



# ALSIDENT<sup>®</sup> SYSTEM 100

Powerful fume extraction arm for heavy-duty tasks





## **Local Exhaust – for a cleaner working environment**

**Installation of individual fume extraction systems at the source of the pollutant during the working process prevents the spread of polluted air into the surroundings. A local exhaust system is therefore the best solution for a clean working environment.**

### **User-friendly extraction arm**

ALSIDENT® SYSTEM fume extraction arms are self-sustaining with internal threaded stays and bearing springs. (The longest types of System 100 arms are equipped with external gas springs instead of internal springs). This construction constitutes a very user-friendly fume extraction arm that is easy to adjust to the source of the pollutant during the working process.

### **Easy maintenance and long durability**

The only maintenance an ALSIDENT® SYSTEM extraction arm needs is cleaning according to requirements. It is easy to disassemble the arm and reassemble it after cleaning without the need for tools. All ALSIDENT® SYSTEM extraction arms are made of high-quality materials ensuring easy maintenance and long durability. All plastic parts are made of shock-proof Polypropylene (PP). The aluminium parts are anodized and the internal and external surfaces of all brackets are powder coated. Threaded stays, springs and finger screws are made of acid-proof stainless steel ensuring long durability in aggressive environments. All O-rings are maintenance-free.

### **Measurements of pressure drop and efficiency**

The Danish Technological Institute has measured the sound level, pressure drop and efficiency of the ALSIDENT® SYSTEM extraction arms. Please contact your dealer, ALSIDENT® SYSTEM A/S or visit [www.alsident.com](http://www.alsident.com) for test results, dimensioning diagrams and installation heights.

# **ALSIDENT® SYSTEM – Long reach –**

### **Applications**

**ALSIDENT® SYSTEM 100 is suited for air volumes between 140-400 m<sup>3</sup>/h (80-235 CFM).**

Depending on material version, ALSIDENT® SYSTEM 100 is very applicable in trades such as laboratories, hospitals, chemical industries, and pharmaceutical industries and the food industry, universities and machine shops where a large capacity is needed.

### **Adjusted to the work conditions**

The ALSIDENT® SYSTEM 100 extraction arms are quickly mounted with standard brackets for table, wall or ceiling.

The standard ALSIDENT® SYSTEM 100 is available in various types that are complementary to each other with reaches up to 2,630 mm. Therefore it is possible to choose an extraction arm applicable for each work situation. See insert for further information.

### **Material versions**

ALSIDENT® SYSTEM 100 is available in three material versions – aluminium (AL), antistatic (AS) and chemical resistant (CR). The choice of material version depends on each work process and type of pollution.



# M 100

## - three material versions

### Aluminium (AL)

#### – For most applications

ALSIDENT® SYSTEM 100 AL is used in environments with no special demands for chemical resistance or conductivity. The ALSIDENT® SYSTEM 100 AL extraction arms consist of aluminium tubes and joints of white Polypropylene (PP).

### Antistatic (AS)

#### – for ESD or EX-environments

ALSIDENT® SYSTEM 100 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 equipped with an earth wire with a resistance of 1MΩ. The tubes and joints of the antistatic version are made of black conductive Polypropylene (PP).

ALSIDENT® SYSTEM 100 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® SYSTEM 100 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).

### Customized solutions

#### – short delivery time

In addition to the standard range, ALSIDENT® SYSTEM 100 also offers special customized solutions. Please contact your ALSIDENT® dealer to find the best solution. ALSIDENT® offers short delivery time for both standard products and special solutions.

### Materials

	System 100 AL	System 100 AS	System 100 PP
<b>Tubes - Ø100 mm</b>	Anodized Aluminium	Conductive Polypropylene (PP)	Polypropylene (PP)
<b>Joints and flanges</b>	Polypropylene (PP)	Conductive Polypropylene (PP)	Polypropylene (PP)
<b>Threaded stay and springs</b>	Acid-proof stainless steel <sup>1)</sup>	Acid-proof stainless steel <sup>1)</sup>	Acid-proof stainless steel <sup>1)</sup>
<b>Gas springs</b>	Steel <sup>2)</sup>	Steel <sup>2)</sup>	Steel <sup>2)</sup>
<b>O-rings</b>	Polypropylene (PP)	Conductive Polypropylene (PP)	Polypropylene (PP)

1) AISI 316L 2) Also available in stainless steel



## Accessories for ALSIDENT® SYSTEM 100

### ... a wide selection of hoods and brackets

The range of accessories for ALSIDENT® SYSTEM 100 includes mounting brackets, hoods and reducer.

The mounting brackets are made of powder coated steel. The bracket versions are either U-profiles for fixing on a table, wall brackets or a wide selection of columns and extensions for ceiling mounting. The ceiling columns are available in 3 standard lengths of 500 mm, 750 mm and 1000 mm (20", 30" and 40").

The reducer is made of Polypropylene (PP) and is used in the connection from the extraction arm to the ventilation system.

The selection of hoods for the 3 material versions of ALSIDENT® SYSTEM 100 is very wide. It offers the best solution for adapting the choice

of hoods to the workplace in question and the type of pollution.

The choice of hood material depends on model and material version. The hoods for the ALSIDENT® SYSTEM 100 Aluminium arms are available in the following materials: transparent PETG (polyethyleneterephthalate), anodized or powder coated aluminium.

The hoods for ALSIDENT® SYSTEM 100 antistatic arms are available in conductive Polypropylene (PP) or chromated aluminium and hoods for ALSIDENT® SYSTEM 100 PP are made of white Polypropylene (PP).

See insert for further information.

Please also feel free to visit [www.alsident.com](http://www.alsident.com) or contact your dealer.

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**alsident®  
system**  
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### System 100 Extraction Arms

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

1) With one external gas spring

2) With two external gas springs

ALSIDENT® SYSTEM 100 consists of three parts to be ordered separately: Extraction arm, hood and bracket.

Article no. of hoods and brackets  
– please see opposite page.

For further information about accessories, please visit:  
[www.alsident.com](http://www.alsident.com)



### Hoods

HOOD	Dim. [mm/"]	Basic Article no.	ALU (as photo)	PP (white)	AS (black)
			○	○	●
	Dia.: 200 / 8	1-10024*	-	✗	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.: 360 / 14	1-10036-	5	✗	6
	Dia.: 360 / 14	1-10036-	5-5	✗	✗
	420 x280 / 16.54x11	1-1004228-	5	7-5	6

\*) Suitable for autoclaving

- Only one colour
- Not available

### Brackets

BRACKET / U-PROFILE	Description	Article no.	Colour
	Wall Bracket	2-10035	white ○
		2-10035-22	stainless steel ●
	U-profile	30-100-5	white ○
CEILING COLUMN	Length [mm/"]	Article no.	Colour
	500 / 20	2-100-500	white ○
	750 / 30	2-100-750	white ○
	1000 / 40	2-100-1000	white ○

### Other Accessories

REDUCER	Diameter of pipe [mm/"]	Article no.	Colour
	100-125	4-100125	white ○
		4-100125-050	black ●
PROTECTIVE GRILL	Diameter of pipe [mm/"]	Article no.	Colour
	100	5-18	white ○
		5-18-6	AS (black) ●
		5-18-7	PP (white) ○

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