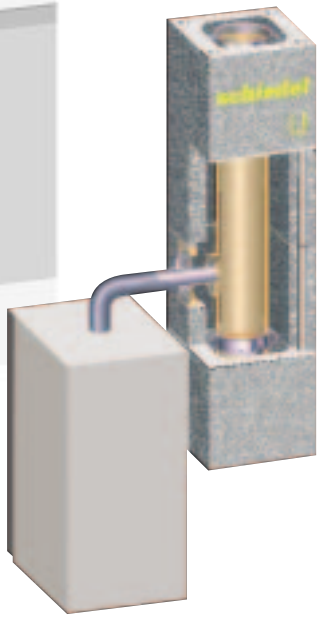
SCHIEDEL

Chimney Systems



Multi & Avant systems

The Schiedel solutions for room sealed boilers.

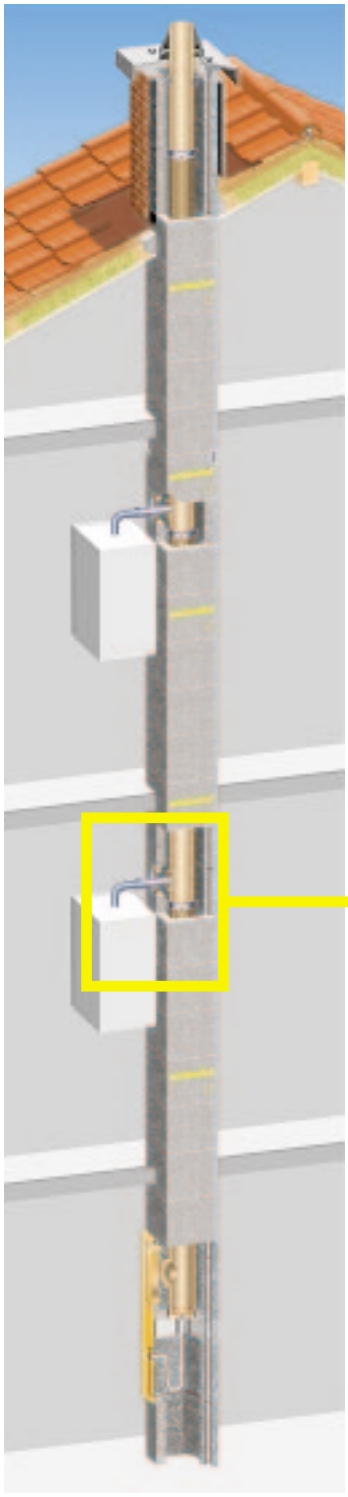
- The Avant for single dwellings
- The Multi for apartments

A company of LAFARGE ROOFING

SCHIEDEL MULTI

The Schiedel Multi

The Schiedel MULTI is designed specially for use in apartments and multifamily buildings. It allows up to 10 room sealed boilers to be connected to the one chimney.



The Schiedel Multi is a new concept in ceramic chimneys, allowing up to ten room sealed appliances to be connected to the one chimney. The new Schiedel profiled ceramic liner enables the chimney to work effectively at low temperatures.

The Schiedel Multi is a concentric air-flue gas system consisting of a ceramic pipe to take waste gases away and a surrounding concrete shaft to deliver combustion air to the appliance.

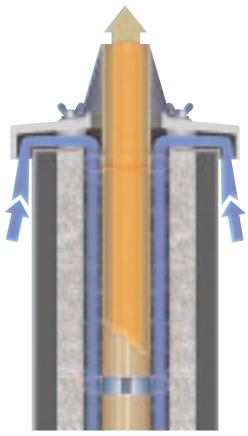
The combustion air is drawn in through vents located near the chimney top and transported to the appliance through the angular gap in the chimney block. The waste gases are safely discharged to the outside through the central pipe created with high quality ceramic liners.

Travelling in different directions within the chimney the heat of the waste gases is transferred to the combustion air. This means that the combustion air is pre-heated before it enters the boiler, improving the efficiency of the appliance.

The appliance is connected through a concentric double pipe to the chimney system.

Main features

- High quality, thin-walled, inner ceramic liners with profiled surface for durability & performance.
- Simple & efficient ceramic plug-in connections for the appliance.
- Operates under negative pressure.
- Safe waste gas discharge.
- Compact design minimising the space required.
- Increases the efficiency of the appliance because the combustion air is preheated as it travels towards the appliance.
- Decentralized heating, allowing individual billing based on individual boiler energy consumption.
- A maximum of 10 appliances can be connected to the system, with one or two per floor.



Separation of the waste gas and the air supply

The inlet for the combustion air is designed to be below the chimney outlet and separated from it so that the waste air and the air supply cannot mix. The combustion air is transported to the appliance through the angular gap and the waste gases are safely discharged to the outside through the central high quality ceramic liners.

Profiled high quality ceramic inner liner

The new profiled ceramic liner from Schiedel has a fully ceramic plug-in connection for the appliance. The profiled liner has been designed to function at the highest performance levels. It is resistant to high temperatures, temperature change and acid corrosion. The profile liner is airtight and has a moisture passage value < 2 g/hm^2.

The Multi prefabricated base

The base of the chimney is formed with a prefabricated unit comprising a cleaning door connection with overflow brake and the condensate drain.

The overflow brake in the cleaning door acts as a pressure compensation opening. It reduces the pressure difference between waste gas and supply air channels, creating more regular conditions for combustion. It helps to create the conditions for good fuel efficiency and avoids unnecessary energy losses when appliances are not being used.

SCHIEDEL AVANT

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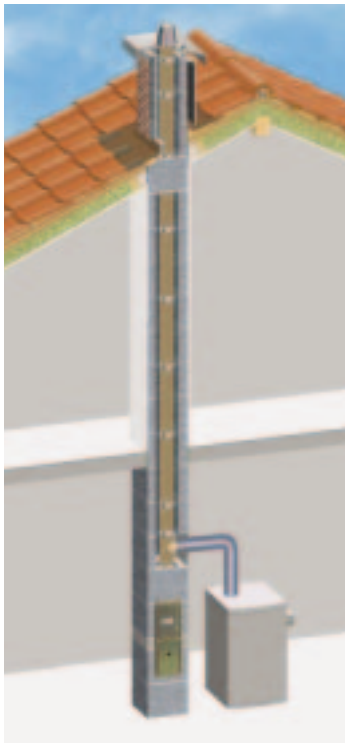
The Schiedel Avant

The Schiedel Avant has been specifically designed for individual homes.



The Schiedel Avant can be used with room sealed and open appliances. It has been specially developed for low temperature and condensing appliances and it is suitable for waste gas temperatures up to 160°C for oil and gas.

The Schiedel Avant is a concentric air-flue gas system consisting of a ceramic pipe to take waste gases away and a surrounding concrete shaft to deliver combustion air to the appliance.

The combustion air is drawn in through vents located near the chimney top and transported to the appliance through the angular gap integrated into the chimney design. The waste gases are safely discharged to the outside through the central pipe created with high quality ceramic liners.

Travelling in different directions within the chimney the heat of the waste gases is transferred to the combustion air. This means that the combustion air is pre-heated before it enters the boiler, improving the efficiency of the appliance.

The appliance is connected through a concentric double pipe to the chimney system.

Main features

- Designed for versatile use: room sealed and open appliances under positive and negative pressure operation, in the counter flow and parallel flow method.
- Helps reduce energy consumption and increases the efficiency of the appliance by pre-heating the air as it travels towards the appliance.
- High quality, thin-walled, inner ceramic liners with profiled surface for durability and performance.
- Easy to use, fully ceramic plug-in connections for the appliance.
- Safe waste gas discharge.
- Modest space requirement due to compact design.

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