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CSI DIVISION:
44 00 00, Pollution and Waste Control Equipment

ASSE • R-0004
Valid through March 2018

CSI SECTIONS:
44 11 00 Particulate Control Equipment
44 31 16 Activated Carbon Adsorption Odor Control Equipment

KENT RO SYSTEMS, LTD

E-6,7 & 8 Sector-59
Noida, U.P 201309
INDIA

Alps & Aura models

MODEL NUMBERS: 15002, 15004

SCOPE OF COMPATIBILITY WITHIN REPORT:
2015 AHAM-AC1 (Pollen, Dust, Smoke reduction)



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 Sections: 44 11 00 Particulate Control Equipment
 44 31 16 Activated Carbon Adsorption Odor Control Equipment

**Alps & Aura models
Kent RO**

- Activated carbon filter
- Antibacterial HEPA filter

1.0 Report's Scope of Compatibility

2015 revision of AHAM-AC1, reduction of pollen, dust, and smoke only.

4.1 Reduction of Dust

Conforms with AHAM AH-1 requirements.
Dust test particles range from 0.5-3µm.

2.0 Use

Products filter dust, pollen, and smoke from the surrounding air.
Products are table type air cleaners.

4.1.1 Alps

Average CADR rating of 190cfm (330 m³/hr)
Reduces total dust particle count by 98% over 20min in a 1008ft³ (28.5m³) room.

3.0 Limitations

This report does not cover operating and standby power consumption performance of AHAM-AC1.

4.1.2 Aura

Average CADR rating of 132cfm (225 m³/hr)
Reduces total dust particle count by 94% over 20min in a 1008ft³ (28.5m³) room.

Alps

Maximum noise level: 54 dB(A)
Input voltage: 220VAC
Total power consumption: 55W

4.2 Reduction of Cigarette Smoke

Conforms with AHAM AH-1 requirements.
Smoke test particles range from 0.1-1µm.

Aura

Maximum noise level: 60 dB(A)
Input voltage: 220VAC
Total power consumption: 45W

4.2.1 Alps

Average CADR rating of 180cfm (306 m³/hr)
Reduces total spmoke particle count by 97% over 20min in a 1008ft³ (28.5m³) room.

4.2.2 Aura

Average CADR rating of 116cfm (196 m³/hr)
Reduces total smoke particle count by 92% over 20min in a 1008ft³ (28.5m³) room.

4.0 Description

Alps and Aura both use 3 filters to achieve their clean air delivery rates (CADR) for the reduction of dust, smoke, and pollen in a room. Filters are:

4.3 Reduction of Pollen

Conforms with AHAM AH-1 requirements.
Pollen test particles range from 5-11µm.

- Pre-filter

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4.3.1 Alps

Average CADR rating of 149cfm (253 m³/hr)
Reduces total pollen particle count by 91%
over 10min in a 1008ft³ (28.5m³) room.

4.3.2 Aura

Average CADR rating of 94cfm (159 m³/hr)
Reduces total pollen particle count by 85%
over 10min in a 1008ft³ (28.5m³) room.

5.0 Installation

See manufacturer installation instructions for specifics.

5.1 Warnings

Do not install in high humidity areas
Do not install near combustible and volatile fluids
Do not install near a heat source
Do not use for soot ejection or in a kitchen – service life of filters will be reduced.

6.0 Maintenance

6.1 Manufacturer Recommendation

Clean filters once per month using a vacuum on the inlet side of the filter.

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