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

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)
1.0 Report’s Scope of Compatibility
2015 revision of AHAM-AC1, reduction of pollen, dust, and smoke only.

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

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

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

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

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:
- Pre-filter
- Activated carbon filter
- Antibacterial HEPA filter

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

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.

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.

4.2 Reduction of Cigarette Smoke
Conforms with AHAM AH-1 requirements. Smoke test particles range from 0.1-1μm.

4.2.1 Alps
Average CADR rating of 180cfm (306 m³/hr)
Reduces total smoke 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.

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