made of chromated TCP Aluminium to assure permanent conductivity and shatterproof, conductive polypropylene (PP)
- Internal distribution tube in order to increase the capture efficiency

Capture efficiency

Measurements for this product are comparable with article no. 1-5020-6

Drawing



Suction nozzle 1-5020-6

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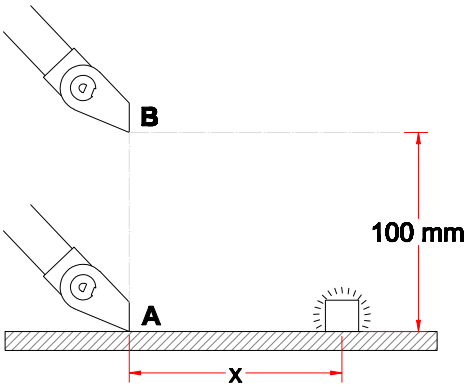
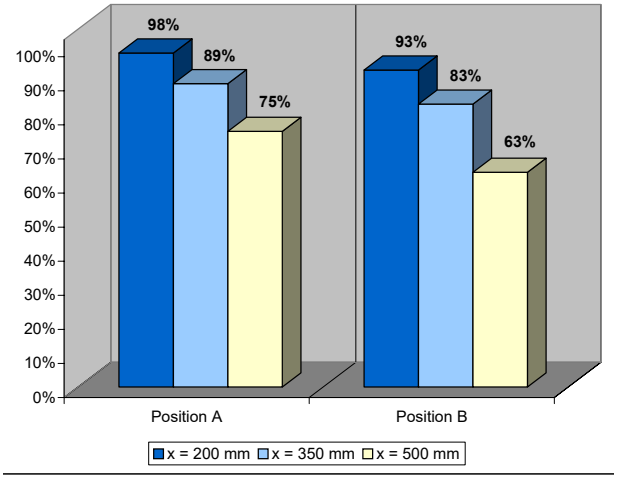
System 50 - Antistatic (AS)

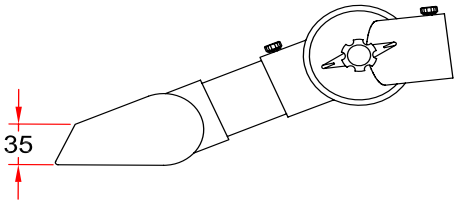
- Suction nozzle recommended for concentrated sources of pollution
- Width: 200 mm
- Tube and nozzle made of chromated TCP Aluminium to assure permanent conductivity and shatterproof, conductive polypropylene (PP)
- Internal distribution tube in order to increase the capture efficiency

Capture efficiency





Drawing



Metal hood 1-5024-6

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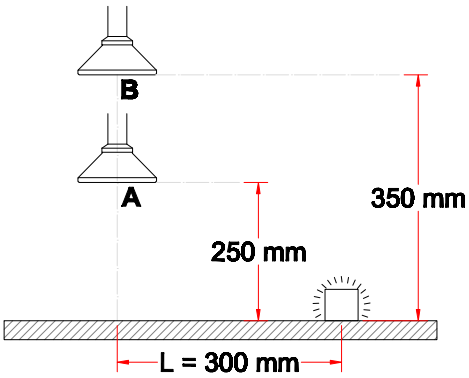
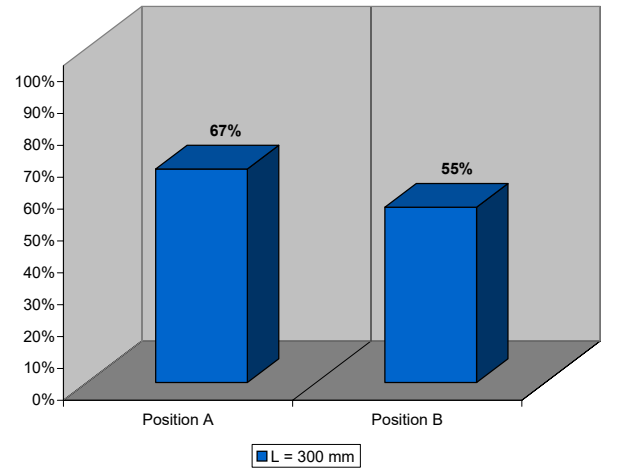
System 50 - Antistatic (AS)

- Metal hood recommended when extracting gases, fumes and light dust concentrations
- Diameter of hood: Ø200 mm
- Hood and connection tube made of chromated TCP Aluminium for permanent conductivity
- Flange of conductive polypropylene (PP)

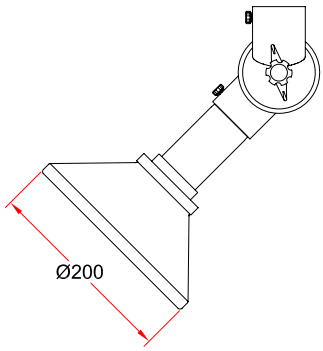
Capture efficiency

The relatively low efficiency indicates, that the illustrated position is not optimal for this hood. For system 100 other measurements have been made for a similar round hood - see article no. 1-10024.





Drawing



Round hood 1-5035-6

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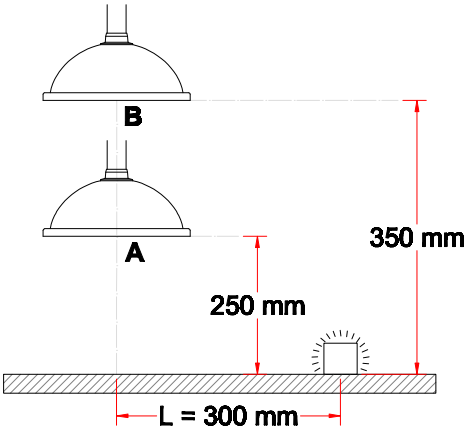
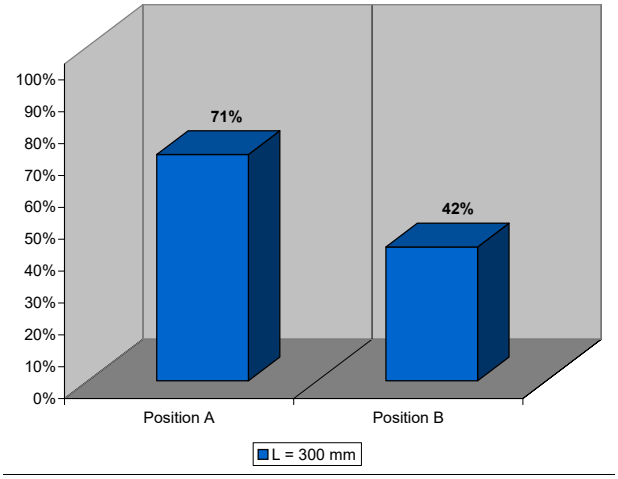
System 50 - Antistatic (AS)

- Round hood recommended for light fumes, gases and small open vessels
- Diameter of hood: Ø385 mm
- Increased stability when moving the hood due to reinforced rim of the hood
- Increased efficiency at an angled position
- Hood and flange made of conductive polypropylene (PP)
- Connection tube made of chromated TCP Aluminium to assure permanent conductivity

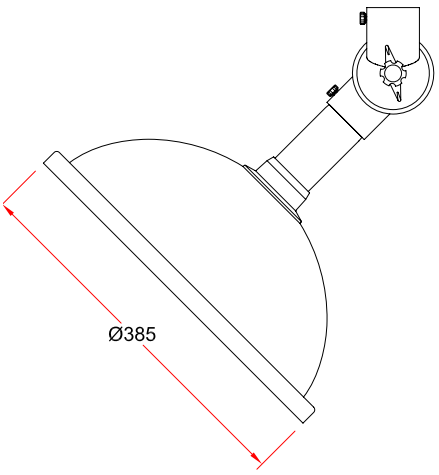
Capture efficiency

The relatively low efficiency indicates, that the illustrated position is not optimal for this hood. For system 100 other measurements have been made for a similar round hood - see article no. 1-10050.





Drawing



Flat hood 1-503324-6

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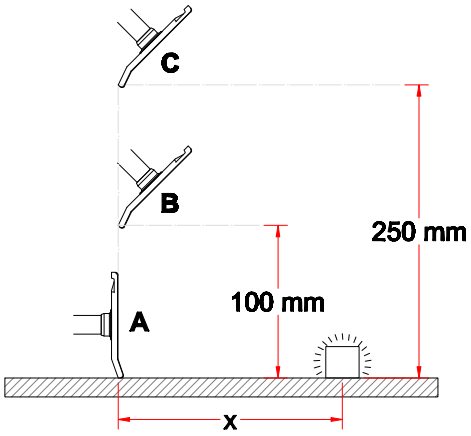
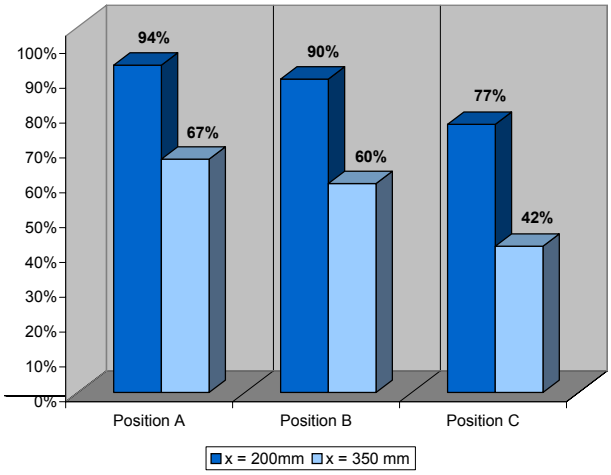
System 50 - Antistatic (AS)

- Flat screen recommended when extracting heavy gases and fumes
- Dimension of the hood: 330×240 mm
- Increased efficiency when placed vertically on a surface
- Hood and flange made of conductive polypropylene (PP)
- Connection tube made of chromated TCP Aluminium to assure permanent conductivity
- Gets close to the source without obstructing the work process

Capture efficiency





Drawing

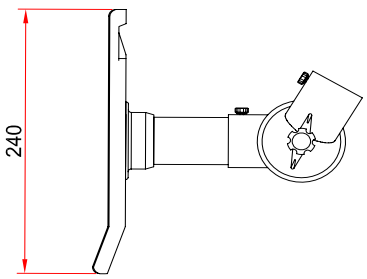


Table bracket 2-5010-050

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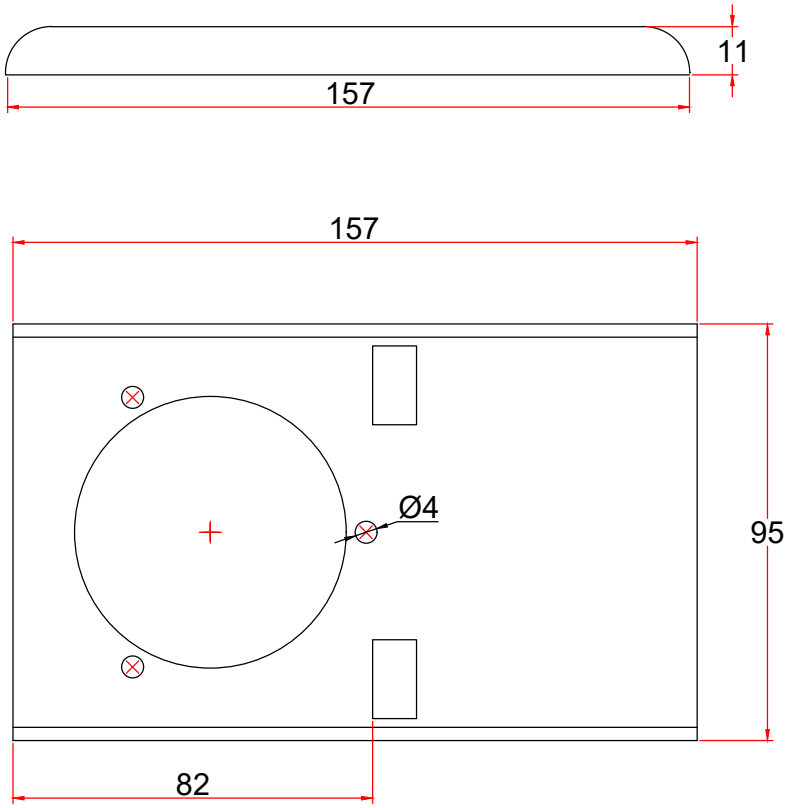
System 50 - Antistatic (AS)

- Table bracket to mount extraction arms for table mounting at the edge of the table
- Easily removable without tools for mobile installations
- Made of steel with a polyester powder-coating on all surfaces
- Colour: black

Drawing



U-profile 30-50-5

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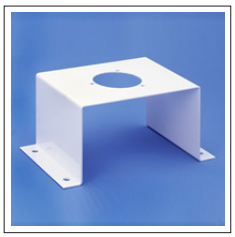
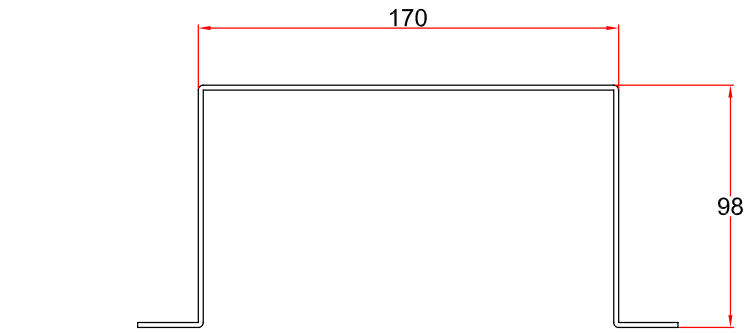
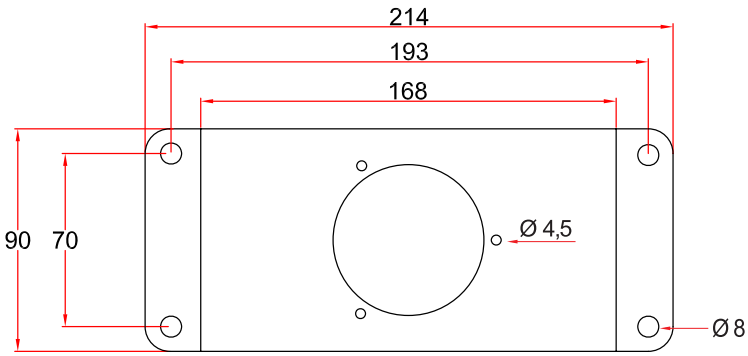
System 50 - Antistatic (AS)

- Bracket/U-profile to support the socket pipe of long extraction arms for table mounting
- Made of steel with a polyester powder-coating on all surfaces
- Colour: white



Drawing





Wall bracket 2-195-050

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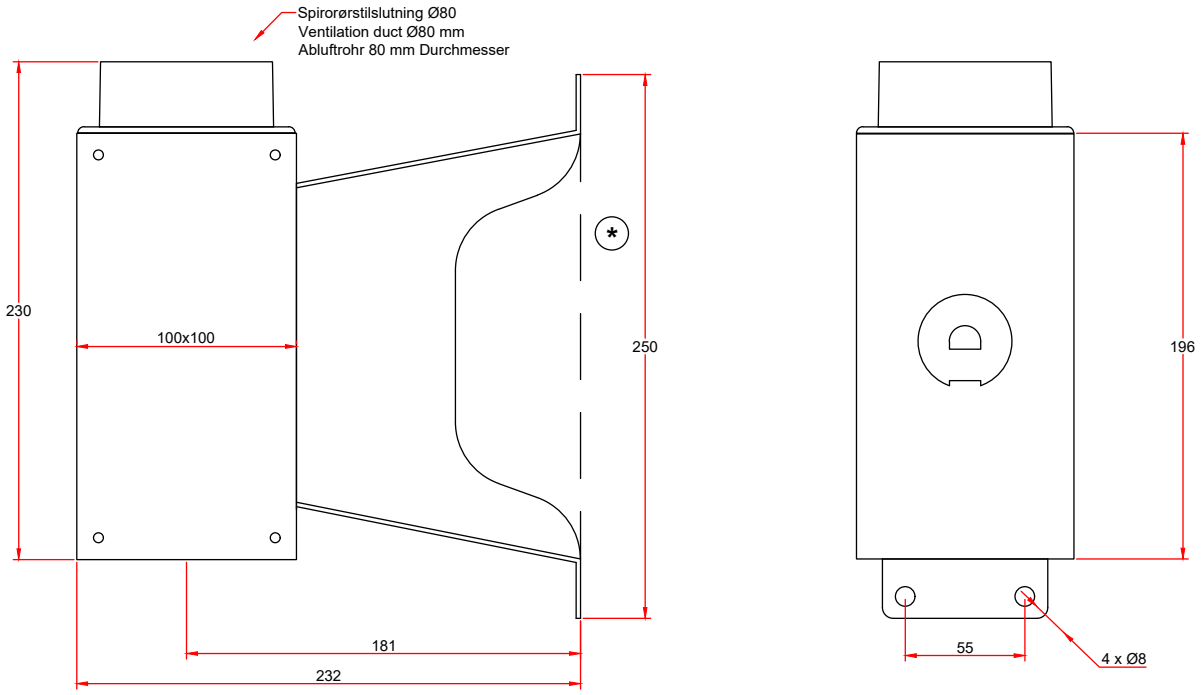
System 50 - Antistatic (AS)

- Bracket to mount extraction arms for wall mounting to the wall
- Made of steel with a polyester powder-coating on all surfaces
- Connection to ventilation duct:
  - Direct connection with a duct Ø80 mm
  - Connection with reducer 4-10075-6 to Ø100 duct (NB reducer included)
  - Connection with our Ø75 aluminium pipe in the length needed, when a stylish installation is required

- Colour: black

*) Also available with closed sides for areas with special requirements of cleaning.
no. 2-195-10-050

Drawing

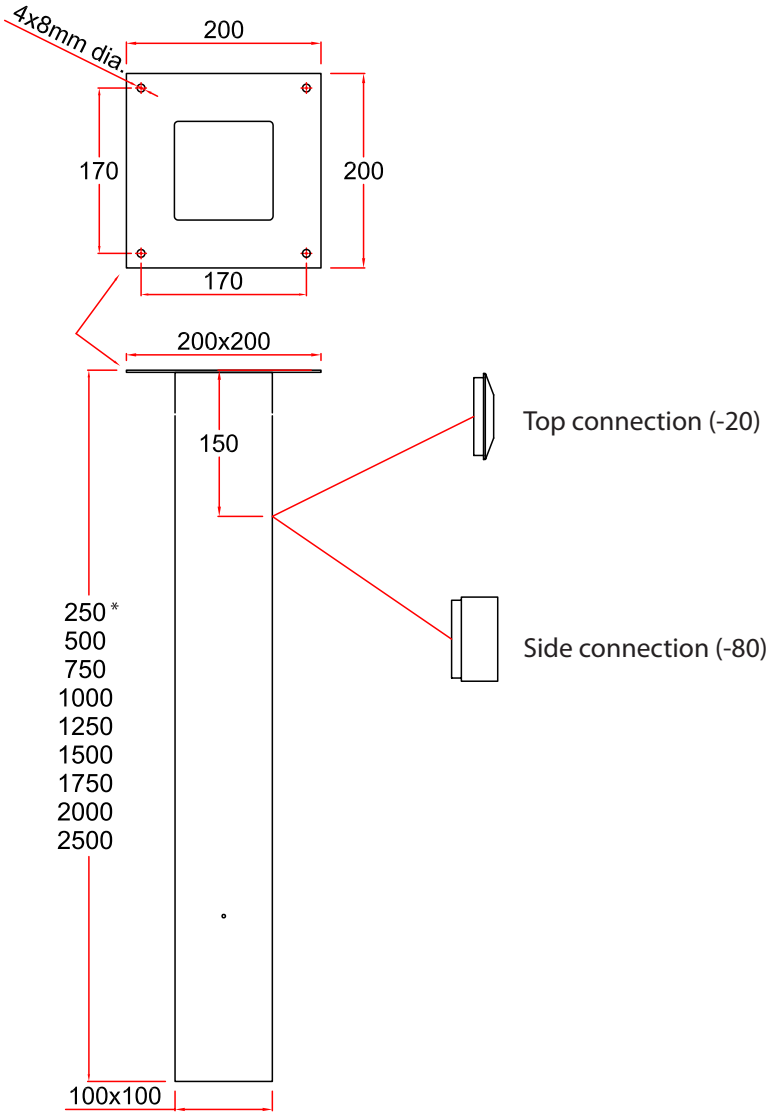


*) Closed sides for areas with special requirements of cleaning.

System 50 - Antistatic (AS)

- Ceiling columns to mount extraction arms for ceiling mounting to the ceiling
- Strong construction made of steel
- Increased durability due to polyester powder-coating on all surfaces
- Available with top connection (-20) or side connection Ø80 mm (-80)
- Colours available: white (-5) or black (-050)
- Dimension: 100x100 mm
- Lengths: 250 - 2500 mm

Drawing

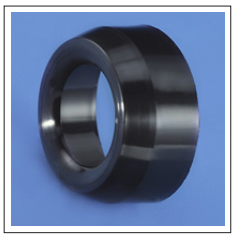


*)
Only for socket pipe with hole (side connection).
Hole to be made by installer.

Reducer 4-6350-6

System 50 - Antistatic (AS)

- Reducer to connect extraction arm and ventilating duct
- Reduces from Ø63 - Ø50
- Made of polypropylene (PP)
- Colour: black



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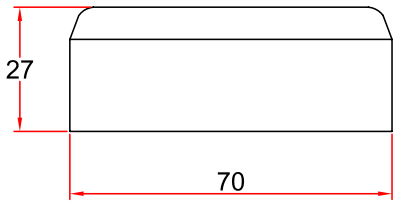
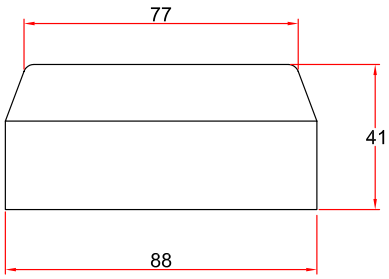


Reducer 4-8050-6

System 50 - Antistatic (AS)

- Reducer to connect extraction arm and ventilating duct
- Reduces from Ø80 - Ø50
- Made of polypropylene (PP)
- Colour: black

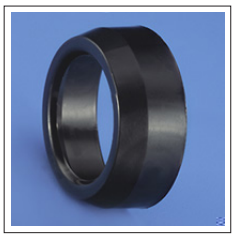
Drawing



Reducer 4-10075-6

System 50 - Antistatic (AS)

- Reducer to connect wall bracket 2-195-050 to ventilating duct Ø100 mm
- Reduces from Ø100 - Ø75
- Made of polypropylene (PP)
- Colour: black



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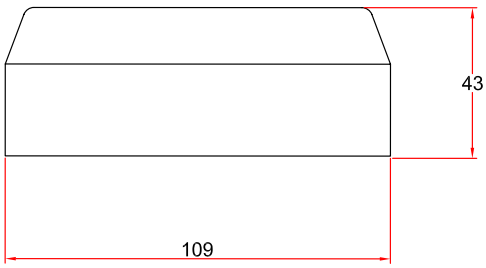

Cover flange 4-200-200

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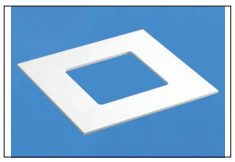
System 50 - Antistatic (AS)



- Cover flange to mount on false ceiling. Hides the carrying of the ceiling column through the false ceiling
- Dimensions: 200 x 200 mm
- Material: polystyrene
- Fasten with glue or small screws
- Colour: white

Drawing

For this product here is no drawing

Support bracket 2-75-5

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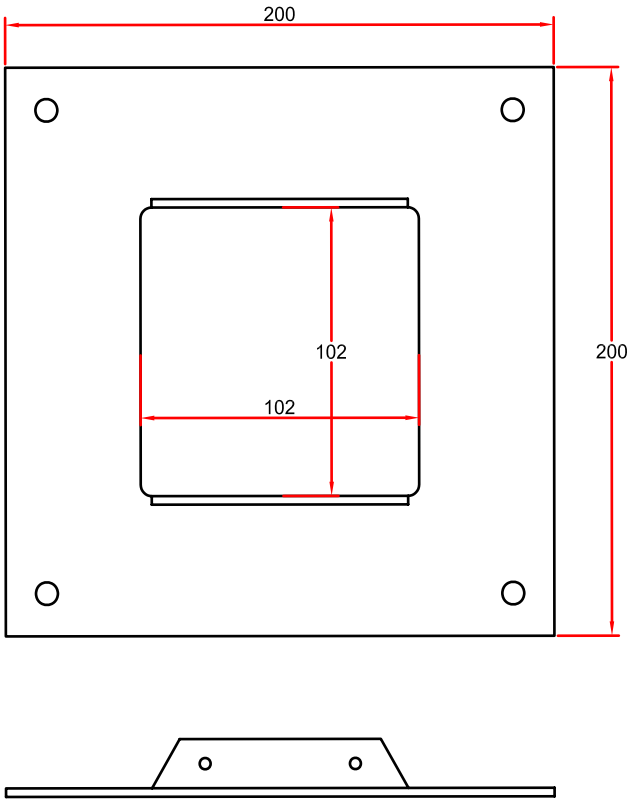
System 50 - Antistatic (AS)

- For extra support of long ceiling columns when mounted to ceiling racks or with wires to the deck
- Made of steel with a polyester powder-coating on all surfaces
- Colour: white
- Dimensions: 200 x 200 mm

Drawing



Protective netting 5-16-6

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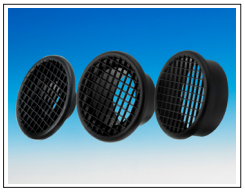
System 50 - Antistatic (AS)

- Protective netting to be placed in the hood
- Protects against extraction of foreign objects
- Conductive polypropylene (PP)
- Colour: black



Drawing