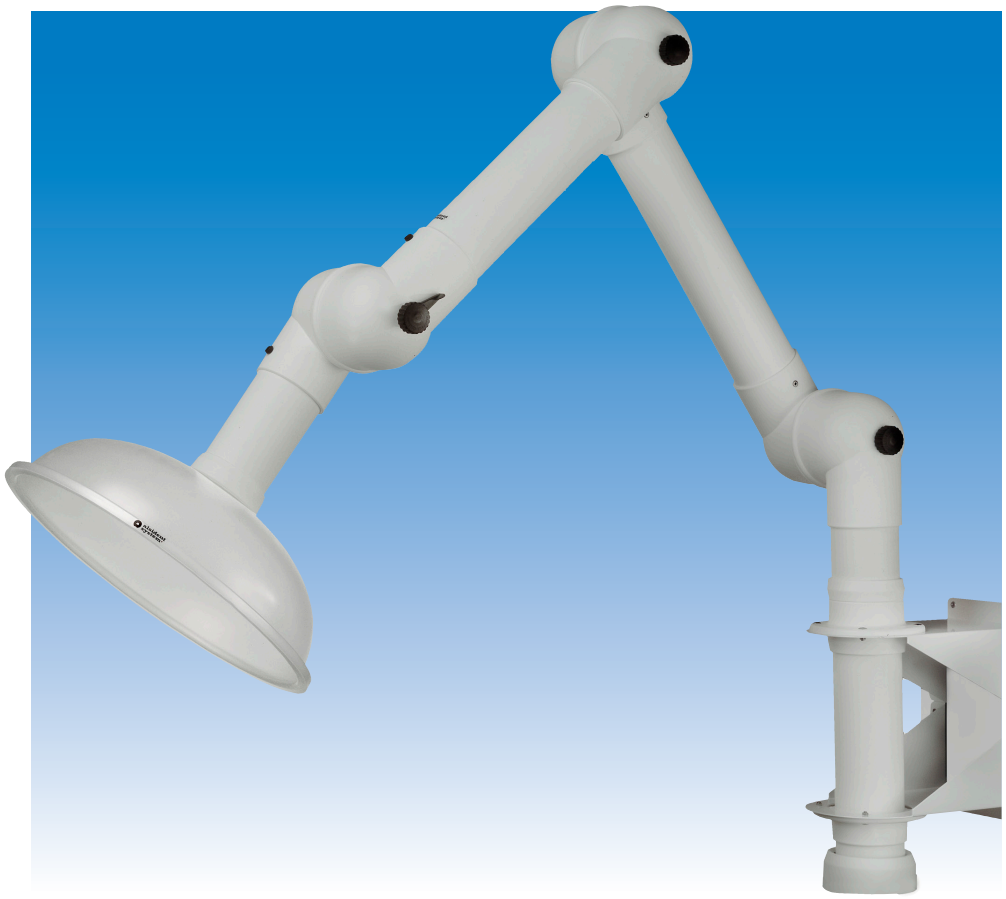
Alsident® System100

Chemical Resistant (CR)



Product Information

alsident® system

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SYSTEM 25

SYSTEM 50

SYSTEM 63

SYSTEM 75

SYSTEM 100 PP

Product Specification

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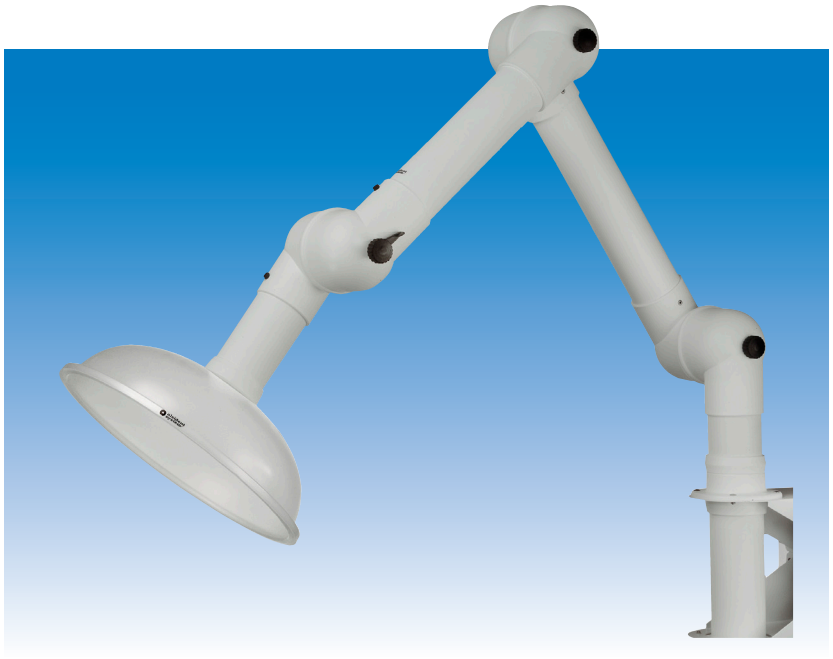
Product Description



System 100 – Chemical Resistant (CR)

Alsident® System 100 CR – airflow between 140 - 400 m^3/h.

System 100 Chemical Resistant is suitable in working environments where large air-volumes are required and where there are special requirements for chemical resistance such as laboratories, hospitals, chemical-, pharmaceutical- and food industry.

The standard Alsident® System 100 CR extraction arms are available in various types that are complementary to each other with ranges up to 2630 mm. The System 100 CR extraction arms are easily mounted with standard brackets for table, wall or ceiling. In combination with the range of hood designs this makes it possible to choose an extraction arm adapted for each work situation.

Alsident® System 100 CR extraction arms are self-sustaining with an internal bearing spring, joints of Polypropylene (PP) and tubes of Polypropylene (PP) with a diameter of 100 mm. All internal components are of acid-proof stainless steel (AISI 316L). The shortest models are supplied with an internal spring, whereas the longest models are supplied with one or two external gas springs.

The construction constitutes a very user-friendly extraction arm that is easy to adjust to the source of the pollutant during the working process.

An extraction arm from Alsident® System consists of three parts: An extraction arm, a hood and a mounting bracket. Each part must be ordered separately.

In addition to the standard range, Alsident® System 100 CR offers special customized solutions. The Alsident® technical department is always ready to help you find the best solution.

Alsident® offers short delivery time for both standard productions and special solutions.

Product Specification

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Technical Specifications

Recommended Airflow:

Normal:	270 m^3/h
Minimum:	140 m^3/h
Maximum:	400 m^3/h

Air Temperature: -15˚C – +90˚C

Material:

Pipes:	Polypropylene (PP) – white
Joint:	Polypropylene (PP) – white
O-rings:	Polyethylene (PE)
Flange:	Polypropylene (PP) – white
Damper::	Polypropylene (PP)
Thumbscrew:	Polypropylene (PP) – black
Threaded Stay:	Acid-proof stainless steel (AISI 316L)
Spring [1]:	Acid-proof stainless steel (AISI 316L)
Gas spring [2]:	Steel [3]

1) Used for arm types up to 100-6555
2) Used for arm types 100-9065, 100-10585 og 100-135105
3) Also available in stainless steel on request

Abbr.:

PE:	Polyethylene
PP:	Polypropylene *Shatterproof and chemical resistant*
PETG:	Polyethylene Therephthalat, Glycol-modified *Transparent and resistant to solvents*

Local Extraction for workplaces incl. all materials for mounting.
All components RoHS-compatible according to the directive 2002/95/EF (RoHS).

Key to the signatures

SYSTEM NO.	VERSION	CHAPTER	PAGE NO.
100	PP Chemical Resistant	GI General Information	01
		TM Table mounted	
		WM Wall mounted	
		CM Ceiling mounted	

Product Overview

Table mounted

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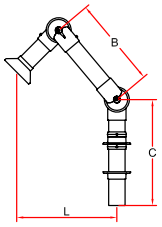
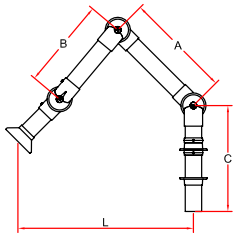
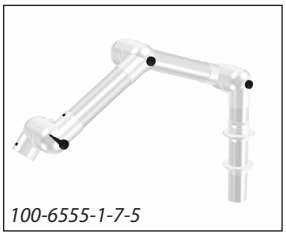
Table mounted (TM), 2-Joint



Diam. [mm]	L [mm]	B [mm]	C [mm]	Weight appr.[kg]	Part No.
100	795	550	650	3.0	100-55-1-7-5

Table mounted (TM), 3-Joint





Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr.[kg]	Part No.
100	1040	450	400	650	4.0	100-4540-1-7-5
100	1185	550	450	650	4.5	100-5545-1-7-5
100	1370	650	550	650	5.0	100-6555-1-7-5
100	1710	900	650	650	6.0	100-9065-1-7-5 [1) 3)]
100	2130	1050	850	650	6.5	100-10585-1-7-5 [2) 3)]

1) With 1 gas spring
2) With 2 gas springs
3) With handle on B-pipe

Product Overview

Wall mounted

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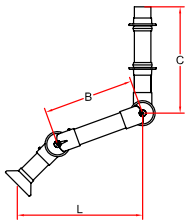
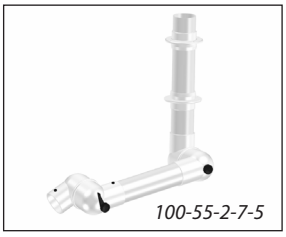
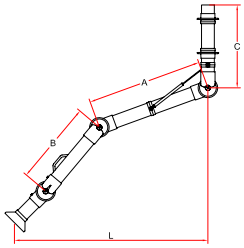
Wall mounted (WM), 2-Joint

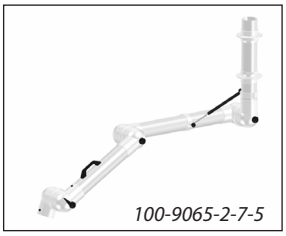




Diam. [mm]	L [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	795	550	650	3.5	100-55-2-7-5

Wall mounted (WM), 3-Joint





Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	1040	450	400	650	4.5	100-4540-2-7-5
100	1185	550	450	650	5.0	100-5545-2-7-5
100	1370	650	550	650	5.5	100-6555-2-7-5
100	1710	900	650	650	6.5	100-9065-2-7-5[1) 3)]
100	2130	1050	850	650	7.0	100-10585-2-7-5[2) 3)]
100	2630	1350	1050	650	8.0	100-135105-2-7-5[2) 3)]

1) With 1 gas spring
2) With 2 gas springs
3) With handle on B-pipe

Product Overview

Ceiling mounted

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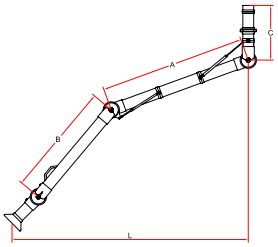
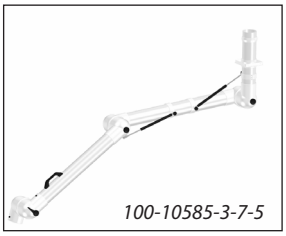
Ceiling mounted (CM), 3-Joint





Diam. [mm]	L [mm]	A [mm]	B [mm]	C [mm]	Weight appr. [kg]	Part No.
100	1185	550	450	510	5,0	100-5545-3-7-5
100	1370	650	550	510	5,5	100-6555-3-7-5
100	1710	900	650	510	6,5	100-9065-3-7-5[1) 3)]
100	2130	1050	850	510	7,0	100-10585-3-7-5[2) 3)]
100	2630	1350	1050	510	8,0	100-135105-3-7-5[2) 3)]

1) With 1 gas spring
2) With 2 gas springs
3) With handle on B-pipe

Accessories Overview

Hoods

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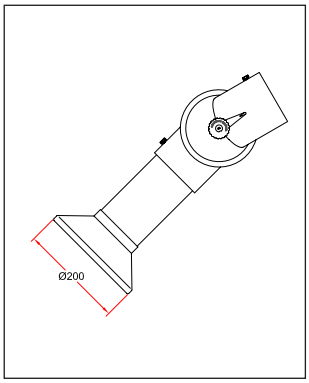
Metal Hood (diam. 200 mm) — Part No.: 1-10024-7-5

Recommended when extracting hot gases, fumes, light dust concentrations etc. The powder coated surface improves the durability of the hood.

Material

Metal Hood:	Aluminium (powder coated)
Connection tube:	Polypropylene (PP) [1]

1) See page GI02



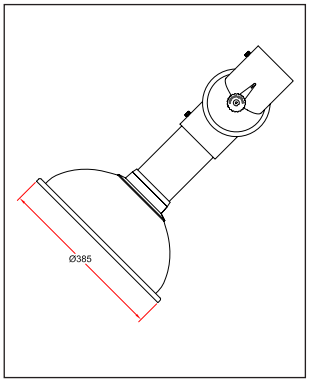
Dome Hood (diam. 385 mm) — Part No.: 1-10035-7-5

Recommended for light fumes, gases and small open vessels. Increased stability due to re-inforced rim of the hood. Increased efficiency at an angled position.

Material

Hood:	Polypropylene (PP) [1]
Flange:	Polypropylene (PP) [1]
Connection to tube[2]:	Polypropylene (PP) [1]

1) See page GI02
2) Separately enclosed at delivery



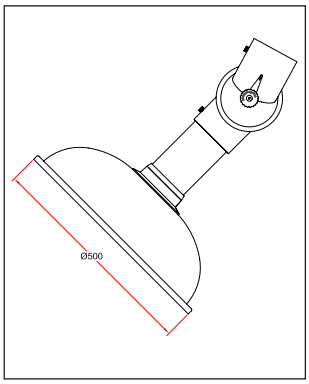
Dome Hood (diam. 500 mm) — Part No.: 1-10050-7-5

Recommended for light fumes, gases and large open vessels. Increased stability due to rein-forced rim of the hood. Increased efficiency at an angled position.

Material

Hood:	Polypropylene (PP)[1]
Flange:	Polypropylene (PP)[1]
Connection to tube[2]:	Polypropylene (PP)[1]

1) See page GI02
2) Separately enclosed at delivery



Accessories Overview

Hoods

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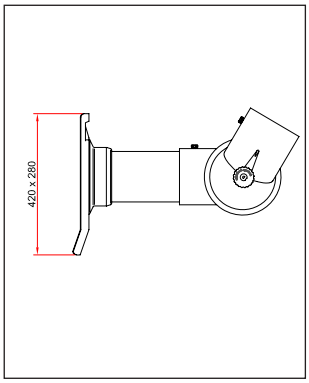
Flat Screen (420 x 280 mm) Part No.: 1-1004228-7-5

Recommended when extracting heavy gases and fumes. High efficiency when placed vertically on a surface e.g. a table. Practical rim for easy positioning of the hood. Gets close to the source without obstructing the work process.

Material

Hood:	Polypropylene (PP)[1]
Flange:	Polypropylene (PP)[1]
Connection to tube[2]:	Polypropylene (PP)[1]

1) See page GI02
2) Separately enclosed at delivery



Accessories Overview

Brackets and Columns

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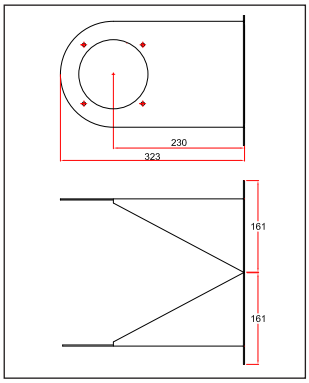
Wall Bracket — Part No.: 2-10035 /-22

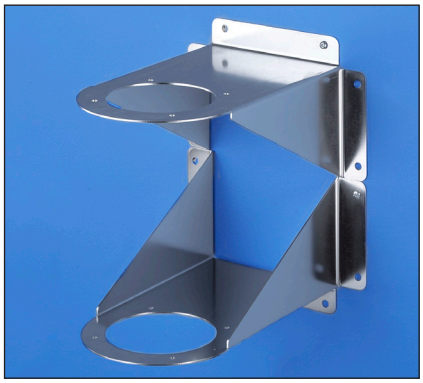
Used for System 100 Wall or Table Mounted Extraction Arms.

The wall bracket is made of steel with a white polyester powder coated steel or stainless steel (AISI 316 L). Other colours available on request.

Material	Part No.
Powder coated	2-10035
Stainless steel	2-10035-22

Note: Invoiced as two half pieces.



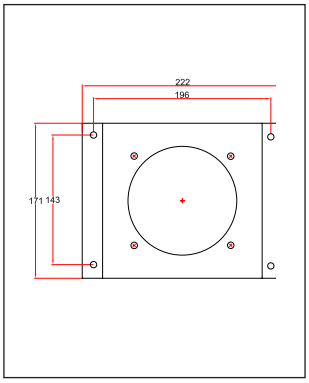


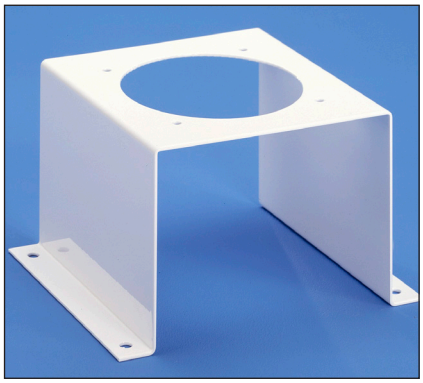
U-Profile — Part No.: 30-100-5

Used for reinforcement of the socket pipe when mounting a System 100 extraction arm in table plate.

The U-Profile can be mounted both above or under table plate.

Made of steel with a white powder coated surface and an extra flange. Other colours for the U-profile available on request.

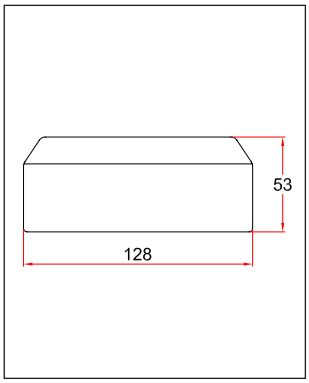


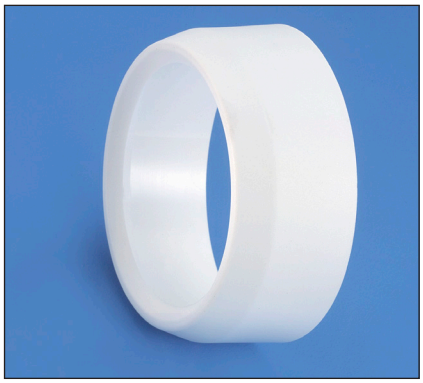


Reducer — Part No.: 4-100125

Used to connect System100 Extraction Arms to duct. Made of white polypropylene (PP).

Reduces from Ø125 to Ø100.





Accessories Overview

Brackets and Columns

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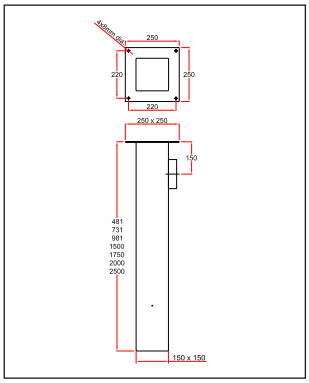
Ceiling Columns

Used for mounting the System 100 Ceiling Mounted Extraction Arms. The ceiling column is made of white polyester powder coated steel. Available in several standard lengths with side connection to duct.

Other lengths, colours and acid-proof stainless steel available on request. Top connection also available on request.

Connection diameter: 125 mm



Top connection, Part No.: .....

Length [mm]	Weight app. [kg]	White
500	4.0	2-100-500
750	5.5	2-100-750
1000	6.5	2-100-1000
1500	9.0	2-100-1500
1750	10.5	2-100-1750
2000	11.5	2-100-2000
2500	13.0	2-100-2500

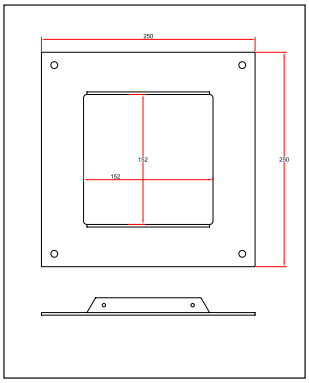
Support Bracket for long ceiling column — Part No.: 2-100-5

For extra support of ceiling columns longer than 2 m.

For support with wire to deck or by fastening to ceiling rail system.

The support bracket is made of steel with a white polyester powder-coating.

Other colours available on request.



Technical Description

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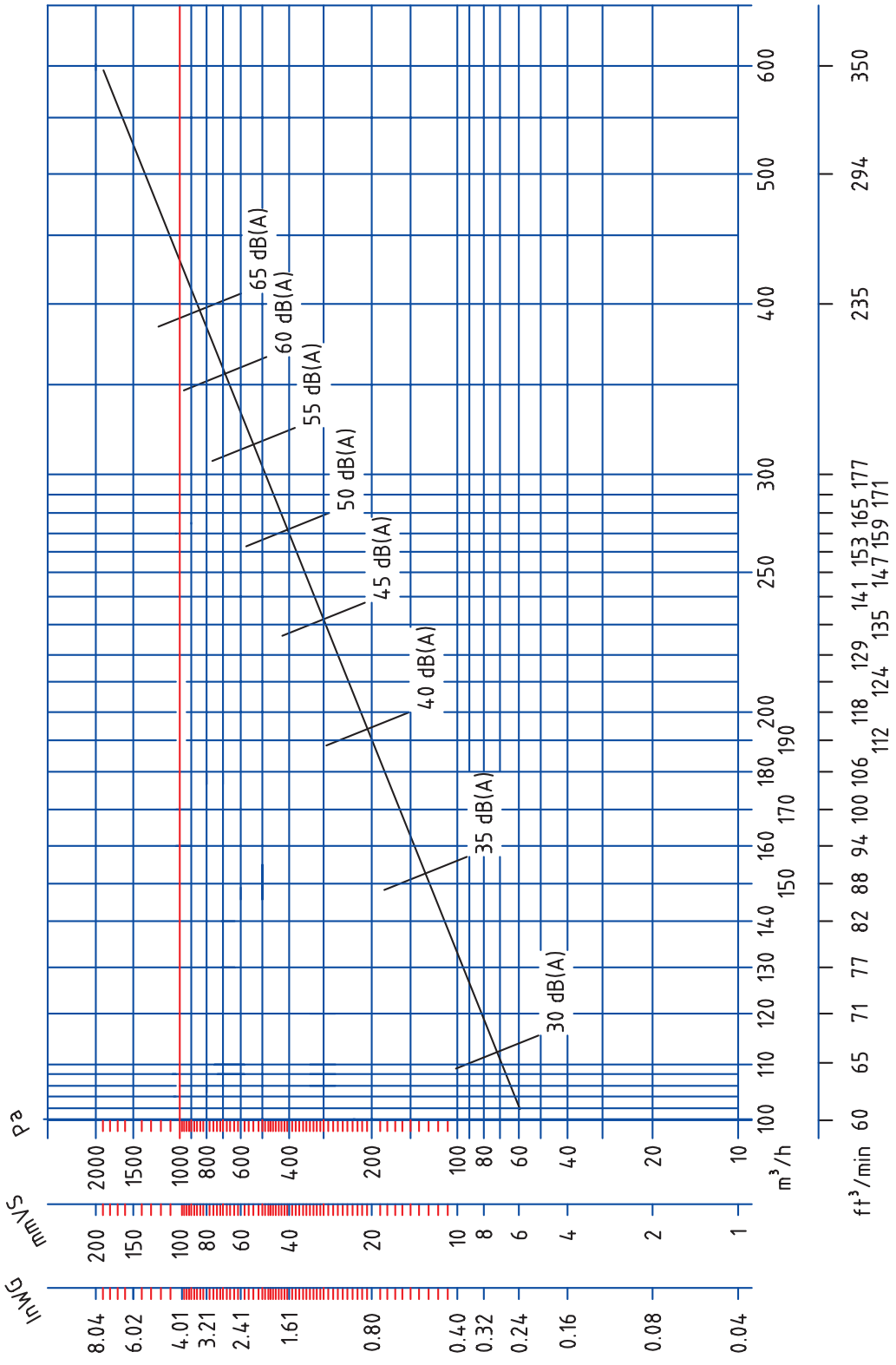
Pressure Drop Chart

Tested by Danish Technological Institute



Spare Parts List

Joint with Damper

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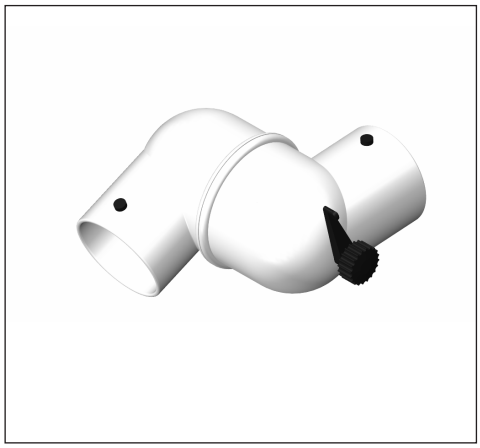
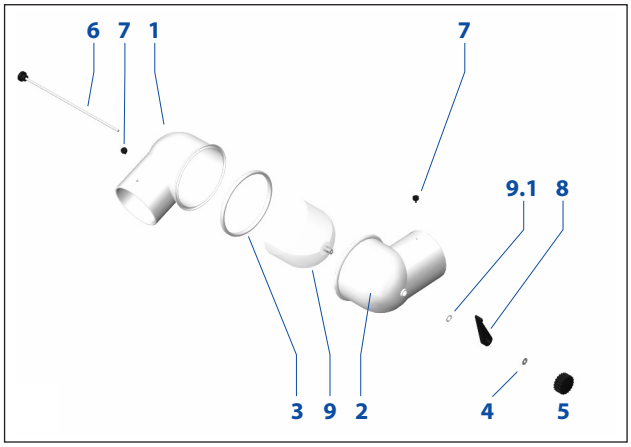
Joint with Damper 4-100-5





Pos.	Product No.
A	4-100-5

Pos.	Part No.	Description	A [Pieces applied]
1	4-100-8-5	Joint A	1
2	4-10012-5	Joint 100	1
3	5-133-10-5	O-ring	1
4	800-7-5,2-18	Teflon washer	1
5	5-100-5	Thumbscrew, 5 mm	1
6	5-100-282	Threaded Stay	1
7	5-75-4	Thumbscrew, 4 mm	2
8	5-100-73	Wing for Damper	1
9	800-4-100	Damper	1
9.1	5-12-411	Seegerring	1

Working Area

Table mounted with Hood Ø200

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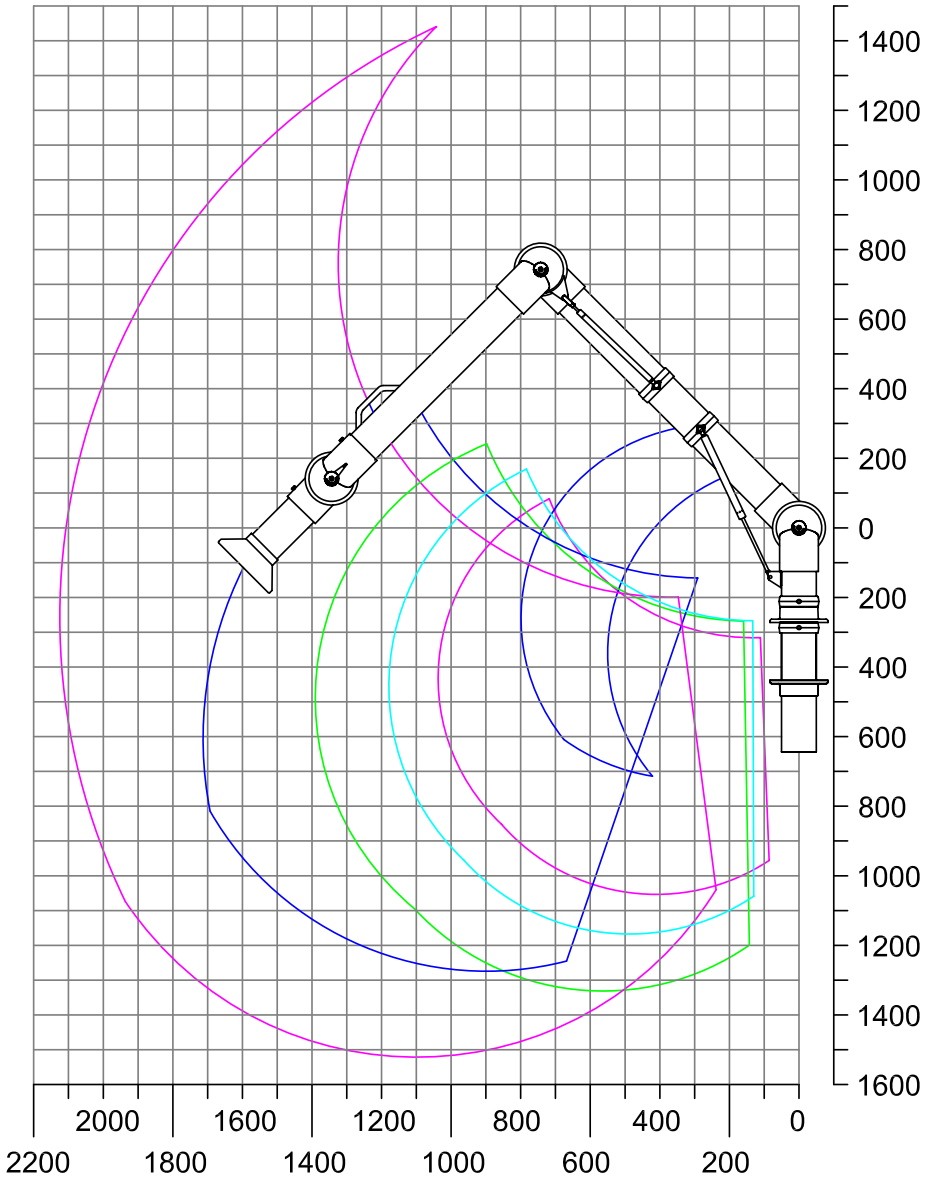

A: Model 100-55-1-7-5 R: 795 mm
B: Model 100-4540-1-7-5 R: 1040 mm
C: Model 100-5545-1-7-5 R: 1185 mm
D: Model 100-6555-1-7-5 R: 1370 mm
E: Model 100-9065-1-7-5 R: 1710 mm
F: Model 100-10585-1-7-5 R: 2130 mm

Accessory: Hood No. 1-10024-7-5

The working area of the arm is defined from the center of the opening of the accessory.
The working area changes according to type of accessory and positioning.
When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)

Mounting Options

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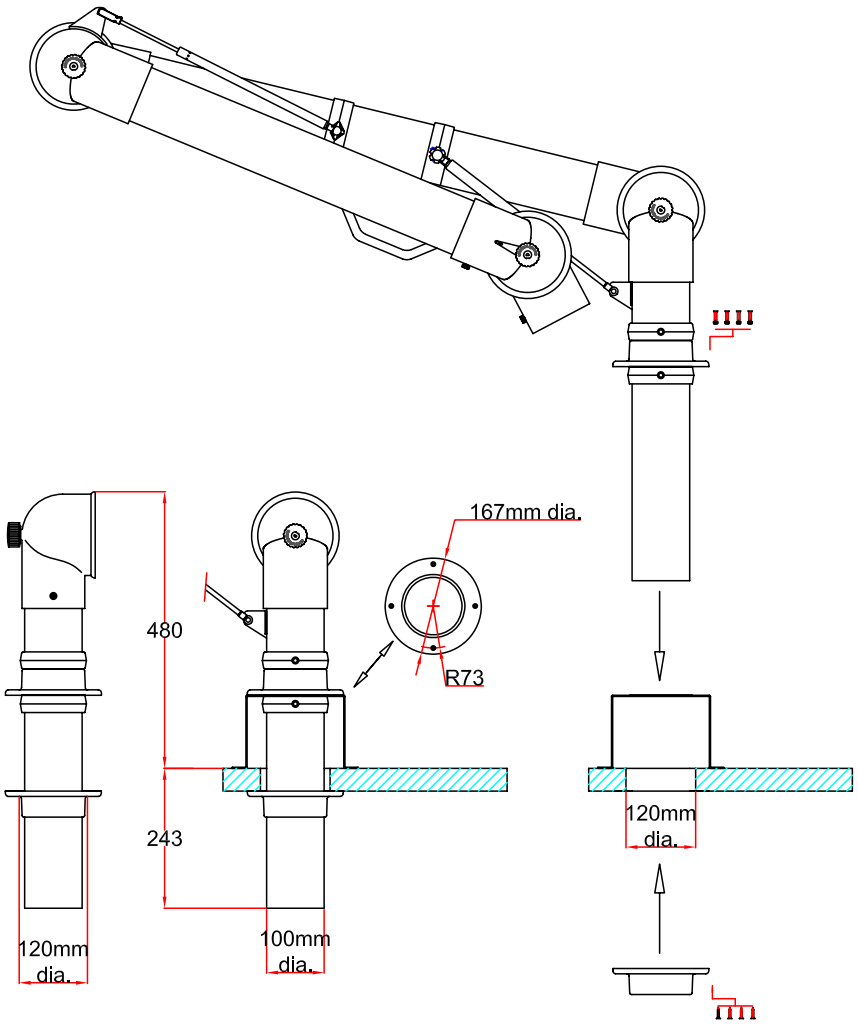
Table Mounting with U-profile – above table

Placed above table
System 100 extraction arm mounted on a table with a U-profile placed above table.

Accessory:
U-profile, Part No.: 30-100-5

Dimensions



(all measurements in mm)

Mounting Options

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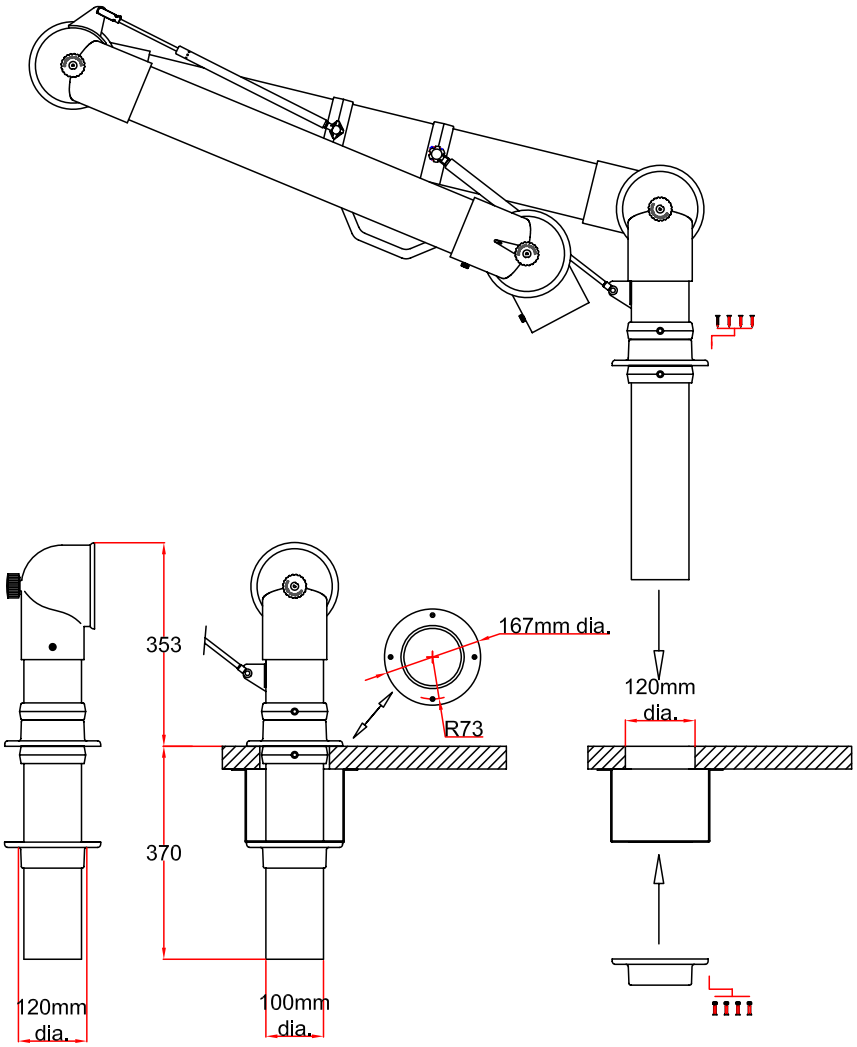
Table Mounting with U-profile – under the table

Placed under the table
System 100 extraction arm mounted on a table with U-profile placed under the table.

Accessory:
U-profile, Part No.: 30-100-5

Dimensions



(all measurements in mm)

Mounting Options

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Table Mounting with Wall Bracket

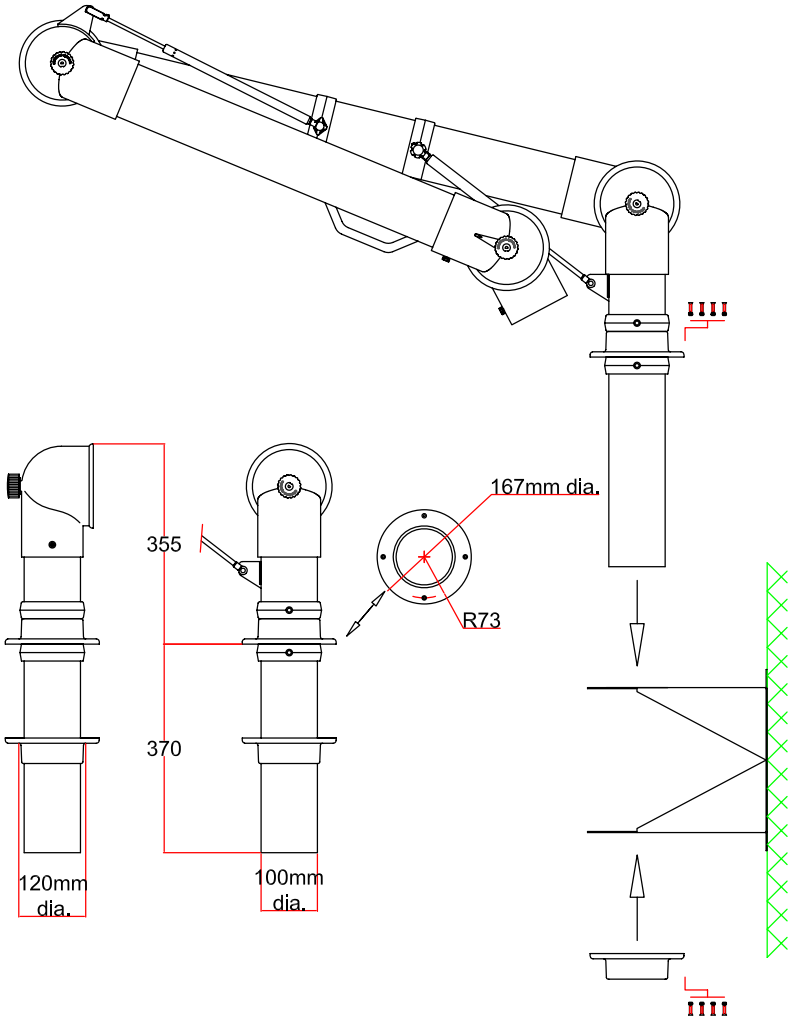
Table mounted with Wall Bracket
System 100 extraction arm mounted standing in a Wall Bracket.

Accessory:
Wall Bracket, Part No.: 2-10035 /-22

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

Note: Invoiced as two half pieces.

Dimensions



(all measurements in mm)

U-profile

Technical Description

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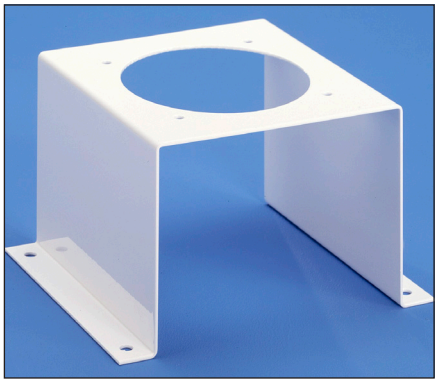
Part No.: 30-100-5

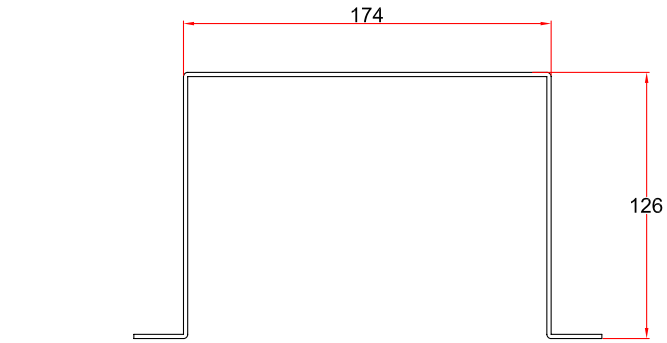
Used for reinforcement of the socket pipe when table mounting a System 100 extraction arm in table plate. The U-profile can be placed both above or under table plate.

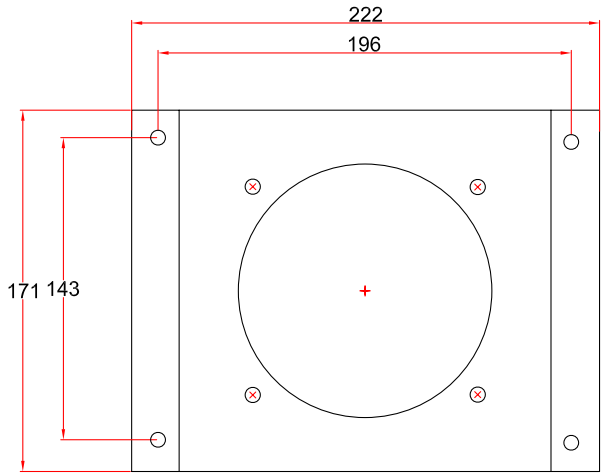
Made of steel with a white powder coated surface and an extra flange.

Other colours of the U-profile are available on request.



Dimensions





(all measurements in mm)

Wall Bracket

Technical Description

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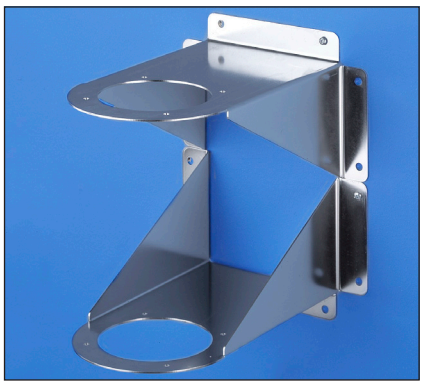
Part No.: 2-10035 /-22

Used for System 100 wall or table mounted extraction arms. The wall bracket is made of steel with a white powder coated surface or stainless steel.

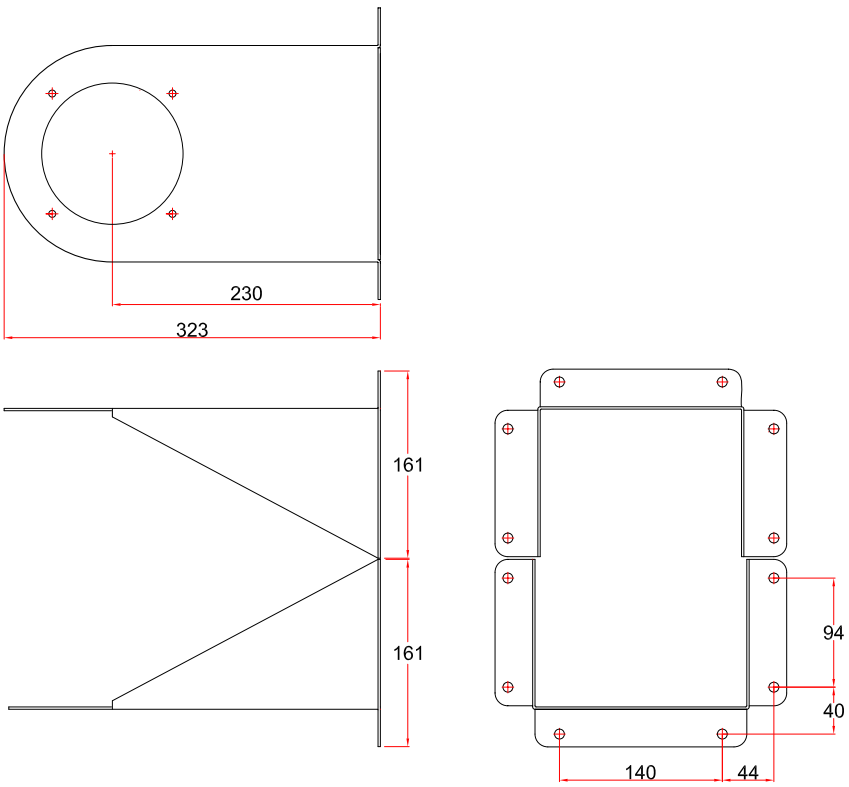
Other colours available on request.



Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

Note: Invoiced as two half pieces.

Dimensions

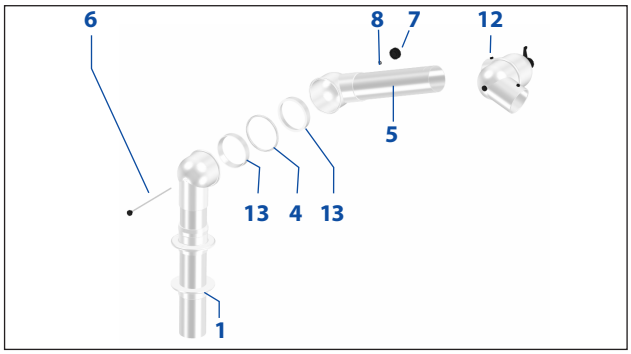


(all measurements in mm)

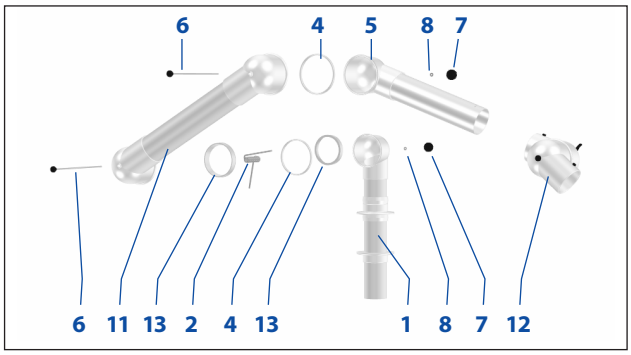
Spare Parts

alsident® system
A cleaner working environment

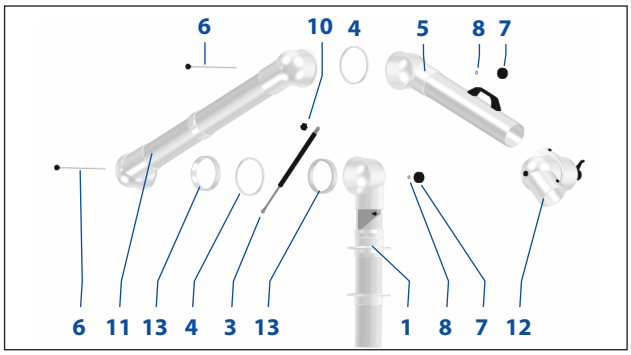
(A) 100-55-1-7-5



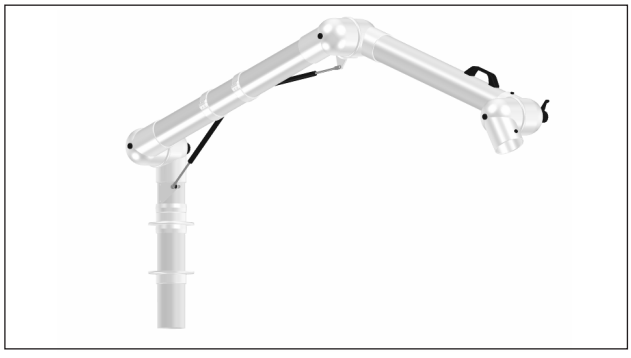
(B) 100-4540-1-7-5 (C) 100-5545-1-7-5 (D) 100-6555-1-7-5

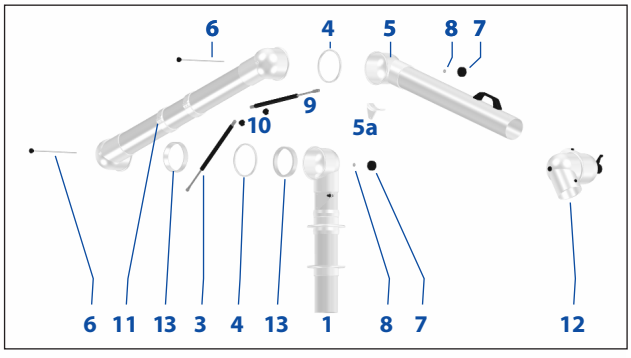


(E) 100-9065-1-7-5



(F) 100-10585-1-7-5





For Spare Parts List – see next page.

Spare Parts List

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Pos.	Product No.	Joint
A	100-55-1-7-5	2-joint
B	100-4540-1-7-5	3-joint
C	100-5545-1-7-5	3-joint
D	100-6555-1-7-5	3-joint
E	100-9065-1-7-5	3-joint
F	100-10585-1-7-5	3-joint

Pos.	Part No.	Description	A [Pieces applied]	B	C	D	E	F
1	3-10058-0-1-5	C-pipe 580, short	1	1	1	1		
1	3-10058-1-5	C-pipe 580, long					1	1
2	5-75-3-5-01	Spring 5 mm		1	1			
2	5-75-3-6-01	Spring 6 mm				1		
3	800-100-180-1-050	Gas spring 180 N (push)					1	1
4	5-133-10-5	O-ring	1	2	2	2	2	2
5	3-10040-9-5	B-pipe 400		1				
5	3-10045-9-5	B-pipe 450			1			
5	3-10055-9-5	B-pipe 550	1			1		
5	3-10065-9-5	B-pipe 650					1	
5	3-10085-9-5	B-pipe 850						1
5a	4-100-01-5	Angle brace for joint B						1
6	5-100-268	Threaded Stay	1	2	2	2	2	2
7	5-100-5	Thumbscrew	1	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	1	2	2	2	2	2
9	800-100-100-1-5	Gas spring 100 N (Push)						1
10	5-75-5	Thumbscrew, 5 mm					1	2
11	3-10045-8-5	A-pipe 450		1				
11	3-10055-8-5	A-pipe 550			1			
11	3-10065-8-5	A-pipe 650				1		
11	3-10090-8-5	A-pipe 900					1	
11	3-10005-8-5	A-pipe 1050						1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2

**) Spare Parts List Joint with Damper – see General Information*

When ordering spare parts please quote:

Product No.	e.g.	100-55-1-7-5
Description	-	B-pipe 550
Part No.	-	3-10055-9-7-5
Quantity	-	1 pc.

If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.

Mounting Instructions

With internal spring

alsident® system
A cleaner working environment

Fig. 1:

1. Make a hole with a diameter of 120 mm where the extraction arm is to be placed. The U-profile is mounted above or under the table (1).
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the U-profile and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the table and fasten it with the included screws (3).

Go to Fig. 3

Fig. 2:

1. Fasten the wall bracket on the wall in the desired height above the floor. Make sure the brackets are mounted solidly on the wall and close together.
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the bracket and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the bracket and fasten it with the included screws (3).

Fig. 3:

1. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
2. Unfold the extraction arm in the direction of the arrow.
3. Place the connection pipe of the accessory in the joint. Turn the slit on the conection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.

Mounting Instructions

With gas spring

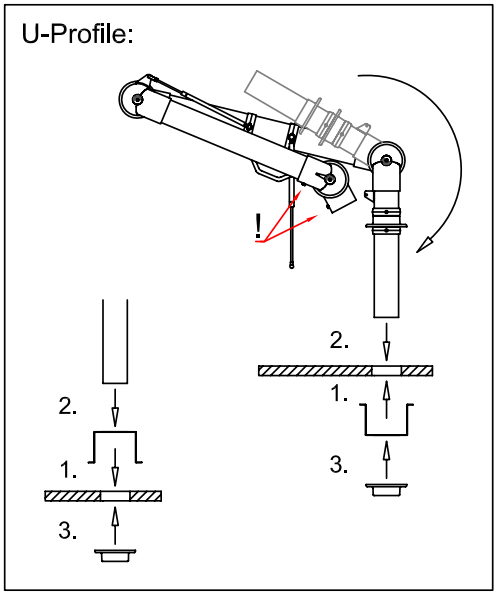

Fig. 1:

1. Make a hole with a diameter of 120 mm where the extraction arm is to be placed. The U-profile is mounted above or under the table (1).
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the U-profile and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the table and fasten it with the included screws (3).

Go to Fig. 3

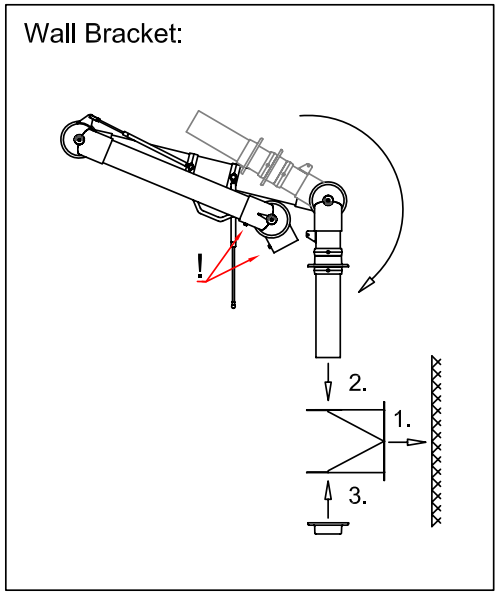

Fig. 2:

1. Fasten the wall bracket on the wall in the desired height above the floor. Make sure the brackets are mounted solidly on the wall and close together.
2. Considering the internal spring it is important to turn the socket pipe in the direction of the arrow. Make sure the fingerscrews (!) are faced forward.
3. Place the socket pipe through the holes in the bracket and fasten the flange with the included screws (2).
4. Place the other flange on the socket pipe under the bracket and fasten it with the included screws (3).

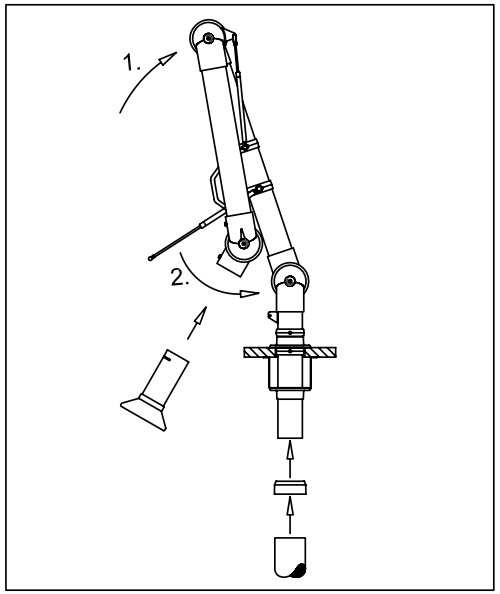

Fig. 3:

1. To mount the gas spring turn the extraction arm towards vertical position (1).
2. Turn the gas spring to the fitting on the socket pipe. Fasten the gas spring to the fitting (2).
3. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
4. Unfold the extraction arm in the direction of the arrow.
5. Place the connection pipe of the accessory in the joint. Turn the slit on the conection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.

alsident® system

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Working Area

Wall mounted with Hood Ø200 mm

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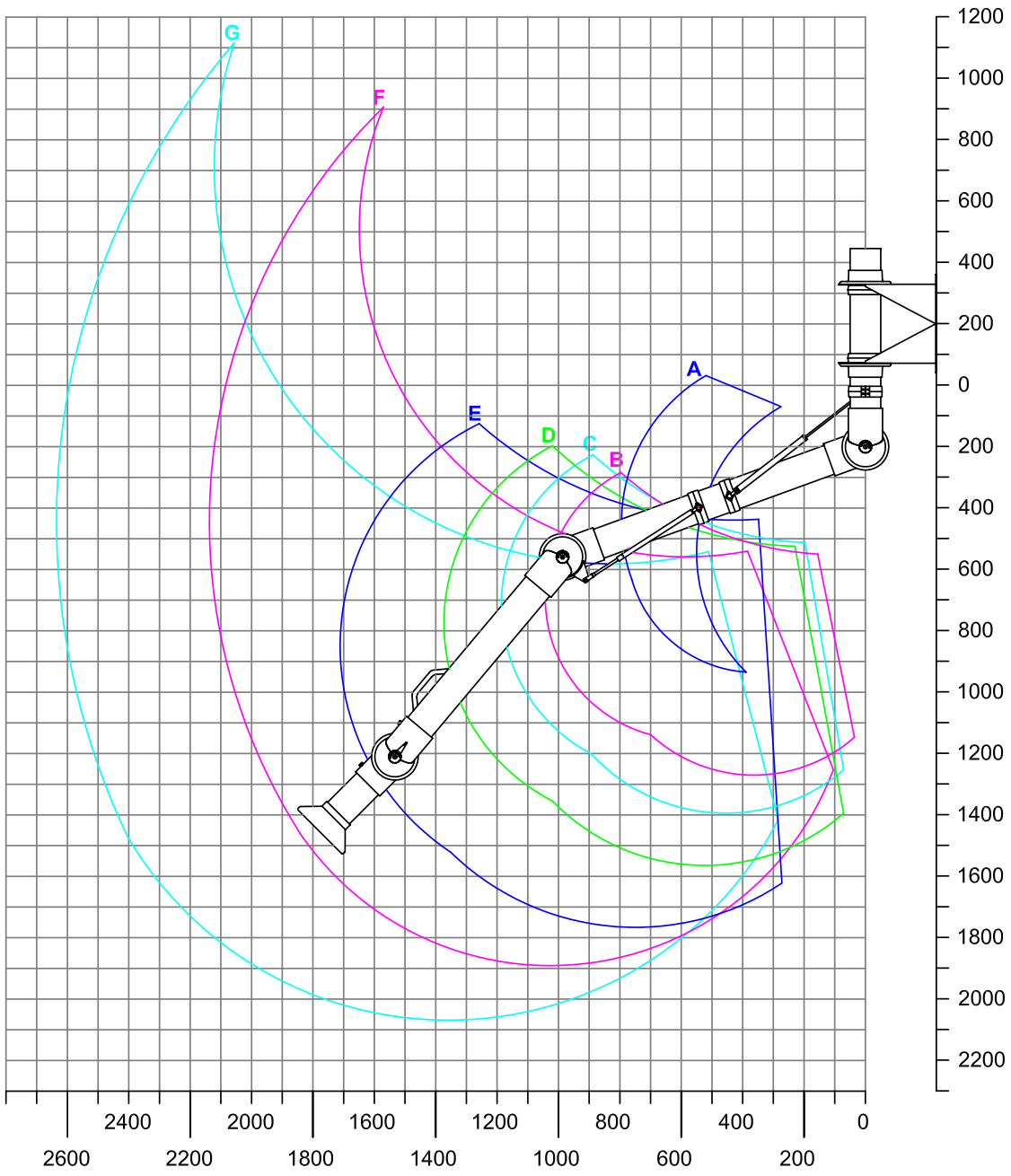
A cleaner working environment



A: Model 100-55-2-7-5 R: 795 mm
B: Model 100-4540-2-7-5 R: 1040 mm
C: Model 100-5545-2-7-5 R: 1185 mm
D: Model 100-6555-2-7-5 R: 1370 mm
E: Model 100-9065-2-7-5 R: 1710 mm
F: Model 100-10585-2-7-5 R: 2130 mm
G: Model 100-135105-2-7-5 R: 2630 mm

Accessory: Hood No. 1-10024-7-5

The working area of the arm is defined from the center of the opening of the accessory.
The working area changes according to type of accessory and positioning.
When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)

Mounting Options

alsident® system
A cleaner working environment

Wall Mounting

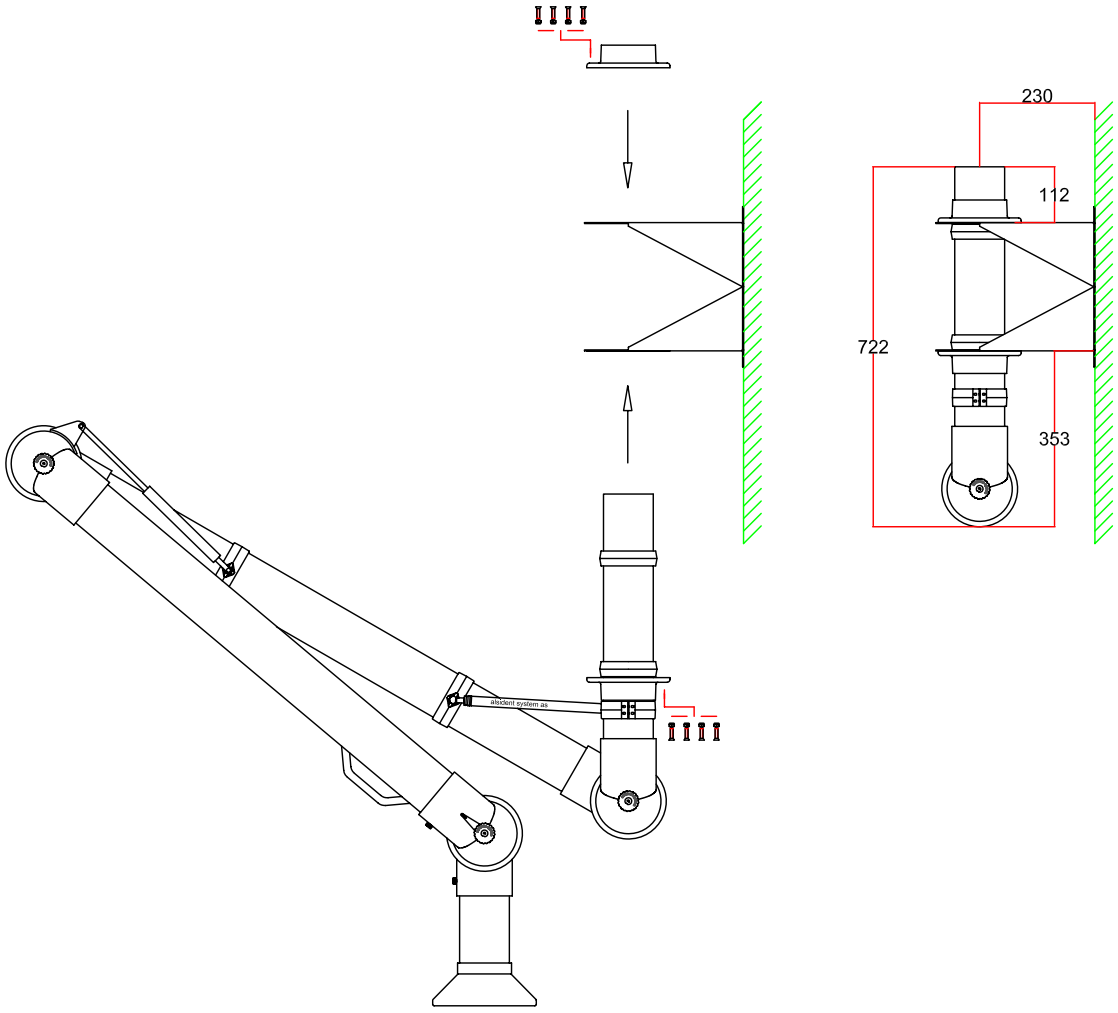
Wall Mounting
System 100 wall mounted extraction arm in Wall Bracket.

Accessory:
Wall Bracket, Part No.: 2-10035 /-22

MaterialPart No.	
White powder coated	2-10035
Stainless steel	2-10035-22

Note: Invoiced as two half pieces.

Dimensions



(all measurements in mm)

Wall Bracket

Technical Description

alsident® system
A cleaner working environment

Part No.: 2-10035 /-22

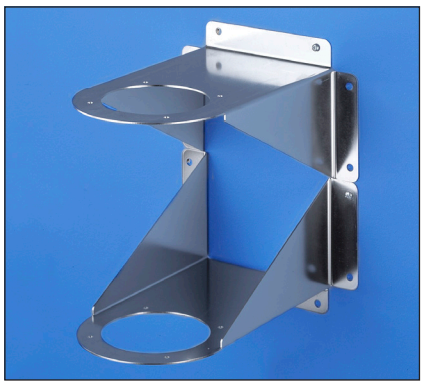
Used for System 100 wall or table mounted extraction arms.

The Wall Bracket is made of steel with a white powder coated surface or stainless steel. (AISI 316L).

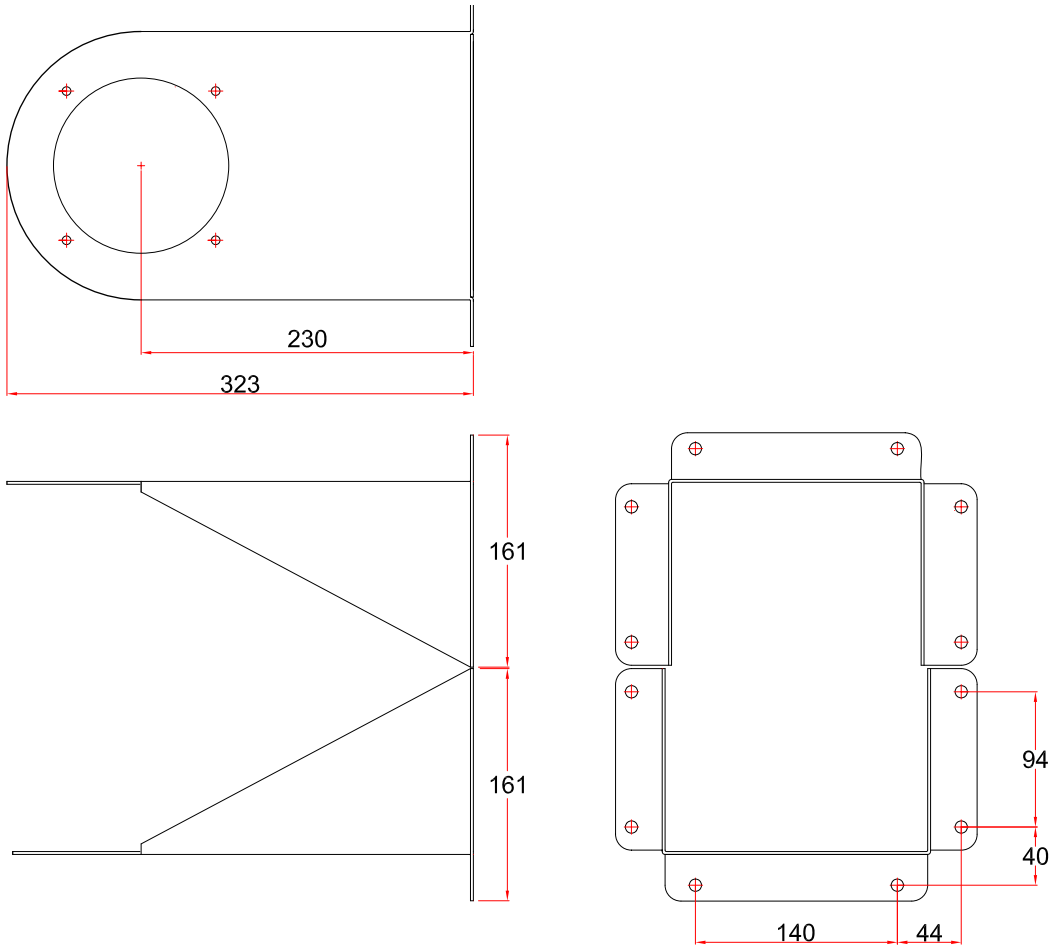
Other colours availabel on request.

Material	Part No.
White powder coated	2-10035
Stainless steel	2-10035-22

Note: Invoiced as two half pieces.



Dimensions

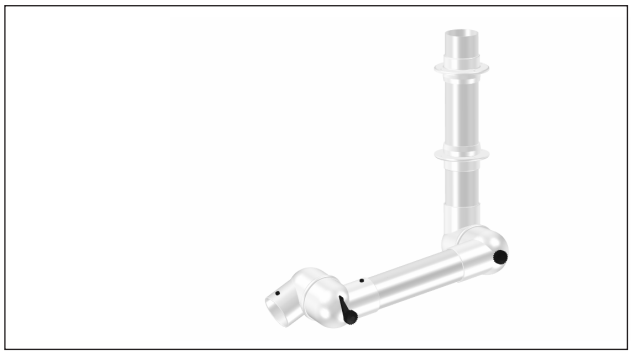


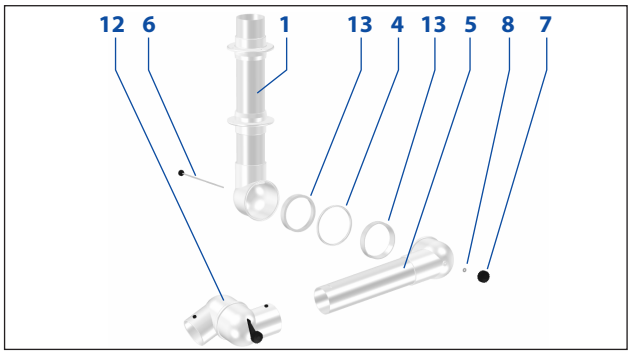
(all measurements in mm)

Spare Parts

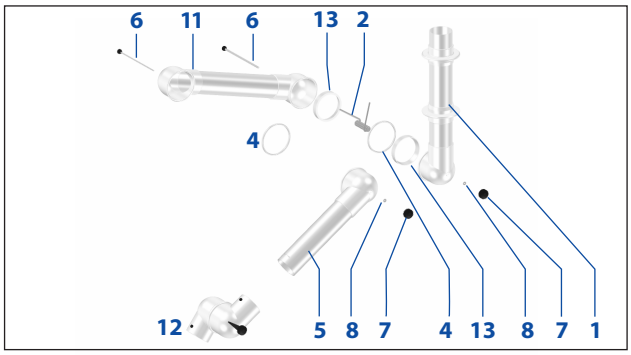
alsident® system
A cleaner working environment

(A) 100-55-2-7-5

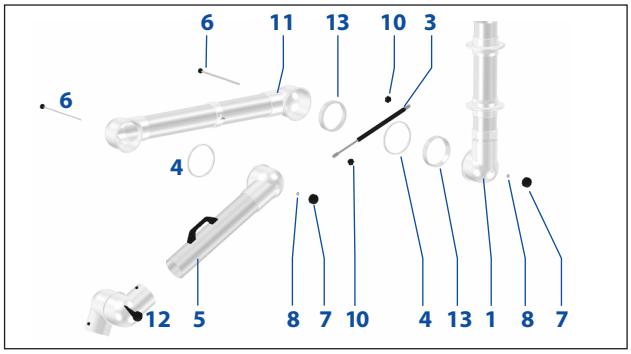




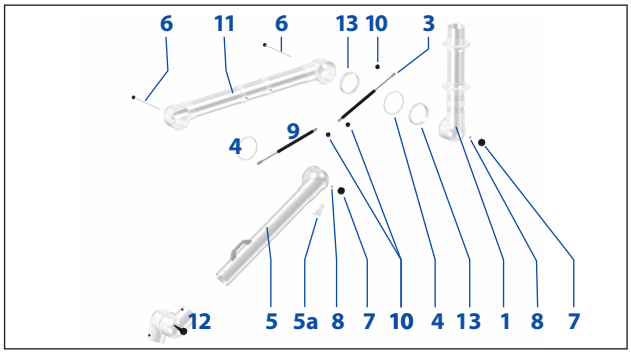
(B) 100-4540-2-7-5 (C) 100-5545-2-7-5 (D) 100-6555-2-7-5



(E) 100-9065-2-7-5



(F) 100-10585-2-7-5 (G) 100-135105-2-7-5



For Spare Parts List – see next page.

Spare Parts List

alsident® system
A cleaner working environment

Pos.	Product No.	Joint
A	100-55-2-7-5	2-joint
B	100-4540-2-7-5	3-joint
C	100-5545-2-7-5	3-joint
D	100-6555-2-7-5	3-joint
E	100-9065-2-7-5	3-joint
F	100-10585-2-7-5	3-joint
G	100-135105-2-7-5	3-joint

Pos.	Part No.	Description	A [Pieces applied]	B	C	D	E	F	G
1	3-10058-0-2-5	C-pipe 580, short	1	1	1	1			
1	3-10058-2-5	C-pipe 580, long					1	1	1
2	5-75-3-5-00	Spring 5 mm		1	1				
2	5-75-3-6-00	Spring 6 mm				1			
3	800-100-200-2-050	Gas spring 200N (pull)					1		
3	800-100-230-2-050	Gas spring 230N (pull)						1	
3	800-100-260-2-050	Gas spring 260N (pull)							1
4	5-133-10-5	O-ring	1	2	2	2	2	2	2
5	3-10040-9-5	B-pipe 400		1					
5	3-10045-9-5	B-pipe 450			1				
5	3-10055-9-5	B-pipe 550	1			1			
5	3-10065-9-5	B-pipe 650					1		
5	3-10085-9-5	B-pipe 850						1	
5	3-100105-9-5	B-pipe 1050							1
5a	4-100-01-5	Angle brace for B-Joint							1
6	5-100-268	Threaded Stay	1	2	2	2	2	2	2
7	5-100-5	Thumbscrew	1	2	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	1	2	2	2	2	2	2
9	800-100-100-1-050	Gas spring 100 N (Push)						1	1
10	5-75-5	Thumbscrew, 5 mm					2	3	3
11	3-10045-8-5	A-pipe 450		1					
11	3-10055-8-5	A-pipe 550			1				
11	3-10065-8-5	A-pipe 650				1			
11	3-10090-8-5	A-pipe 900					1		
11	3-100105-8-5	A-pipe 1050						1	
11	3-100135-8-5	A-pipe 1350							1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2	2

**) Spare Parts List Joint with Damper – see General Information*

When ordering spare parts please quote:

Product No.	e.g.	100-5545-2-7-5
Description	-	B-pipe 450
Part No.	-	3-10045-9-7-5
Quantity	-	1 pc.

If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.

Mounting Instructions

With internal spring

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Fig. 3:

1. Unfold the extraction arm in the direction of the arrow.
2. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
3. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.

Fig. 2:

1. Considering the internal spring, it is important to turn the socket pipe in the direction of the arrow and that the fingerscrews (!) are faced forward.
2. Place the socket pipe in the bracket and fasten the flange to the bracket with the screws.
3. Place the upper flange on the socket pipe and fasten it to the bracket with the included screws.
4. The two flanges are not fastened to the socket pipe. Therefore the extraction arm can be turned 190° in the wall bracket.

Fig. 1:

1. The wall bracket is in two parts. Mount the brackets solidly on the wall or column and close together. When mounting the wall bracket be aware of the considerable strain the operation of the am will transmit to the wall bracket.

Mounting Instructions

With gas spring

alsident® system
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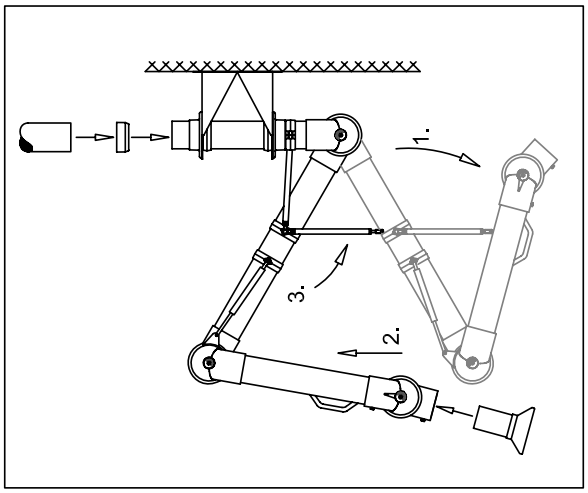

Fig. 3:

1. Unfold the extraction arm in the direction of the arrow (1).
2. Push the extraction arm towards vertical position. This enables the gas spring to be mounted (2).
3. Turn the up towards the fitting on the socket pipe and fasten it with the finger-screws (3).
4. Connect the extraction arm to the main ventilation duct with the Alsident® reducer. In order to turn the extraction arm, it is important not to fix the reducer to the socket pipe.
5. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pipe towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.

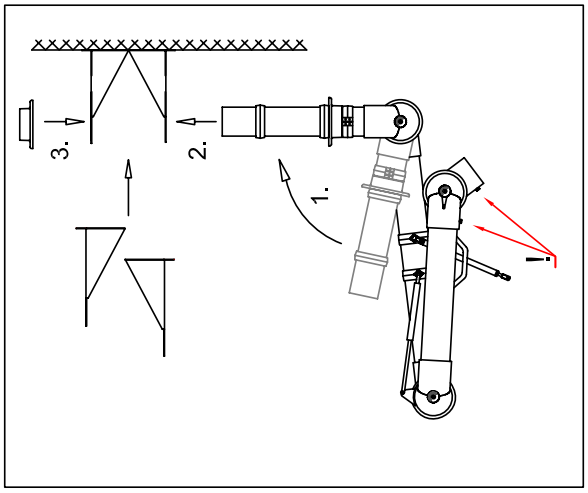

Fig. 2:

1. When unfolding the extraction arm, make sure the socket pipe is turned in the direction of the arrow and that the fingerscrews (!) are faced forward (1).
2. Place the socket pipe in the bracket and fasten the flange to the bracket with the screws (2).
3. Place the upper flange on the socket pipe and fasten it to the bracket with the included screws.
4. The two flanges are not fastened to the socket pipe. Therefore the extraction arm can be turned 190° in the wall bracket.

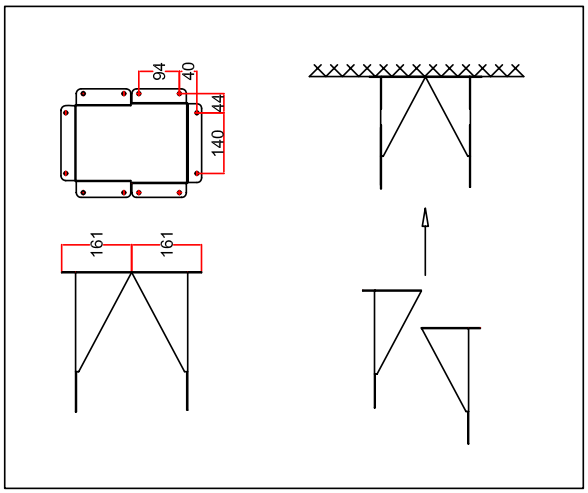

Fig. 1:

1. The wall bracket is in two parts. Mount the brackets solidly on the wall or column and close together. When mounting the wall bracket be aware of the considerable strain the operation of the am will transmit to the wall bracket.

Working Area

Ceiling mounted with Hood Ø200 mm

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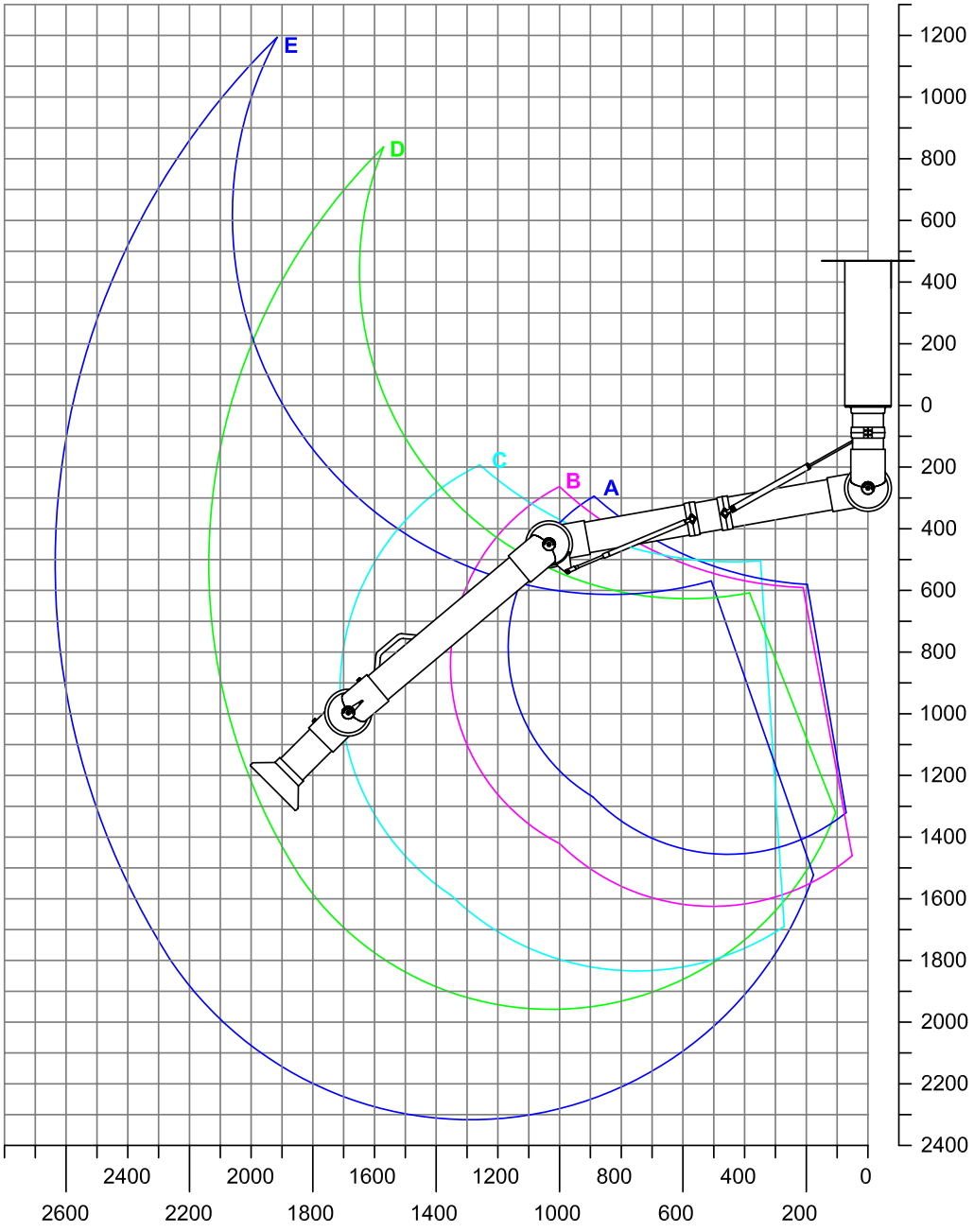


Accessory: Hood No. 1-10024-7-5

A: Model 100-5545-3-7-5 R: 1185 mm
B: Model 100-6555-3-7-5 R: 1370 mm
C: Model 100-9065-3-7-5 R: 1710 mm
D: Model 100-10585-3-7-5 R: 2130 mm
E: Model 100-135105-3-7-5 R: 2630 mm

The working area of the arm is defined from the center of the opening of the accessory.
The working area changes according to type of accessory and positioning.
When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.

(All measurements in mm)

Mounting Options

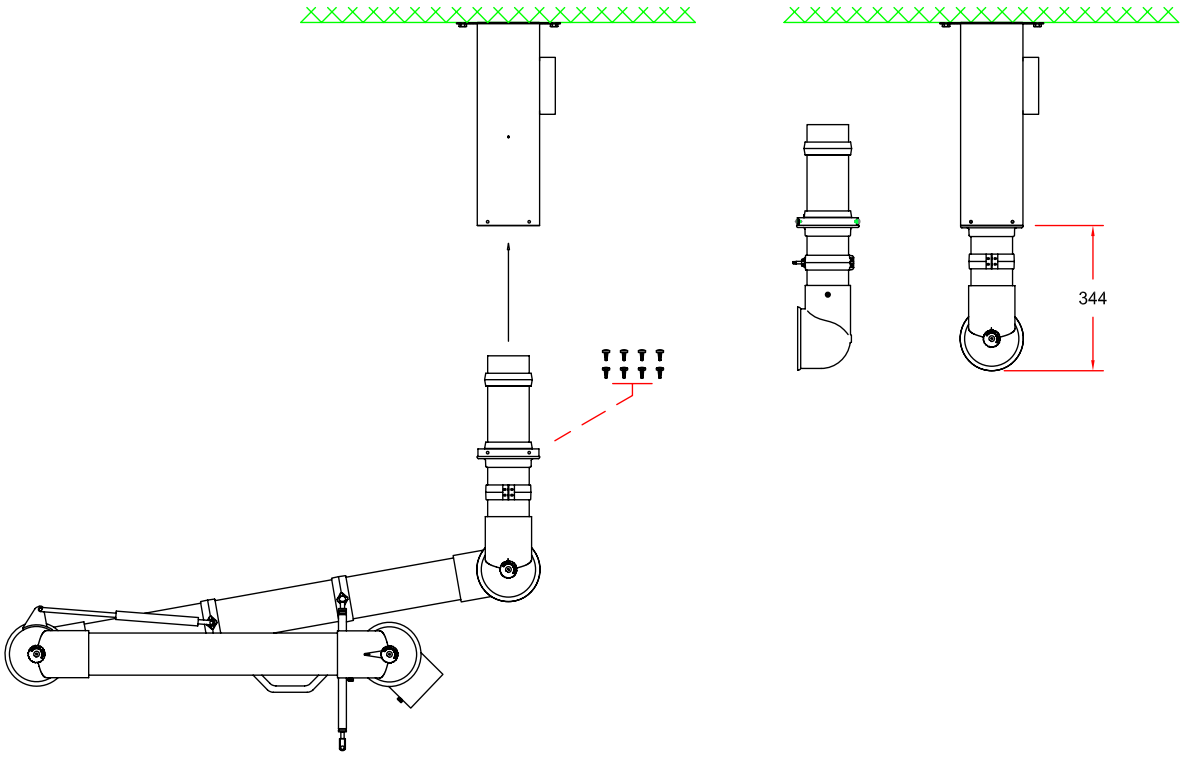
alsident® system
A cleaner working environment

Ceiling Mounting

Ceiling Mounting
System 100 extraction arm mounted in ceiling column with side connection.

Accessory
Ceiling coumn.
Part No. depending on length.

Dimensions



(all measurements in mm)

Ceiling Column

Technical Description

alsident® system
A cleaner working environment

Ceiling Columns

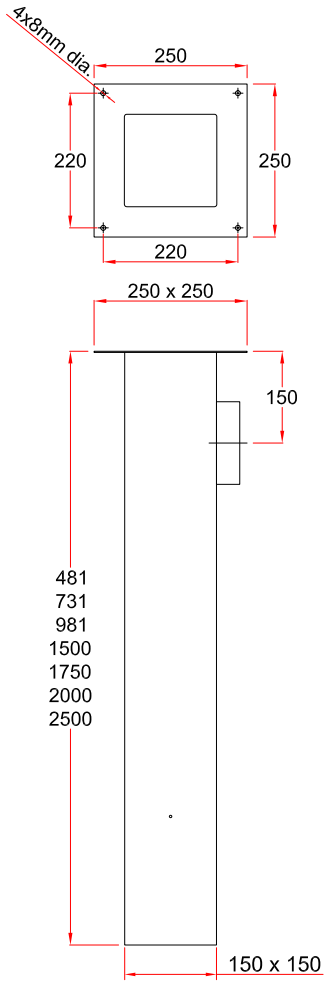
Used for mounting the System 100 ceiling mounted extraction arms.
The ceiling column is made of white polyester powder coated steel.
Available in several standard lengths with side connection to duct.

Other lengths, colours and acid-proof stainless steel (AISI 316L) available on request. Top connection also available on request.

Connection diameter: 125 mm

Length [mm]	Weight app. [kg]	White
500	4.0	2-100-500
750	5.5	2-100-750
1000	6.5	2-100-1000
1500	9.0	2-100-1500
1750	10.5	2-100-1750
2000	11.5	2-100-2000
2500	13.0	2-100-2500

Dimensions



(all measurements in mm)

Spare Parts

alsident® system
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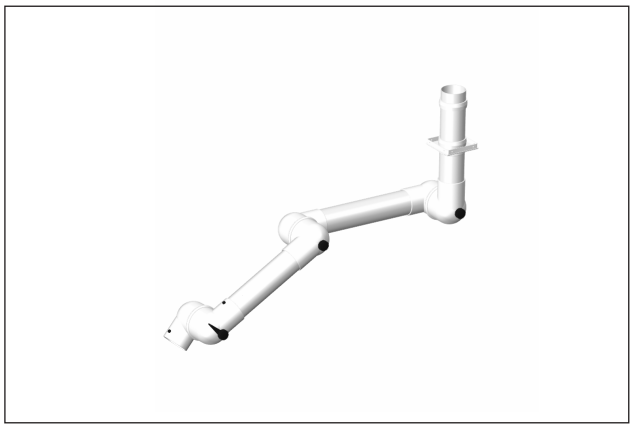
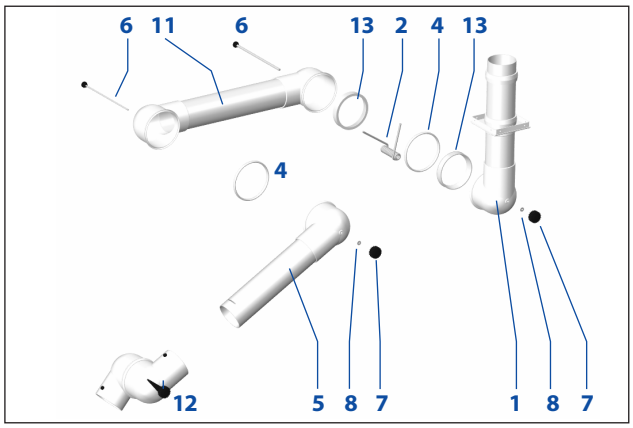
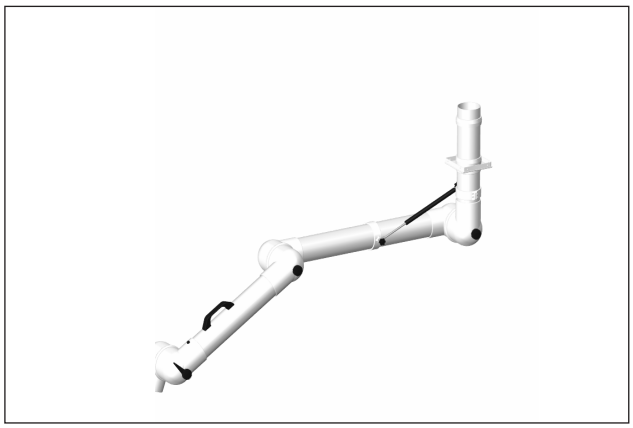
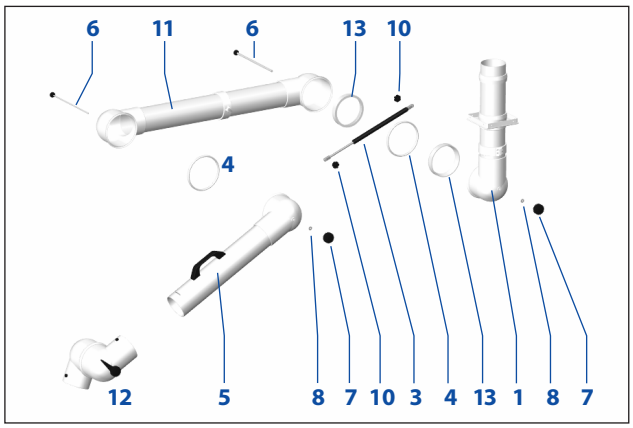
(A) 100-4540-3-7-5 (B) 100-5545-3-7-5 (C) 100-6555-3-7-5



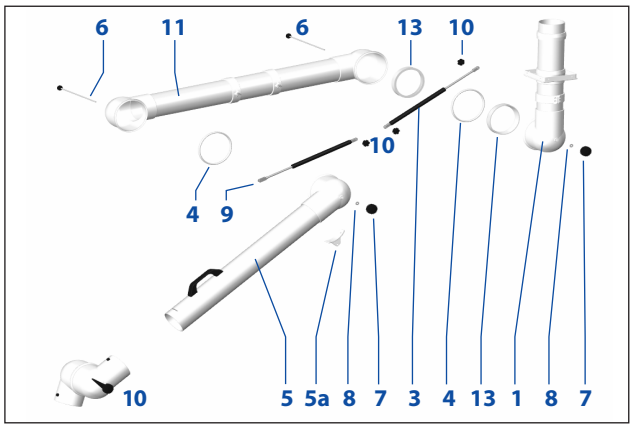


(D) 100-9065-3-7-5





(E) 100-10585-3-7-5 (F) 100-135105-3-7-5



For Spare Parts List – see next page.

Spare Parts List

alsident® system
A cleaner working environment

Pos.	Product No.	Joint
A	100-4540-3-7-5	3-joint
B	100-5545-3-7-5	3-joint
C	100-6555-3-7-5	3-joint
D	100-9065-3-7-5	3-joint
E	100-10585-3-7-5	3-joint
F	100-135105-3-7-5	3-joint

Pos.	Part No.	Description	A [Pieces applied]	B	C	D	E	F
1	3-10044-0-3-7-5	C-pipe 440, short	1	1	1			
1	3-10044-3-7-5	C-pipe 440, long				1	1	1
2	5-75-3-5-00	Spring 5 mm	1	1				
2	5-75-3-6,5-00	Spring 6,5 mm			1			
3	800-100-200-2-050	Gas spring 200N (pull)				1		
3	800-100-230-2-050	Gas spring 230N (pull)					1	
3	800-100-260-2-050	Gas spring 260N (pull)						1
4	5-133-10-5	O-ring	2	2	2	2	2	2
5	3-10040-9-7-5	B-pipe 400	1					
5	3-10045-9-7-5	B-pipe 450		1				
5	3-10055-9-7-5	B-pipe 550			1			
5	3-10065-9-7-5	B-pipe 650				1		
5	3-10085-9-7-5	B-pipe 850					1	
5	3-100105-9-7-5	B-pipe 1050						1
5a	4-100-01-5	Angle brace for joint B					1	1
6	5-100-268	Threaded Stay	2	2	2	2	2	2
7	5-100-5	Thumbscrew	2	2	2	2	2	2
8	800-7-5,2-18	Teflon washer	2	2	2	2	2	2
9	800-100-100-1-050	Gas spring 100 N (Push)					1	1
10	5-75-5	Thumbscrew, 5 mm				2	3	3
11	3-10045-8-7-5	A-pipe 450	1					
11	3-10055-8-7-5	A-pipe 550		1				
11	3-10065-8-7-5	A-pipe 650			1			
11	3-10090-8-7-5	A-pipe 900				1		
11	3-100105-8-7-5	A-pipe 1050					1	
11	3-100135-8-7-5	A-pipe 1350						1
12	4-100-5	Joint with Damper*	1	1	1	1	1	1
13	800-4-100-14	Reinforcement ring	2	2	2	2	2	2

*) Spare Parts List Joint with Damper – see General Information

When ordering spare parts please quote:

Product No.	e.g.	100-6555-3-7-5
Description	-	A-pipe 650
Part No.	-	3-10065-8-7-5
Quantity	-	1 pc.

If you wish to customize the arm with a spare part which is not a constituent part of the particular model, please contact your Alsident dealer.

Mounting Instructions

With internal spring

alsident® system
A cleaner working environment

Fig. 1:

1. The operation of the extraction arm will transmit a considerable strain to the column. The column must therefore be mounted on a solid ceiling.

Fig. 2:

1. Considering the internal spring, it is important to turn the socket pipe in the direction of the arrow and that the fingerscrews (!) are faced forward.
2. Place the socket pipe in the column. Turn the guide on the socket pipe until it falls into place in the column and fasten with the included screws.
3. The extraction arm can now be turned 360° in the column.

Fig. 3:

1. For side connection (fig. 3a) the main ventilation duct (100 mm dia.) can be connected to the outl on the side of the column with a nipple - or direc to the outlet.
   For top connection the main ventilation duct is p through the ceiling and directly into the column. Make sure to seal the gap between the ceiling a duct with a filler.
2. Unfold the extraction arm in the direction of the arrow.
3. Place the connection pipe of the accessory in th joint. Turn the slit on the connection pope towar the small fingerscrew. When screwed in the fing screw will hold the accessory in place in the joint
4. Finally make sure the damper is open.
5. The extraction arm is now ready for use.

Mounting Instructions

With gas spring

alsident® system
A cleaner working environment

Fig. 3:

1. For side connection (fig. 3a) the main ventilation duct (100 mm dia.) can be connected to the outlet on the side of the column with a nipple - or directly to the outlet.
   For top connection (fig. 3b) the main ventilation duct is put through the ceiling and directly into the column. Make sure to seal the gap between the ceiling and duct with a filler.
2. Unfold the extraction arm in the direction of the arrow (1).
3. Push the extraction arm towards vertical position. This enables the gas spring to be mounted (2).
4. Turn the gas spring up towards the fitting on the socket pipe and fasten it wiht the fingerscrews (3).
5. Place the connection pipe of the accessory in the joint. Turn the slit on the connection pope towards the small fingerscrew. When screwed in the fingerscrew will hold the accessory in place in the joint.
6. Finally make sure the damper is open.
7. The extraction arm is now ready for use.

Fig. 2:

1. When unfolding the extraction arm, make sure the socket pipe is turned in the direction of the arrow and that the fingerscrews (!) are faced forward (1).
2. Place the socket pipe in the column. Turn the guide on the socket pipe until it falls into place in the column and fasten with the included screws (2).
3. The extraction arm can now be turned 360° in the column.

Fig. 1:

1. The operation of the extraction arm will transmit a considerable strain to the column.
   The extension/column must therefore be mounted on a solid ceiling.