~ Pax Tip ~

HOW TO CHOOSE AN AIR FILTRATION SYSTEM

- When choosing the optimum size air filtration unit(s), the recommended air cycles per hour vary based on usage
- Generally, six full air cycles per hour in occasional use shops and eight full air cycles per hour in full time use shops is adequate
- Based on these guidelines, the following formula may be used to determine the appropriate size filtration unit (in CFM) for your shop
- Calculate shop volume in cubic feet (use 12 feet as the maximum ceiling height)
- Multiply the cubic volume by the recommended cycles per hour to determine cubic feet per hour (CFH)
- Divide the CFH by 60 to determine the optimum collector CFM capacity

EXAMPLE: SHOP VOLUME: 20′ X 20′ X 8′ = 3,200CU. FT.
3,200CU. FT. X 6 CYCLES = 19,200CU. FT/HOUR
19,200 / 60 = 320CU. FT./MINUTE (CFM)

IN LARGER SHOPS, THERE IS A BENEFIT TO INSTALLING SEVERAL SMALLER UNITS EQUALLY DISTANT FROM EACH OTHER.