

AstroFan 1212EC with cooling coils provides the highest flexibility to achieve cleanroom conditions

CASE STUDY - PHARMA

Customer and Project profile

Customer:

Applied Medical

Customer Industry:

Applied Medical is a leading provider of breakthrough technologies for Minimal Invasive and General Surgery, as well as Cardiac, Vascular, Urologic, Colorectal, Bariatric, Obstetric, and Gynecologic specialties. Founded in 1987 with HQ in Southern California (USA), Applied Medical is a rapidly growing, global organization with approximately 4000 team members and present in more than 75 countries.

Project:

New production area under cleanroom conditions

Initial situation

For a new cleanroom production area headquarters in the US decided to build a new production site in the Netherlands. The existing location of Applied Medicals was too small which urges to build a complete new building including cleanroom areas were designed.

Kropman Installatietechniek was responsible for all the AHU systems. Due to their good relationship with AAF and positive experience with it's products, Astrofan systems were selected for the cleanroom. The systems are operating according to the expectations: worry free.

remove gases and acids from the air before reaching the artifacts.



The AAF Solution

AAF supplied 190 units. AstroFan 1212 EC, Modbus with cooling coils on the FFU.

Together with our control system AC7150 we also do monitor the airlock systems, CO₂ and temperature sensors.

Because of our complete solution with integrated systems being the AstroFan with cooling coils and controller the cooperation with Kropman Installatietechniek is very successful.

Our approach with this integrated solution is the key to our success and therefor also used in other cleanroom projects.

Key performance indicators for the AstroFan 1212 EC

Designed to be flexible in positioning the FFU systems in combination with ducted systems, like Astrohood

- FFU with integrated cooling coils
- Integration control system for: FFU, interlock systems, door counts and room sensor systems

properties of the micro granulated carbon used in all types of filters. Each filter must be tested for each gas like Ozone, acid gases like Sulfor Dioxide (SO₂), Nitrogen Dioxide (NO₂), Hydrogen Sulphide (H₂S), VOC etc. In general all gases present in urban environments, which can destroy valuable artifacts.

KROPMAN
INSTALLATIETECHNIEK

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The result

Kropman Installatietechnik is convinced about the high quality of the AAF integrated systems and the professional support of the Dutch Team.

The integrated control systems enable them to upgrade the cleanliness of the cleanroom in an easy way, even by remote control.

With datalogging systems they easily convince the FDA about the procedures followed.

AAF is not only supplying the components, but is also a fully-fledged discussion partner during the construction meetings.



AAF AstroFan 1212EC



Applied
Medical 
A New Generation Medical Device Company

KROPMAN
INSTALLATIETECHNIEK



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AAF International B.V. has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.

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