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The Future of Laboratory Design

EXTRACTION ARMS
Selection Guide

CFM Requirements - Extraction Arm Systems 100, 75, 63, 50

☐ ALSIDENT® System 100

Suited for air volumes between 140-400 m3/h (80-235 CFM).

The largest diameter extraction arm in the ALSIDENT® range, System 100 is designed for applications requiring higher airflow and extraction capacity. It is well suited for laboratories, industrial processes, and other work areas where larger volumes of airborne contaminants need to be captured at the source.

☐ ALSIDENT® System 75

Suited for air volumes between 80-180 m3/h (45-105 CFM).

System 75 provides strong extraction capacity in a more compact arm diameter. Its airflow range makes it a versatile choice for laboratory and technical workstations requiring effective source capture without the higher airflow requirements of System 100.

☐ ALSIDENT® System 63

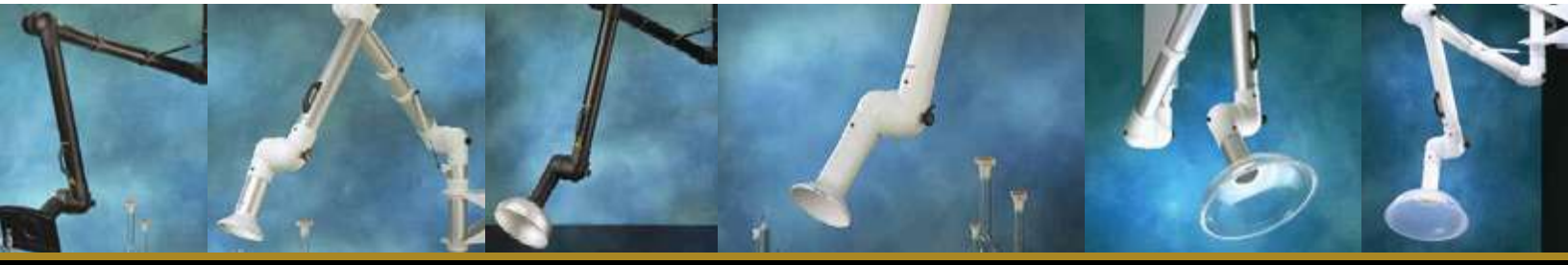
Suited for air volumes between 60-120 m3/h (35–71 CFM).

System 63 offers a balanced combination of extraction capacity and compact size. Designed for moderate airflow requirements, it is well suited for laboratory benches, educational facilities, and technical workstations where localized source capture is required.

☐ ALSIDENT® System 50

Suited for air volumes between 45-85 m3/h (25-50 CFM).

The most compact diameter in the ALSIDENT® range, System 50 is designed for applications with lower airflow requirements and highly localized extraction. Its smaller profile makes it ideal for workstations where space is limited or where extraction is needed close to the source.



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Material Options - Extraction Arm Systems 100, 75, 63, 50

Aluminum (AL)

For Most Applications

ALSIDENT® AL is used in environments with no special demands for chemical resistance or conductivity. The ALSIDENT® AL extraction arms consist of aluminium tubes and joints of red, white or black Polypropylene (PP).

Antistatic (AS)

For ESD or EX-environments

ALSIDENT® AS extraction arms are used in environments with special demands for conductivity, e.g. in sensitive ESD-environments or in environments with explosive atmosphere. The extraction arms are delivered with earthing wire. The tubes and joints of the antistatic version are made of black conductive Polypropylene (PP).

ALSIDENT® AS has been tested and approved for use in ESD-environments according to IEC 61340-5-1. ALSIDENT® SYSTEM 100 has also been approved for use in explosive areas and is marked:
EX II 1 GD

Chemical Resistant (PP)

For aggressive areas

The ALSIDENT® Chemical Resistant (PP) extraction arms are used in work areas with special requirements for chemical resistance because of the type of pollution, e.g. chemical fumes. The tubes and joints of this material version are made of white Polypropylene (PP).

	AL	AS	PP
Tubes – Ø 100 mm / 4“	Anodized Aluminium	Conductive Polypropylene (PP)	Polypropylene (PP)
Joints and flanges	Polypropylene (PP)	Conductive Polypropylene (PP)	Polypropylene (PP)
Threaded stay and springs	Acid-proof stainless steel	Acid-proof stainless steel 1)	Acid-proof stainless steel 1)
Gas springs	Steel	Steel	Steel
O-rings	Polypropylene (PP)	Conductive Polypropylene (PP)	Polypropylene (PP)

1) AISI 316L

Product Overview - Extraction Arm System 100

ALSIDENT® System 100 Extraction Arms – Ø 100 mm / 4”

	Reach [mm / “]	Basic Article no.	AL (aluminum)	PP (white)	AS (black)
			◔	○	●
TABLE MOUNTED - 2 JOINTS					
	795 / 31.30	100-55-1- 3)	5	7-5	6
TABLE MOUNTED - 3 JOINTS					
	1040 / 40.94	100-4540-1- 3)	5	7-5	6
	1185 / 46.65	100-5545-1- 3)	5	7-5	6
	1370 / 53.94	100-6555-1- 3)	5	7-5	6
	1710 / 67.32	100-9065-1- 1) 3)	5	7-5	6
	2130 / 83.86	100-10585-1- 2) 3)	5	7-5	6
WALL MOUNTED - 2 JOINTS					
	795 / 31.30	100-55-2- 3)	5	7-5	6
WALL / CEILING MOUNTED - 3 JOINTS					
	1185 / 46.65	100-5545-3- 4)	5	7-5	6
	1370 / 53.94	100-6555-3- 4)	5	7-5	6
	1710 / 67.32	100-9065-3- 1) 4)	5	7-5	6
	2130 / 83.86	100-10585-3- 2) 4)	5	7-5	6
	2630 / 103.54	100-135105-3- 2) 4)	5	7-5	6

1) With one external gas spring
2) With two external gas springs
3) For Wall Bracket 2-10035
4) For Square Wall Bracket 2-100-203 – *see next page >>*

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EXTRACTION ARMS
Selection Guide

Accessories Overview - Extraction Arm System 100

System 100 Hoods

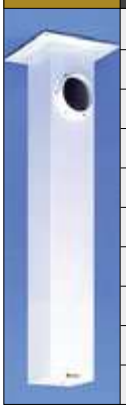
Hood	Dim. [mm / "]	Basic Article no.	AL (aluminum) ◐	PP (white) ○	AS (black) ●
	Dia.: 200 / 8	1-10024	- 1)	☒	6**
	Dia.: 200 / 8	1-10024-	5	7-5	☒
	Dia.: 385 / 15	1-10035-	5*	7-5	6
	Dia.: 500 / 20	1-10050-	5*	7-5	6
	Dia: 350 / 14	1-10036-	5	☒	6**
	Dia: 350 / 14	1-10036-5-	5	☒	☒
	420 x280 / 16.5x11	1-1004228-	5*	7-5	6

*) PETG: Polyethylene terephthalate, glycol modified
**) TCP: Chromated Aluminium *(Trivalent Chromium Passivation)*
1) Suitable for autoclaving
2) Black on request
3) For PP tubes

- *Only one colour*
☒ *Not available*

System 100 Brackets

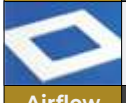
Bracket / U-Profile	Description	Article no.	Colour
	Wall Bracket	2-10035-22	Stainless Steel
	Square Wall Bracket	2-100-203	White
	U-Profile	30-100-5	White

Ceiling Column	Length [mm / "]	Article no.	Connection	
			Side	Top
	500 / 20 (white)	2-100-500	80	20
	500 / 20 (black)	2-100-500-050	80	20
	750 / 30 (white)	2-100-750	80	20
	750 / 30 (black)	2-100-750-050	80	20
	1000 / 40 (white)	2-100-1000	80	20
	1000 / 40 (black)	2-100-1000-050	80	20
	1250 / 50 (white)	2-100-1250 2)	80	20
	1500 / 60 (white)	2-100-1500 2)	80	20
	1750 / 70 (white)	2-100-1750 2)	80	20
	2000 / 80 (white)	2-100-2000 2)	80	20

System 100 Other Accessories

Reducer	Diam. of Pipe [mm / "]	Article no.	Colour
	100-125	4-100125	White
		4-100125-6	Black
Protective Grill	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	100	5-18	White
		5-18-6	AS (Black)
		5-18-7 3)	PP (White)

ALSIDENT® SYSTEM 100 consists of three parts to be ordered separately: Extraction arm, hood and bracket. For further information about accessories, please contact Canadian Scientific.

Support Bracket	Size [mm / "]	Article no.	Colour
	250 x 250 / 10 x 10	2-100-5	White
Cover Flange	**Size [mm / "]**	**Article no.**	**Colour**
	250 x 250 / 10 x 10	4-250-250	White
Airflow Alarm	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	Audible and visual alarm at airflow below 4 m/sec.	10-01	As photo

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Product Overview - Extraction Arm System 75

ALSIDENT® System 75 Extraction Arms – Ø 75 mm / 3”

	Reach [mm / “]	Basic Article no.	AL Colour of Joints: ●	AL Colour of Joints: ○	PP Colour of Joints: ●	PP Colour of Joints: ○	AS (black) ●
TABLE MOUNTED - 2 JOINTS							
	550 / 21.65	75-35-1-	4	5	7-4	7-5	6
	650 / 25.59	75-45-1-	4	5	7-4	7-5	6
	750 / 29.53	75-55-1-	4	5	7-4	7-5	6
TABLE MOUNTED - 3 JOINTS							
	830 / 32.68	75-3535-1-	4	5	7-4	7-5	6
	1105 / 43.50	75-5545-1-	4	5	7-4	7-5	6
	1290 / 50.79	75-6555-1-	4	5	7-4	7-5	6
	1620 / 63.78	75-9065-1-	4	5	7-4	7-5	☒
WALL AND CEILING MOUNTED - 3 JOINTS							
	795 / 31.30	75-3535-3-	4	5	7-4	7-5	6
	1200 / 47.24	75-3590-3-	4	5	7-4	7-5	6
	1060 / 41.73	75-5545-3-	4	5	7-4	7-5	6
	1230 / 48.43	75-6555-3-	4	5	7-4	7-5	6
	1550 / 61.02	75-9065-3-	4	5	7-4	7-5	22-6 1)
	1660 / 65.35	75-9065-3-22- 1)	4	5	7-4	7-5	22-6 1)
	1730 / 68.11	75-9090-3-	4	5	☒	☒	☒
	1990 / 78.35	75-9090-3-22- 2)	4	5	7-4	7-5	6

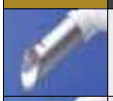
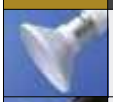
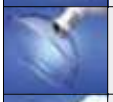
1) With one external spring
2) With two external springs

☒ *Not available*
● *= red joints*
○ *= white joints*

ALSIDENT® SYSTEM 75 consists of three parts to be ordered separately: Extraction arm, hood and bracket. For further information about accessories, please contact Canadian Scientific.

Accessories Overview - Extraction Arm System 75

System 75 Pens, Nozzle, Hoods

Suction Pen	Length [mm / "]	Basic Article no.	AL Colour Parts: ●	AL Colour Parts: ○	PP Colour Parts: ●	PP Colour Parts: ○	AS (Black) ●
	250 / 9.84	1-7525	--				
	250 / 9.84	1-7525-			7-4	7-5	6
	250 / 9.84	1-7526-	4	5			
Suction Nozzle	**Width [mm / "]**	**Basic Article no.**	**AL Colour Parts: ●**	**AL Colour Parts: ○**	**PP Colour Parts: ●**	**PP Colour Parts: ○**	**AS (Black) ●**
	250 / 9.84	1-7525	4	5			
Hood	**Dim. [mm / "]**	**Basic Article no.**	**AL Colour Parts: ●**	**AL Colour Parts: ○**	**PP Colour Parts: ●**	**PP Colour Parts: ○**	**AS (Black) ●**
	Dia.: 200 / 8	1-7524-	4	5	7-4	7-5	
	Dia.: 200 / 8	1-7524-					6
	Dia.: 200 / 8	1-7524 1)	-	-			
	420x320 / 16.54x 12.60	1-754232-	4*	5*	7-4	7-5	
	Dia: 280 / 11	1-7528-	4*	5*			
	Dia.: 385 / 15	1-7535-	4*	5*	7-4	7-5	6
	330x240 / 13x9.45	1-753324-	4	5	7-4	7-5	6

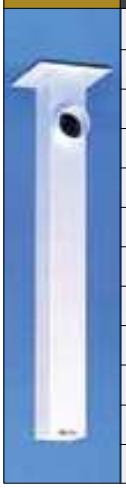
*) PETG: Polyethylene terephthalate, glycol modified

1) Suitable for autoclaving
2) Black on request
3) For PP tubes

- *Only one colour*
- *Not available*
- ● *= red plastic parts*
- ○ *= white plastic parts*

System 75 Brackets

Bracket / U-Profile	Description	Article no.	Colour
	Table bracket	2-7510	White
	U-profile	30-75-5	White
	Wall Bracket	2-195	White
		2-195-050	Black

Ceiling Column	Length [mm / "]	Article no.	Connection Side	Connection Top
	250/10 (white)	2-250-		20
	250/10 (black)	2-250-050-		20
	500 / 20 (white)	2-500-	80	20
	500 / 20 (black)	2-500-050-	80	20
	750 / 30 (white)	2-750-	80	20
	750 / 30 (black)	2-750-050-	80	20
	1000 / 40 (white)	2-1000-	80	20
	1000 / 40 (black)	2-1000-050-	80	20
	1250 / 50 (white) 2)	2-1250-	80	20
	1500 / 60 (white) 2)	2-1500-	80	20
	1750 / 70 (white) 2)	2-1750-	80	20
	2000 / 80 (white) 2)	2-2000-	80	20

System 75 Other Accessories

Please see the next page >>

Accessories Overview - Extraction Arm System 75 Cont'd

System 75 Other Accessories

Reducer	Diam. of Pipe [mm / "]	Article no.	Colour
	80-75 / 3.15-2.95	4-8075	White
	80-75 / 3.15-2.95	4-8075-6	Black
	100-75 / 3.94-2.95	4-10075	White
	100-75 / 3.94-2.95	4-10075-6	Black
Protective Grill	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	75	5-17	White
		5-17-6	AS (Black)
		5-17-7 3)	PP (White)

Support Bracket	Size [mm / "]	Article no.	Colour
	200 x 200 / 8 x 8	4-75-5	White
Cover Flange	**Size [mm / "]**	**Article no.**	**Colour**
	200 x 200 / 8 x 8	4-200-200	White
Airflow Alarm	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	Audible and visual alarm at airflow below 4 m/sec.	10-01	As photo

*) PETG: Polyethylene terephthalate, glycol modified

1) Suitable for autoclaving
2) Black on request
3) For PP tubes

ALSIDENT® SYSTEM 75 consists of three parts to be ordered separately: Extraction arm, hood and bracket. For further information about accessories, please contact Canadian Scientific.

Product Overview - Extraction Arm System 63

ALSIDENT® System 63 Extraction Arms – Ø 63 mm / 2.5”

	Reach [mm / “]	Basic Article no.	PP (white)
			○
TABLE MOUNTED - 2 JOINTS			
	530 / 20.87	63-35-1-	7-5
	630 / 24.80	63-45-1-	7-5
	730 / 28.74	63-55-1-	7-5
TABLE MOUNTED - 3 JOINTS			
	800 / 31.50	63-3535-1-	7-5
	1080 / 42.52	63-5545-1-	7-5
WALL AND CEILING MOUNTED - 3 JOINTS			
	760 / 29.92	63-3535-3-	7-5
	1120 / 44.09	63-3590-3-	7-5
	1025 / 40.35	63-5545-3-	7-5
	1190 / 46.85	63-6555-3-	7-5
	1500 / 59.06	63-9065-3-	7-5

ALSIDENT® SYSTEM 63 consists of three parts to be ordered separately: Extraction arm, hood and bracket. For further information about accessories, please contact Canadian Scientific.

Accessories Overview - Extraction Arm System 63

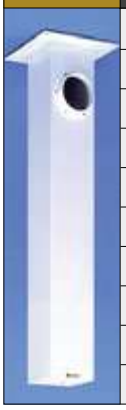
System 63 Pen, Hoods

Suction Pen	Length [mm / "]	Basic Article no.	PP Colour Parts: ○
	250 / 9.84	1-6325-7-	-5
Hood	**Dim. [mm / "]**	**Basic Article no.**	**PP Colour Parts: ○**
	300 x 250 / 11.61 x 9.84*	1-632422-	5
	Dia: 280 / 11.02*	1-6328-	5
	Dia.: 385 / 15.16*	1-6335-	5
	Dia.: 385 / 15.16	1-6335-7-	5
	330 x 240 / 12.99 x 9.45*	1-633324-	5
	330 x 240 / 12.99 x 9.45	1-633324-7-	5

*) PETG: Polyethylene terephthalate, glycol modified

System 63 Brackets

Bracket / U-Profile	Description	Article no.	Colour
	Wall Bracket	2-10035	White
		2-10035-22	Stainless Steel
	Square Wall Bracket	2-100-203	White
	U-Profile	30-100-5	White

Ceiling Column	Length [mm / "]	Article no.	Connection	
			Side	Top
	500 / 20 (white)	2-100-500	80	20
	500 / 20 (black)	2-100-500-050	80	20
	750 / 30 (white)	2-100-750	80	20
	750 / 30 (black)	2-100-750-050	80	20
	1000 / 40 (white)	2-100-1000	80	20
	1000 / 40 (black)	2-100-1000-050	80	20
	1250 / 50 (white)	2-100-1250 2)	80	20
	1500 / 60 (white)	2-100-1500 2)	80	20
	1750 / 70 (white)	2-100-1750 2)	80	20
	2000 / 80 (white)	2-100-2000 2)	80	20

System 63 Other Accessories

Reducer	Diam. of Pipe [mm / "]	Article no.	Colour
	80-63 / 3.15-2.48	4-8063-5	White
	100-63 /3.94-2.48	4-10063-5	White
Support Bracket	**Size [mm / "]**	**Article no.**	**Colour**
	200 x 200 / 8 x 8	4-200-200	White

Cover Flange	Size [mm / "]	Article no.	Colour
	200 x 200 / 8 x 8	4-200-200	White
Airflow Alarm	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	Audible and visual alarm at airflow below 4 m/sec.	10-01	As photo

Product Overview - Extraction Arm System 50

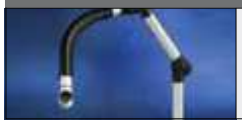
ALSIDENT® System 50 Extraction Arms – Ø 50 mm / 2”

	Reach [mm / “]	Basic Article no.	AL + Colour of Joints			AS
			●	○	●	●
TABLE MOUNTED - 2 JOINTS						
	445 / 17.52	50-27-1-	4	5	050	6
	545/ 21.46	50-37-1-	4	5	050	6
	645 / 25.39	50-47-1-	4	5	050	6
	745 / 29.33	50-57-1-	4	5	050	6
TABLE MOUNTED - 3 JOINTS						
	765 / 30.12	50-3727-1-	4	5	050	6
	945 / 37.20	50-4737-1-	4	5	050	6
	1125 / 44.29	50-5747-1-	4	5	050	6
	1425 / 56.10	50-8747-1-	4	5	050	6
WALL / CEILING MOUNTED - 2 JOINTS						
	430 / 16.93	50-27-3-	4	5	050	
	530 / 20.87	50-37-3-	4	5	050	6
	630 / 24.80	50-47-3-	4	5	050	6
	730 / 28.74	50-57-3-	4	5	050	
WALL / CEILING MOUNTED - 3 JOINTS						
	750 / 29.53	50-3727-3-	4	5	050	6
	910 / 35.83	50-4737-3-	4	5	050	6
	1125 / 44.29	50-4767-3-	4	5	050	
	1080 / 42.52	50-5747-3-	4	5	050	6
	1380 / 54.33	50-8747-3-	4	5	050	6
	1660 / 65.35	50-8787-3-	4	5	050	

● = red joints ● = black joints ○ = white joints ☒ Not available

Product Overview - Extraction Arm System 50

ALSIDENT® System 50 Flex Extraction Arms

	Reach [mm / "]	Basic Article no.	AL + Colour of Joints			AS (black)
			●	○	●	●
TABLE MOUNTED - 2 JOINTS						
	600 / 23.62	50-1-23-	4	5	050	6
TABLE MOUNTED - 1 JOINT						
	700 / 27.56	50-21-1-23-	4	5	050	6
TABLE MOUNTED - 2 JOINTS						
	900 / 35.43	50-3721-1-23-	4	5	050	6

● = red joints ● = black joints ○ = white joints ☒ Not available

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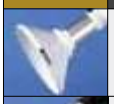
EXTRACTION ARMS
Selection Guide

Accessories Overview - Extraction Arm System 50

System 50 Pens, Nozzles, Hoods

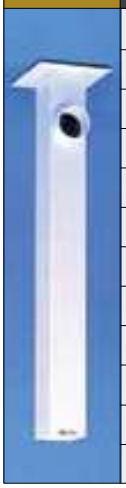
Suction Pen	Length [mm / "]	Basic Article no.	AL			AS (black)
			🔴	○	●	●
	210 / 8	1-5021-	-	-	-	6
	310 / 12	1-5031-	-	-	-	6
	210 / 8	1-5022-	4	5	☒	☒
	310 / 12	1-5032-	4	5	☒	☒

Suction Nozzle	Width [mm / "]	Basic Article no.	AL			AS (Black)
			🔴	○	●	○
	100 / 4	1-5010-	4	5	☒	5
	200 / 8	1-5020-	4	5	☒	5

Hood	Dim. [mm / "]	Basic Article no.	AL Colour Parts:			AS (Black)
			🔴	○	●	○
	Dia.: 200 / 8	1-5024-	4	5	☒	☒
	Dia.: 200 / 8	1-5024-	☒	☒	☒	6
	300x250 / 10x9	1-502422-	4*	5*	050*	☒
	265x170 / 8x6	1-502015-	4*	5*	050*	☒
	Dia: 280 / 11	1-5028-	4*	5*	050*	☒
	Dia.: 385 / 15	1-5035-	4*	5*	050*	6
	330x240 / 13x9	1-503324-	4*	5*	050*	6

System 50 Brackets

Bracket / U-Profile	Description	Article no.	Colour
	Table bracket	2-5010	White
		2-5010-050	Black
	U-profile	30-50-5	White
	Wall Bracket	2-195	White
		2-195-050	Black

Ceiling Column	Length [mm / "]	Article no.	Connection	
			Side	Top
	250/10 (white)	2-250-	80	20
	250/10 (black)	2-250-050-	80	20
	500 / 20 (white)	2-500-	80	20
	500 / 20 (black)	2-500-050-	80	20
	750 / 30 (white)	2-750-	80	20
	750 / 30 (black)	2-750-050-	80	20
	1000 / 40 (white)	2-1000-	80	20
	1000 / 40 (black)	2-1000-050-	80	20
	1250 / 50 (white) **	2-1250-	80	20
	1500 / 60 (white) **	2-1500-	80	20
	1750 / 70 (white) **	2-1750-	80	20
	2000 / 80 (white) **	2-2000-	80	20

*) PETG: Polyethylene terephthalate, glycol modified
**) Black on request

- [-] *Only one colour*
- ☒ *Not available*
- 🔴 *= red parts*
- ● *= black parts*
- ○ *= white parts*

System 50 Other Accessories

Please see the next page >>

Accessories Overview - Extraction Arm System 50 Cont'd

System 50 Other Accessories

Reducer	Diam. of Pipe [mm / "]	Article no.	Colour
	63-50 / 2.48-1.97	4-6350	White
	63-50 / 2.48-1.97	4-6350-6	Black
	80-50 /3.15-1.97	4-8050	White
	80-50 / 3.15-1.97	4-8050-6	Black
Protective Grill	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	50 / 1.97	5-16	White
	50 / 1.97	5-16-6	Black

Support Bracket	Size [mm / "]	Article no.	Colour
	200 x 200 / 8 x 8	2-75-5	White
Cover Flange	**Size [mm / "]**	**Article no.**	**Colour**
	200 x 200 / 8 x 8	4-200-200	White
Airflow Alarm	**Diam. of Pipe [mm / "]**	**Article no.**	**Colour**
	Audible and visual alarm at airflow below 4 m/sec.	10-01	As photo

ALSIDENT® SYSTEM 50 consists of three parts to be ordered separately: Extraction arm, hood and bracket. Alsident® System 50 Flex consists of two separate parts to be ordered: Extraction arm and table bracket if needed. For further information about accessories, please contact Canadian Scientific.