



PHONE : (913) 677-5777

FAX : (913) 677-0674

E-MAIL : techair@techairinc.com

WEB : www.techairinc.com

10200 W. 75th. Street, Suite 102, Shawnee Mission, Kansas 66204



**FOR
PRESSURIZING
OR
PURGING
CONTROL
ROOMS**

TECH-AIR PRESSURIZER & PURGE UNITS properly applied will convert Class II Division II rooms to nonhazardous areas. May be applied for Type "Z" purging applications, converting Class I Division II rooms to nonhazardous.

Typical Rooms:

Electrical Control Rooms

Lunch Rooms

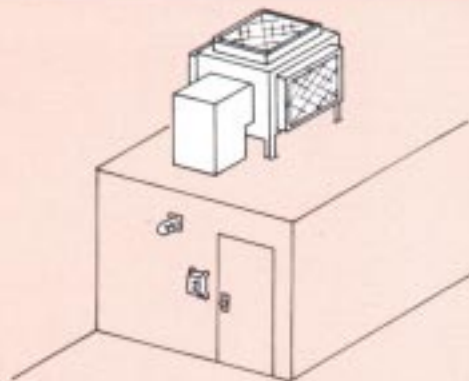
Restrooms and Locker Rooms

Offices for Process Supervisor and Technical Personnel

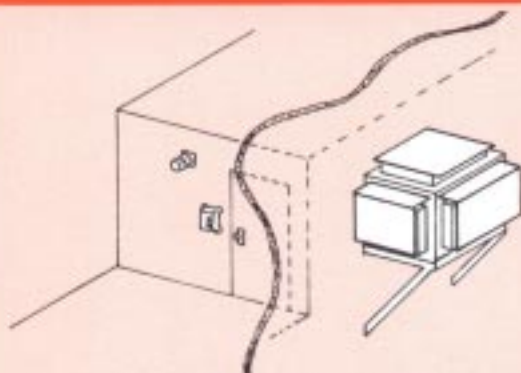
Operator Offices

Maintenance Rooms

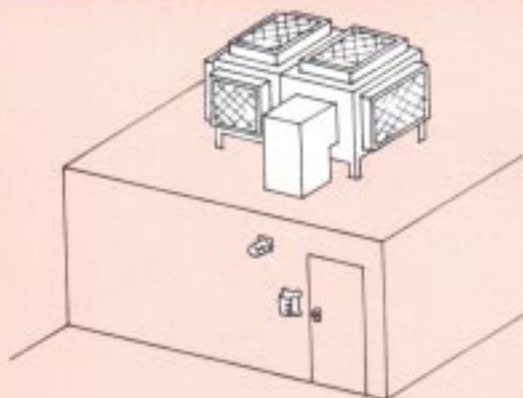
Personnel Rooms



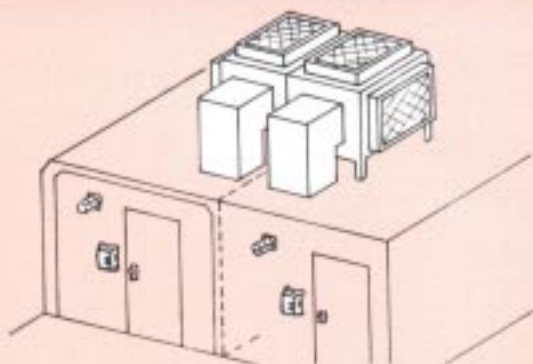
Single unit on room roof



Single unit on exterior wall with weather covers

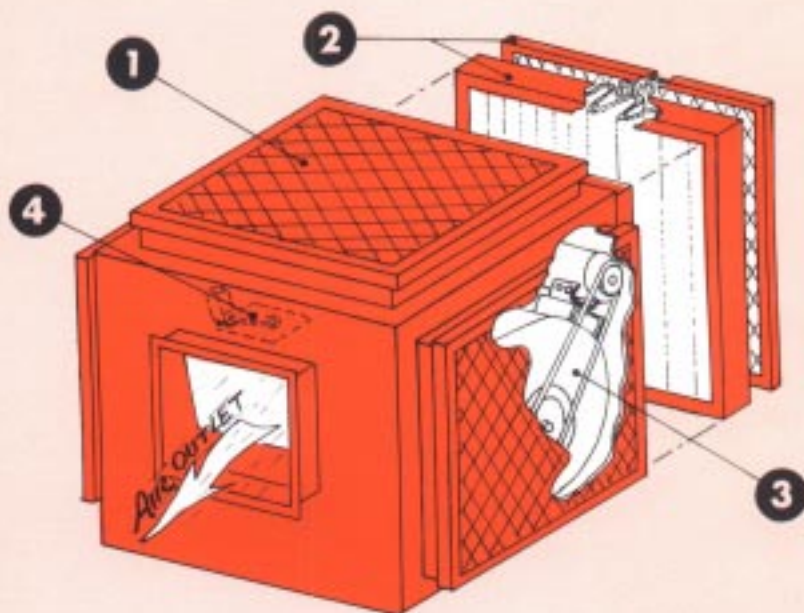


Double module unit on room roof



Double module unit with two fans and controls for two rooms

STANDARD UNIT SPECIFICATIONS



1. All faces of unit except discharge air face are filter surface areas in order to provide the unit with the maximum of filter area.
2. Two-Stage Filter System—Outer or first filter stage is a 25" x 25" x 1" disposable filter with graded density media and second or final stage is 24" x 24" x 4" pleated filter media of high efficiency rigid cell construction.
3. Centrifugal fan with V-belt drive and driven by Class II Group G motor. (Different motor classifications can be provided where required for Class I applications).
4. Exclusive TECH-AIR Sensing Switch that senses both blower air flow or velocity as well as room pressure with Class II Group G switch which is to be utilized if the air system is not delivering any air and/or pressure.

FILTRATION

Many industrial environments contain dust concentrations too high to allow conventional single stage filters to operate properly when the normal 300 to 500 FPM face velocities are utilized.

Multiple 24"x24" filter faces, two stage filtration,

OPTIONAL EQUIPMENT

1. NEMA 7 & 9 AC Manual Starter Box with heater overload protection—line voltage type, 230/460V
2. Class II Group G Warning Light
3. NEMA 7 & 9 Alarm Horn
4. Electric Duct Heater for tempering of incoming air. (Not to be utilized as the primary heat source for personnel rooms).
5. Hazardous Duty Room Air Conditioners.
6. Additional Filter Box Modules can be added in order to add to filter surface area as is required in many atmospheres that the intake air is located in.
7. Weather Covers provided for exterior located units.
8. Support Legs (See dimensions on back page)
9. Wall Mount Support (See dimensions on back page)
10. Duct work and sheet metal fittings can be provided based upon measurements provided by customer.

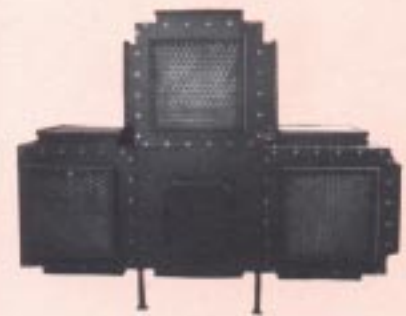
and modular construction allowing for multiple filter boxes to be added to allow for flow rates of 100 FPM and less when required, provide TECH-AIR units with the required economy of operation as well as filtration efficiency necessary.



Double module inside unit



Double module exterior unit

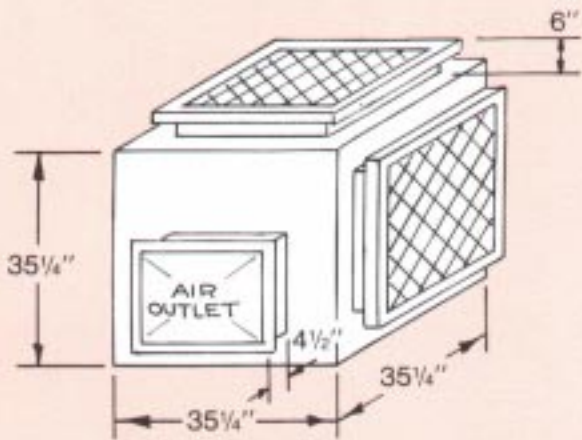


Triple module inside unit

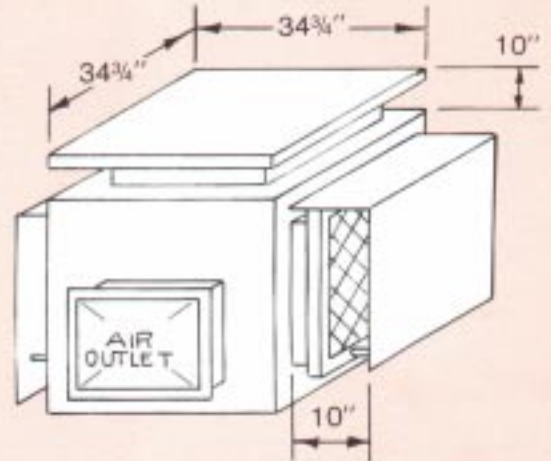


Single module showing two stage filters

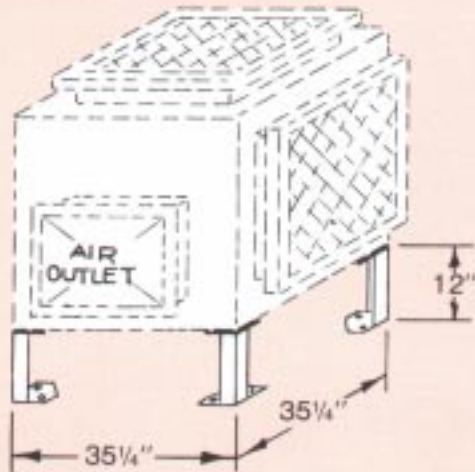
UNIT DIMENSIONS



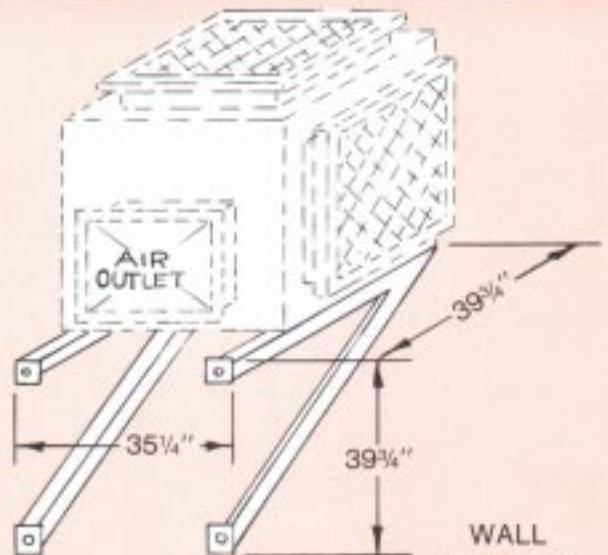
STANDARD MODULE



MODULE WITH WEATHER COVERS



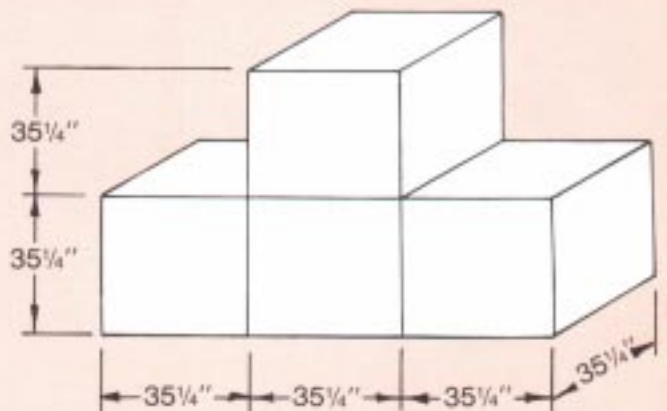
SUPPORT STAND



WALL SUPPORT

*NOTICE: All dimensions subject to change without notice.

(913)
677-5777



MODULAR COMBINATIONS