



APS2000 Designed Performance

Total Air Flow Capability: 2000cfm*

Total Volume of Purified air per Hour: 120,000 cubic feet of air*

Total Volume w/8ft high walls: 6,688 cubic feet

Total ACH*: 17.9 • Total maximum ACH (negative pressure in rooms): 15.7

Total Volume w/9ft high walls: 7,524 cubic feet

Total ACH*: 15.9 • Total maximum ACH (negative pressure in rooms): 14.0

Total Volume w/10ft high walls: 8,360 cubic feet

Total ACH*: 14.4 • Total maximum ACH (negative pressure in rooms): 12.6

In this scenario, the Yellow Zone will provide negative pressure, if negative ducting used, and hospital-grade air purification throughout the Exam Rooms, Lab, and X-Ray Room. Doors are typically kept closed, air leakage rate is acceptable, and room air conditioning individually isolated or cross contamination is mitigated.

Air Rover APS Systems can be used as a standalone unit or installed with an existing or new HVAC system. Additionally, APS Systems can be located in any convenient indoor or outdoor location, as long as they are accessible for maintenance.

This document is intended for illustration purposes only. Ducting, distributors, and collectors are only representative and are not to be used as an actual design. Actual installations should be performed by a certified HVAC professional as fan speed control and calibration will be required.

**This figure indicates 100% of air is recirculated. If negative air pressure ducting is used to create a negative air space, the recirculated purified air performance is reduced by 200-250cfm.*

Lab: 82ft²

X-Ray: 93ft²

Exam Room #1: 81ft²

Exam Room #2: 81ft²

Exam Room #3: 80ft²

Exam Room #4: 88.5ft²

Exam Room #5: 88.5ft²

Exam Room #6: 80ft²

Exam Room #7: 81ft²

Exam Room #8: 81ft²



Notes from the Example Diagram:

- Return Air Collector
- Purified Air Distributor
- Negative Air Ducting (if used for negative air space)
- Return Air Ducting
- Purified Air Ducting