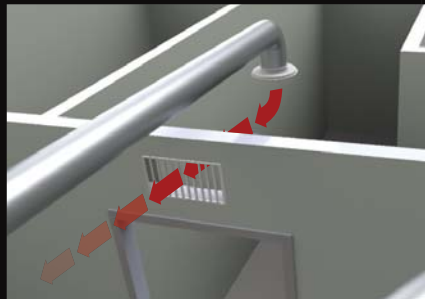


Escea luxury fireplaces have a very large number of installation options, this Design Guide explains how to use the ducting feature of the DX Series of fireplaces to distribute heat from the fireplace throughout the home.

The dimensions and specifications shown here are recommendations, and in most cases these can vary to suit your installation. For more detailed information on minimum/maximum dimensions, view the installation manual available on our website: [www.escea.com/technical](http://www.escea.com/technical)

### Backflow

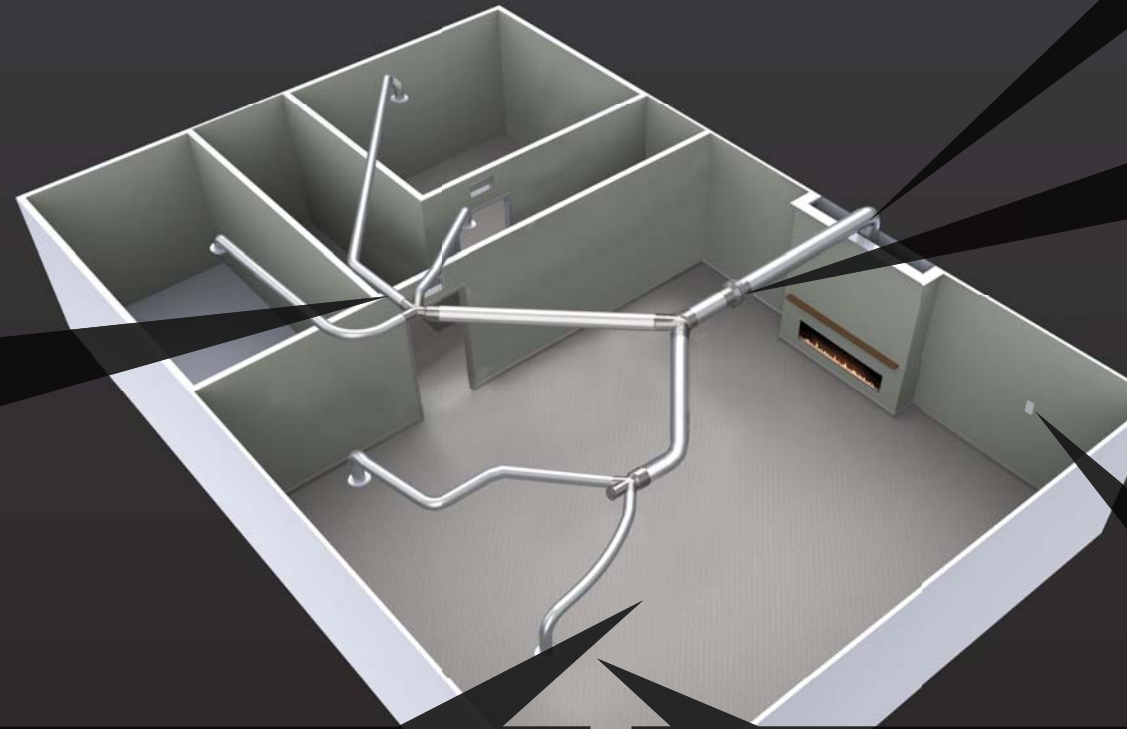


If outlets are placed in rooms other than that in which the fireplace is located, a means of return air is required. This is to equalise pressure and prevent back flow within the duct system. This will also assist temperature regulation to these areas.

**CAUTION:** NEGLECTING TO ALLOW BACKFLOW OF RETURN AIR TO THE FIREPLACE CAN RESULT IN A RISK TO PERSONAL SAFETY TO INFANTS OR INFIRM PERSONS

**WARNING:** OVERHEATED ROOMS ARE NOT SAFE FOR INFANTS

If ducting is installed into a room used by an infant or the infirm, ensure the temperature stays in the range of 16-20°C by use of a thermostatically controlled shut off valve in the duct that feeds that room.



### Ducting / Outlet Options

The DX Series fireplaces are supplied with a separate inline centrifugal duct fan which distributes heated air to a minimum of 3 outlets. This can be through either floor registers or ceiling diffusers - both of which are available in the standard outlet kits.

### Fan Placement

The fan can be installed either horizontally or vertically, and can be installed up to 6m from the fire. It is recommended the fan be suspended from framing members on the provided springs and bracket to reduce the possibility of fan noise through vibration. Typical fan locations are roof spaces and basements.

If required the fan can be installed into the cavity above the fire (the fan cannot be installed directly onto the top of the fire box). In this case additional soundproofing insulation should be added to minimise the possibility of fan noise.

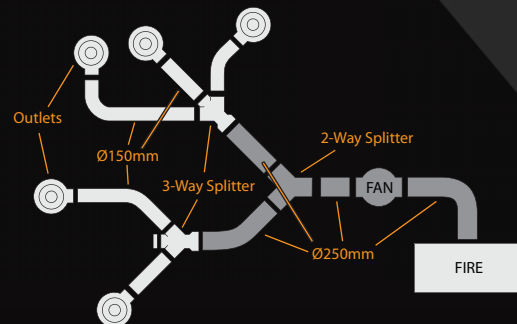
### Remote Placement

The remote contains an integrated temperature sensor, and is the thermostat for the fireplace. The remote must remain in the same room as the fire. The cradle should be installed in a location to allow easy access for the user. Ideally the cradle should be installed away from drafts and direct sunlight at a height of approximately 1500mm

### Ducting

The designs shown on this page are indicative only and can be adapted on a case by case basis to suite individual installations. Further technical information can be found in the installation manual on our website: [www.escea.com/technical](http://www.escea.com/technical).

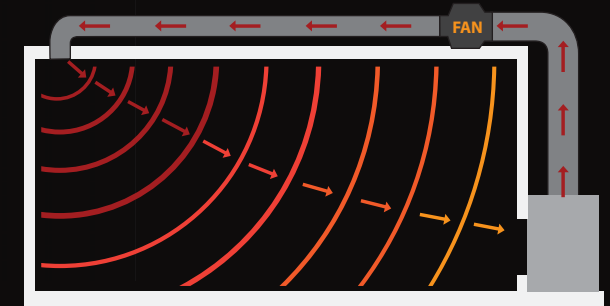
Escea also offer a free in house design service to assist designers to achieve the best configuration for their design. For assistance email [detailler@escea.com](mailto:detailler@escea.com)



### Ducting Outlet Placement

To achieve even heat distribution outlets should be positioned in corners of rooms furthest from the fire location. The DX Series fireplaces produce approximately 2 kW of radiant heat through the glass, the remainder is distributed via the duct system.

**Note:** A minimum of 2 outlets must discharge into the same room the fire is located.



No. of Ducts	DX1000	DX1500
Minimum	3	3
Maximum	5	8