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Project
Client
Time Period

Cleanaer
Aerstream Technology
2006



Introduction

Aerstream Technology possesses unique, patented technology for an extremely effective electrostatic air freshener, capable of physically removing particulates such as pollen and cigarette smoke and pet allergens from the air in a room.

Now sold by Boots, endorsed by the British Allergy Foundation, and the Daily Mail's 5 Best Allergy Products.

Features

Extruded aluminium power (base) unit, for housing the electrostatic driver electronics.

Secure, non-return, anti-tamper refill activation system;
Highly sophisticated multiple liquid chambers to boost performance and prevent leaks.

The Brief

Develop a compact, wall-mounted form factor for the device, including a base unit and refill, with: a fixed 'head' of liquid to feed the electrostatic capillary tube; means to cope with thermal or atmospheric expansion of the liquid within the reservoir; prevent leaks if the refill is laid on its side, back or front; and a very long list of other technically challenging criteria.

Processes

- Component layout
- Product Styling
- User experience design
- Materials research
- Proof of concept prototyping
- Part and assembly design and engineering
- Pre-production prototyping