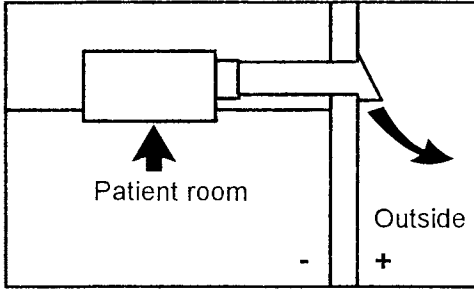


Biological Controls Isolation Room

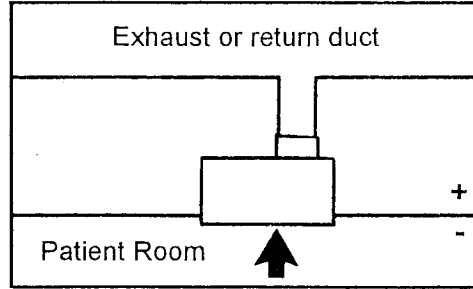
Creating negative/positive pressure using the ExC

Exhausting directly outside



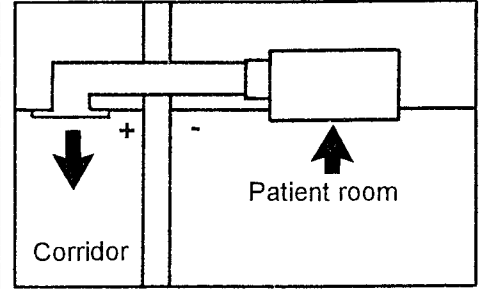
The ExC is designed for placement in a drop ceiling grid. Room exhaust can be directed outside, and is permitted by CDC guidelines as long as air is filtered using a HEPA filter.

Exhausting into return or exhaust



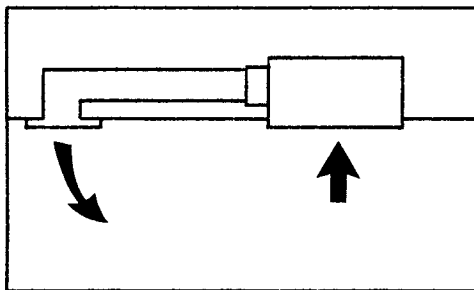
Exhausting into a duct system is permitted as long as the air is HEPA filtered first. This approach will save in energy costs since air is recirculated back through the system, with little make-up air required.

Exhausting into corridor



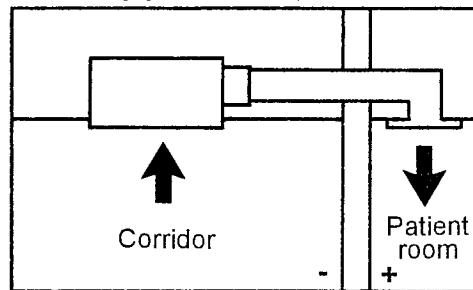
Exhausting back into the corridor will further positively pressurize the corridor while allowing the room to remain negative. Check with local building regulations to determine if this approach meets local fire codes.

In-room filtration/dilution



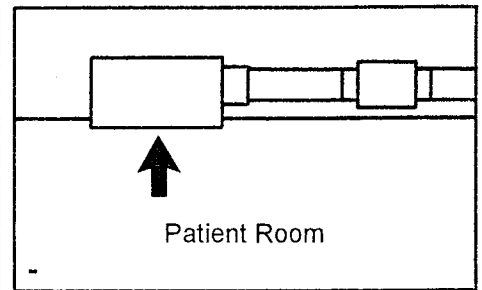
Exhausted air from the ExC can be ducted back into the room through a ceiling register or diffuser. This will produce in-room filtration and dilution.

Positively pressurizing room



To create positive pressure, an ExC can be positioned outside the room and ducted into the room providing HEPA filtered air.

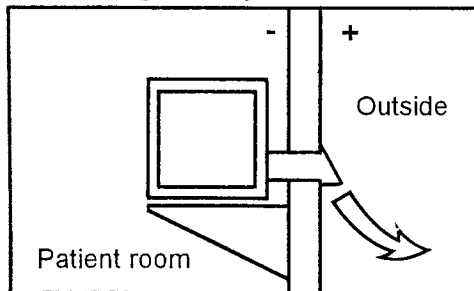
In-line booster fan



For extended distances of duct run, an in-line booster fan is available to help overcome the resistance added by the hose or dust collar.

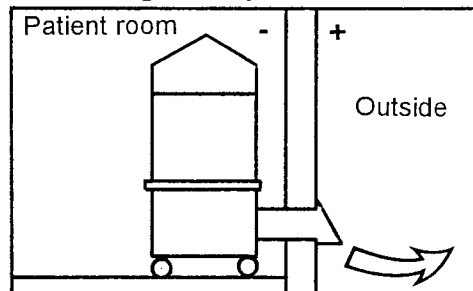
Creating negative pressure using the EX

Exhausting directly outside



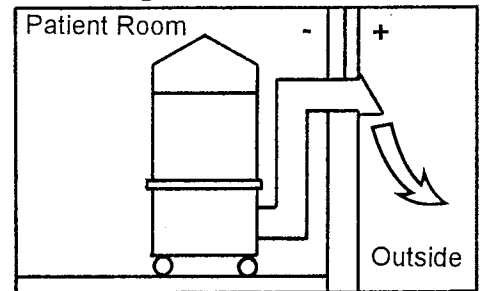
When ceiling mounting isn't an option, ducting directly outside or through a wall or window, the EX will satisfy that requirement.

Exhausting directly outside



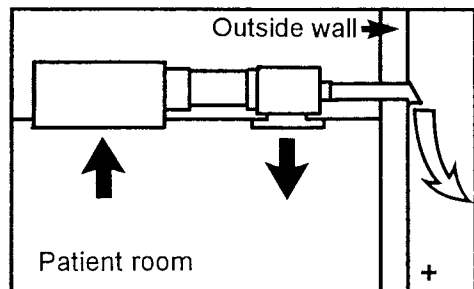
Through-the-wall rectangular exhaust duct.

Exhausting outside through window



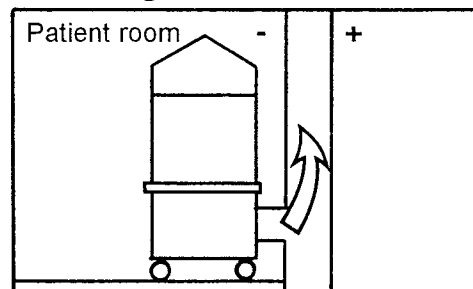
An oval duct for flexible hose or duct attachment for window exhaust.

Outside exhaust & in-room dilution



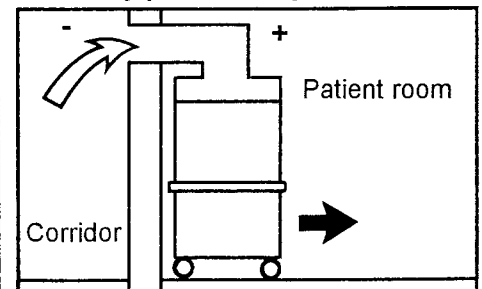
By utilizing a transition box, a portion of the filtered exhaust air can be sent outside, while the balance can be returned into the room. A damper control adjusts the flow through either duct.

Exhausting into return or exhaust



Exhausting into a dedicated wall exhaust duct can be done with a rectangular or oval duct attachment.

Positively pressurizing room



Positive pressure can also be provided by pulling air from outside the room and exhausting HEPA filtered air into the room.