



Product Description



System 50 Flex – Aluminium/Antistatic

The System 50 Aluminium Extraction Arm from ALSIDENT SYSTEM® features a range of extraction arms with a special self-supporting flexible hose and an aluminium extractor tube. System 50 Flex is available in an aluminium version (AL) and an antistatic version (AS).

System 50 Flex AS is made of anodised aluminium tubes and flexible joints in black, white or red polypropylene (PP). System 50 Flex AL is made of chromated aluminium tubes and flexible joints of conductive polypropylene (PP).

The internal parts of both versions are made of stainless steel and the hose is made of conductive ABS plastic.

System 50 Flex arms are available for mounting directly on table or table bracket.

System 50 Flex AL is approved for use in ESD-areas according to IEC 61340-5-1 and is therefore delivered with an earthing wire with a 1MΩ resistance.

Further information is available in "Mounting Instructions" on the extraction arm or under "Technical Information" on our website.

System 50 Flex AS is also suitable where static electricity must be avoided and is available in lengths with a maximum horizontal range of 900 mm.



Technical specifications

Recommended Airflow:	Normal:	65 m ³ /h
	Minimum:	45 m ³ /h
	Maximum:	85 m ³ /h
Air temperature:	-15°C - +90°C	
Material – AL:	Pipes	Anodised aluminium (10 µ)
	Joints	Polypropylene (PP) – red, white or black
	Hose:	Conductive ABS
	O-ring:	Polyethylene (PE)
	Flange:	Polypropylene (PP) – red, white or black
	Ring:	Polypropylene (PP) – black
	Damper:	Polyethylene (PE)
	Thumbscrew:	Polypropylene (PP) – black
	Threaded stay:	Acid-proof stainless steel
	Spring:	Acid-proof stainless steel

Material – AS:	Pipes:	Chromated aluminium
	Joint:	Conductive polypropylene (PP)
	Hose:	Conductive ABS
	O-ring:	Polyethylene (PE)
	Flange:	Conductive polypropylene (PP)
	Ring:	Polypropylene (PP) – black
	Damper:	Polyethylene (PE)
	Thumbscrew:	Polypropylene (PP) – yellow
	Threaded stay:	Acid-proof stainless steel
	Spring:	Acid-proof stainless steel

Abbr.:	PP:	Polypropylene <i>Shatterproof and chemical resistant</i>
	PE:	Polyethylene
	PETG:	Polyethylene Terephthalat, Glycol-modified <i>Transparent and resistant to solvents</i>
	ABS:	Acrylonitrile Butadiene Styrene
	TCP:	Trivalent Chromium Passivation <i>RoHS compatible surface treatment for aluminium</i>

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

Technical Reports

Technical Reports:	Capture Efficiency (Danish Technological Institute) ESD test report (DELTA)
	<i>Download: www.alsident.com > Technical Support > Test Reports</i>

Key to the signatures

SYSTEM NO.	VERSION	CHAPTER	PAGE NO.
50 Flex	AL Aluminium	GI General Information	01
	AS Antistatic	TM Table Mounted	