



Tests and approvals of Antistatic Systems (AS)

Our tests are made by impartial and internationally respected institutes. We emphasise the documentation of our various markings and approvals. All tests can be downloaded from www.alsident.com under [Technical Support](#).

1. ESD approval of Systems 50 AS and 50 Flex AS

The antistatic Systems 50 and 50 Flex are different to our other antistatic systems as they have tubes of chromated aluminium (TCP) and flex hose of conductive plastics.

The TCP-chromating of the surface is RoHS compatible.

The antistatic extraction arms of System 50 and 50 Flex are tested and approved for the use in ESD protected areas according to IEC 61340-5-1. Therefore, they are supplied with an earthing wire with 1M Ω resistance. You will find more information about the earthing of the wire in our [Mounting Instructions](#) available on our website.

The tests are made by the Danish DELTA and can be downloaded from our website under [Test Reports](#).

2. ESD approval of Systems 75 AS and 100 AS

The antistatic extraction arms of System 75 and System 100 have joints and tubes of conductive polypropylene (PP).

The extraction arms have been tested and approved for the use in ESD protected areas by two different institutes and are delivered with 1M Ω resistance. On our website you will find more information about on the mounting and earthing of the wire under [Mounting Instructions](#).

2.1 DELTA (DK)

DELTA has tested and approved the extraction arms for the use in ESD protected areas according to IEC 61340-5-1.

[The test report](#) can be downloaded from our website under [Technical Support](#).

2.2 BAM (D)

Bundesanstalt für Materialforschung und -prüfung (BAM) has tested and approved the extraction arms for the use in ESD protected areas according to IEC 61340-4-1.

[The test report](#) can be downloaded from our website under [Technical Support](#).

3. EX approval of Systems 75 AS and 100 AS for ATEX areas

The antistatic extraction arms are the only extraction arms in the market which have been tested and approved for the use in EX protected areas (ATEX) by an impartial institute. Danish Technological Institute (DK) has tested and approved the antistatic extraction arms of System 75 and System 100 according to IEC 13463-1 and IEC 61340-4-1, and are therefore labelled:

EX II 1 GD

The extraction arms are supplied with an earthing wire. See more about the earthing of the wire in the [Mounting Instruction](#) which is available for download under [Technical Support](#).

[The test report](#) is also available for download from our website under [Technical Support](#).