Installation Methods—Simplified (Return/Return)

Simplified Installation (Return/Return Method)

The simplified method draws stale air from the cold air return duct of the air handler/furnace and introduces an equal amount of fresh air farther downstream into the cold air return (see figures 8 and 9).

Key points

- The HRV/ERV unit must be balanced.
- It is mandatory (to eliminate recirculation) that either the furnace blower run continuously or HRV/ERV unit operation be interlocked with the furnace blower.
- The duct configuration may change depending on the HRV/ERV model. See specifications for your unit.
- Check local codes and authority having jurisdiction for acceptance.

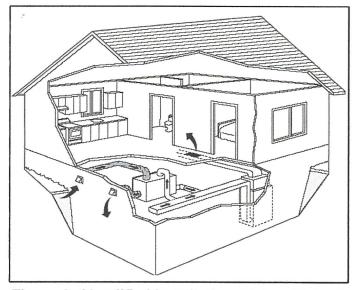
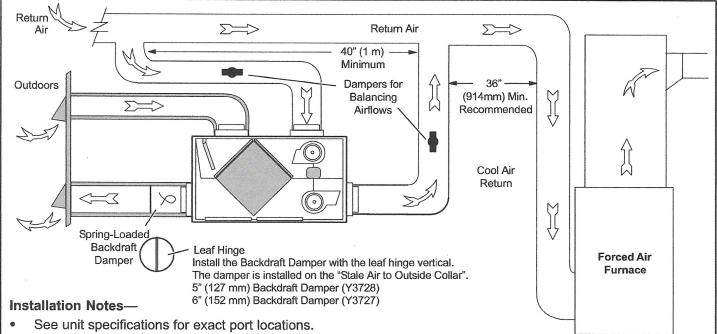


Figure 8. Simplified Installation (Return/Return)



- Unit is normally balanced on HIGH speed with the furnace blower ON.
- A minimum separation of 40 inches (1m) is recommended between the two direct connections.
- The exhaust air connection should be upstream of the supply air connection to prevent exhausting any fresh air.
- Weatherhood arrangement is for drawing purposes only. Six feet (2m) minimum separation is recommended. The weatherhood must be 18" (460mm) above grade minimum.
- The airflow must be confirmed on site using the balancing procedures found in this manual.

Figure 9. Direct Connection of both HRV/ERV Supply Air Stream & **Exhaust Air Stream to Furnace Cold Air Return**

