



## Product description



### System 50 – Antistatic

#### Alsident® System 50 AS – Airflow between 45 – 85 m<sup>3</sup>/h.

System 50 Antistatic is particularly suitable in non-aggressive areas and where static electricity must be avoided eg electronics industries and technical schools.

The standard Alsident® System 50 Antistatic extraction arms are available in various types that are complementary to each other with reaches up to 1,380 mm. The System 50 extraction arms are quickly mounted with standard brackets for table, wall or ceiling. In combination with the wide range of hood designs it is possible to choose an extraction arm adapted for almost any work situation.

Alsident® System 50 Antistatic extraction arms are self-sustaining with an internal bearing spring, TCP-chromated aluminium tubes and joints of Polypropylene with a diameter of 50 mm. All internal components are made of acid-proof stainless steel (AISI 316L). The TCP-chromated surface is corrosion protected and conductive. The TCP-chromation does not contain Chrome (VI). The construction constitutes a very user-friendly extraction arm which is easy to adjust to the source of the pollutant during the working process.

Alsident® System 50 Antistatic is approved for use in ESD-areas according to IEC 61340-5-1 and is therefore delivered with an earthing wire with a 1M $\Omega$  resistance. Further information is available in "Mounting" on the extraction arm or under "Technical Support" on our website.

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 50 AS 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 products and special solutions.

## Technical Specifications

<b>Recommended Airflow:</b>	Normal:	65 m <sup>3</sup> /h
	Minimum:	45 m <sup>3</sup> /h
	Maximum:	85 m <sup>3</sup> /h
<b>Air Temperature:</b>	-15°C – +90°C	
<b>Material:</b>	Pipes:	Chromated Aluminium (TCP)
	Joint:	Conductive Polypropylene (PP)
	O-Ring:	Conductive Polyethylene (PE)
	Flange:	Conductive Polypropylene (PP)
	Damper:	Polyethylene (PE)
	Thumbscrew:	Polypropylene (PP) – yellow
	Threaded Stay:	Acid-proof stainless steel (AISI 316L)
	Spring:	Acid-proof stainless steel (AISI 316L)

The antistatic version of System 50 is produced according to IEC 61340-5-1.

The extraction arm includes an earthing wire with a 1MΩ resistance.

<b>Abbr.:</b>	TCP:	Trivalent Chromium Passivation RoHS compatible surface treatment for aluminium
	PP:	Polypropylene Shatterproof and chemical resistant
	PE:	Polyethylene

Local extraction for workplaces inclusive all material for mounting.

All components RoHS-compatible according to the directive 2002/95/EF (RoHS).

## Technical Reports

<b>Technical Reports:</b>	Capture Efficiency (Danish Technological Institute)
	ESD test report (DELTA)
	Download: <a href="http://www.alsident.com">www.alsident.com</a> > Technical Support > Test Reports

## Key to the Signatures

SYSTEM NO.	VERSION	CHAPTER	PAGE NO.
<b>50</b>	<b>AS</b> Antistatic	<b>GI</b> General Information	<b>01</b>
		<b>BM</b> Table Mounted	
		<b>WCM</b> Wall/Ceiling Mounted	