# Product Specification

alsident® system
A cleaner working environment



## Product Description

## System 75 – Antistatic (AS)

**Alsident® System 75 AS – airflow between 80 – 180 m³/h.**

System 75 Antistatic is particularly suitable in areas where static electricity must be avoided e.g. in EX-areas in chemical-, pharmaceutical- and food industry, just as in ESD-areas in the electronics industry.

The standard Alsident® System 75 AS extraction arms are available in various types that are complementary to each other with ranges up to 1990 mm. The System 75 AS extraction arms are easily mounted with standard brackets for table, wall or ceiling. In combination with the wide range of hood designs this makes it possible to choose an extraction arm adapted for almost any work situation.

Alsident® System 75 AS extraction arms are self-sustaining with an internal bearing spring, tubes of conductive Polypropylene (PP) with a diameter of 75 mm and joints of conductive Polypropylene (PP). All internal components are of acid-proof stainless steel (AISI 316L). The two longest models for wall and ceiling mounting are available with one respectively 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.

Alsident® System 75 Antistatic is approved for use in **EX-areas** according to IEC 13463-1 13.3.4.7 and IEC 61340-4-1 and are marked accordingly: **EX II 1 GD.** With this marking these extraction arms can be used in zones: 0, 1, 2 and 20, 21, 22.

Alsident® System 75 Antistatic extraction arms are supplied with an earthing wire without resistance (for EX-areas). For use in ESD-areas an earthing wire with 1 MΩ resistance is also enclosed. Further information is available in "Mounting Instructions" on the extraction arm or under "Technical Information" on the web.

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 75 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 productions and special solutions.

# Product Specifikation

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## Technical Specifications

**Recommended Airflow:**

| | |
|---|---|
| Normal: | 140 m³/h |
| Minimum: | 80 m³/h |
| Maximum: | 180 m³/h |

**Air Temperature:** -15°C – +90°C

**Material:**

| | |
|---|---|
| Pipes: | Conductive polypropylene (PP) |
| Joints: | Conductive polypropylene (PP) |
| O-rings: | Conductive polypropylene (PP) |
| Mounting flanges: | Conductive polypropylene (PP) |
| Damper: | Polypropylene (PP) |
| Thumbscrew: | Polypropylene (PP) – yellow |
| Threades Stay: | Acid-proof stainless steel (AISI 316L) |
| Spring[1]: | Acid-proof stainless steel (AISI 316L) |
| Gas spring[2]: | Steel |

*1) Extraction arms with ranges up to 1550 mm*
*2) Available on 75-9065 and 75-9090*

The antistatic version of System 75 has been tested and approved by Danish Technological Institute for use in explosive atmospheres according to the standards IEC 61340-4-1 and IEC 13463-1:2001.

They are labelled: **EX II 1 GD**

The antistatic version is also approved for use in ESD-areas according to IEC 61340-4-1. DIN VDE 0303 Part30 and IEC 61340-5-1. The tests are carried out by BAM and DELTA.

**Abbr.:**

| | |
|---|---|
| PP: | Polypropylene<br>*Shatterproof and chemical resistant* |
| TCP: | Trivalent Chromium Passivation<br>*RoHS compatible surface treatment for aluminium.* |

*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)
ESD Test Report (BAM)
EX Test Report (Danish Technological Institute)

*Download: www.alsident.com > Technical Support > Test Reports*

## Key to the signatures

| SYSTEM NO. | VERSION | CHAPTER | PAGE NO |
|---|---|---|---|
| 75 | AS Antistatic | GI General Information | 01 |
| | | TM Table Mounted | |
| | | WCM Wall/Ceiling Mounted | |