

APS2000 Designed Performance

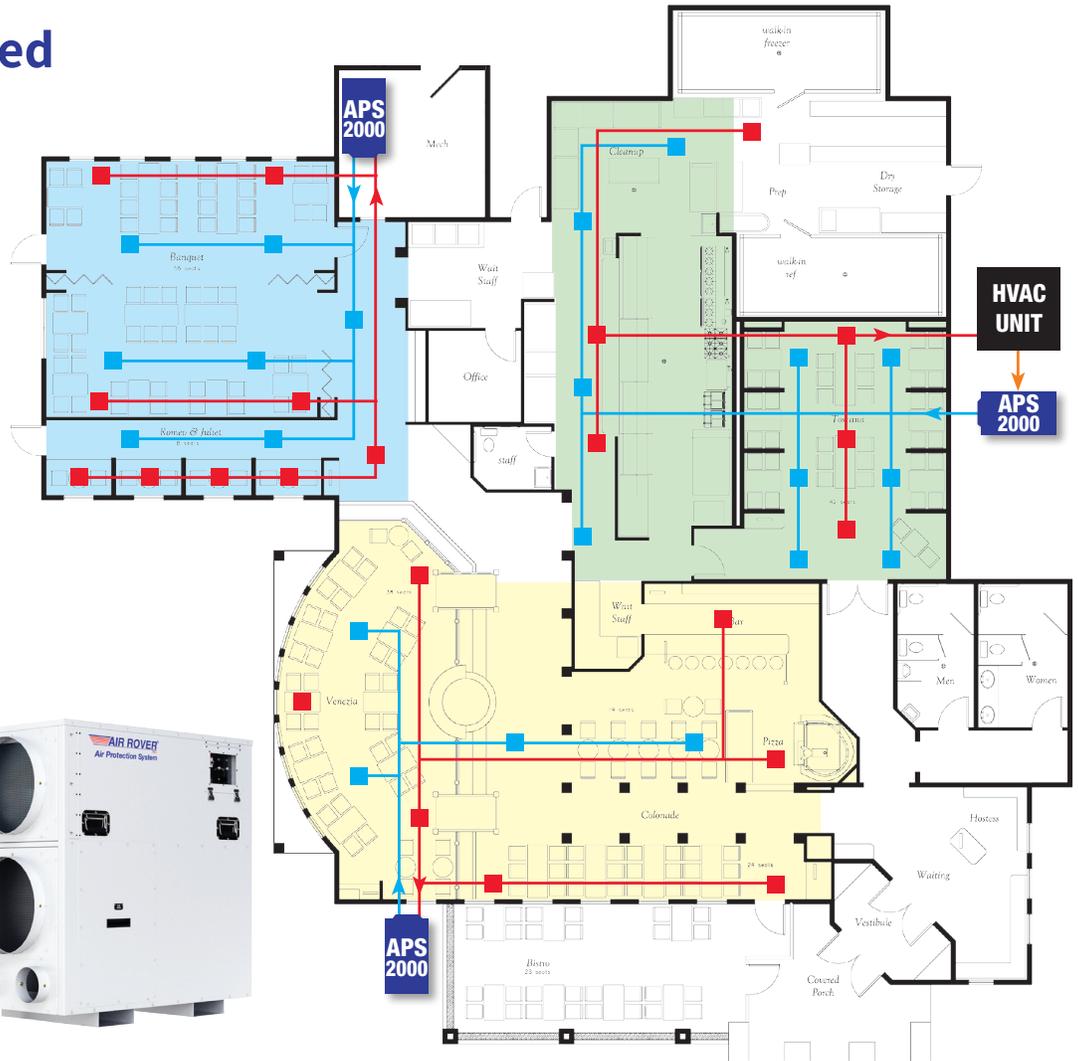
Total Air Flow Capability:
2000cfm*

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

Green Zone System: 5800ft²
Total maximum ACH*: 2.5

Blue Zone System: 4900ft²
Total maximum ACH*: 3.0

Yellow Zone System: 7200ft²
Total maximum ACH*: 2.0



In this scenario, the Green Zone will have in-series air purification with the APS system tied **into the existing air conditioning system**. The APS will take the cooled air from the HVAC System and purify it before distributing back into the existing ductwork.

The Blue Zone will have standalone air purification with the APS system mounted in space available in the existing mechanical room.

The Yellow Zone will have standalone air purification with the APS system mounted external to the building.

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.*

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

The intent of this illustration is to present three different examples of solutions for retrofitting existing rooms to meet or exceed indoor air quality changes due to the post COVID-19 building code updates.

Notes from the Example Diagram:

- Return Air Collector
- Purified Air Distributor
- HVAC System Supply Air Duct
- Return Air Ducting
- Purified Air Ducting