Installation Guidelines for Wood Burning & Multi Fuel Appliances

www.bfcma.co.uk
Wood Burning & Multi Fuel Stoves

Connecting Flue Pipe

The stove should be connected to the flue using vitreous enamel or 1mm thick single wall stainless steel pipe.

Installations show are by way of illustration only. Manufacturer’s installation instructions should always be consulted before installation.

Drawings courtesy of Schiedel Chimney Systems
Wood Burning & Multi Fuel Stoves

Existing Chimneys
Relining an existing chimney with twin wall flexible liner

Different terminal options available including clay chimney pot as shown or a range of stainless steel terminals.

15mm Angled Vent Tubes

Top Insert
Top Clamp
This item is used in conjunction with the top plate to secure the liner at the top of the stack.

Top Plate
This item is used in conjunction with the top clamp to support the liner at the top of the stack. Can also be used as a debris plate above the appliance.

Twin Wall Liner

Vitreous Enamel or Connecting Flue Pipe Adaptor to Flexible Liner

Bottom Support Bracket

Debris Plate

Vitreous Enamel or Single Wall Connecting Flue Pipe

Inspection Length

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Drawings courtesy of Schiedel Chimney Systems
**Wood Burning & Multi Fuel Stoves**

**Existing Chimneys**

Relining an existing chimney with single wall liner.

If the 0.6mm thick liner has been tested in accordance with BSEN1856 part 2 then it may be used. If not then 1mm single wall liner must be used.

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Drawings courtesy of Schiedel Chimney Systems
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New Chimneys
- Stainless Steel Twin Wall Flue

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Wood Burning & Multi Fuel Stoves

Clay Concrete & Pumice - Chimney Systems

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Drawings courtesy of Schiedel Chimney Systems
**Wood Burning & Multi Fuel Stoves**

**Clay Concrete & Pumice - Chimney Systems**

- Chimney block 400 x 400 x 330mm
- Support block and adaptor for connection to flue pipe
- Suitable lintels to support chimney stack
- Single wall connecting flue
- Glass fronted insert fire

**Concrete or brick coping**
- Expansion plate
- Chimney tray required
- Corbel to support external finish (block or brick)

**Chimney tray**

- High grade ceramic liner jointed with high temperature sealant
- Holes to facilitate reinforcement bars where necessary
- Standard gap of 40mm to be kept between outer surface of chimney and structural timbers

**Chimney block**
- Chimney secured to masonry wall every metre with expanded metal ties
- Support block and adaptor for connection to stove

**Ceramic Chimney System for Stoves**

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Drawings courtesy of Schiedel Chimney Systems
Wood Burning & Multi Fuel Stoves

Clay Concrete & Pumice - Liners

- Sand/cement flaunching around flue liner or chimney pot
- Chimney tray and flashing
- Structural timber 40mm from outside of chimney or 200mm from inside of flue liner
- Joints sealed with flue joining compound
- Standard flue liners with socket uppermost
- Voids filled with suitable insulating material
- Support block and adaptor for connection to flue pipe
- Cast in situ slab to support chimney
- Glass fronted insert fire
- Suitable foundation and hearth
- Insert Fire
- Continue to build chimney as in free standing stove
- Support block and adaptor for connection to flue pipe
- Cast in situ slab to support chimney
- Glass fronted insert fire
- Suitable foundation and hearth
- Free Standing Stove

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Drawings courtesy of Schiedel Chimney Systems
Open Fires

Clay Concrete & Pumice
- Chimney Systems

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Drawings courtesy of Schiedel Chimney Systems

Chimney Breast Bend Kit
Two Bend Kits are available. The Breast Bend Kit allows the flue to be removed from 200 - 400mm within the chimney breast. The Standard Bend Kit allows the flue to be moved horizontally as desired so long as it is supported in the traditional manner.
Open Fires

Clay Concrete & Pumice
- Chimney Systems

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Drawings courtesy of Schiedel Chimney Systems except Standard Methodology for Clay, Concrete & Pumice Liners; courtesy of Wavin.
Open Fires

Clay Concrete & Pumice - Liners

Terminated with chimney pot
Sand/cement flaunching
Chimney tray and flashing

Joints sealed with suitable flue jointing compound
Standard flue liners with socket uppermost
Voids filled with suitable insulating material

Flue liners jointed with flue liner jointing compound
Chimney stack

Void
Chimney breast
Lightweight insulating infill
Decorative fireplace surround
Superimposed quarry tile hearth
Constructional hearth

Standard Methodology for Clay, Concrete & Pumice Liners

Suitable lintel
Firechest
Firebrick lining

Pumice Liners with Preformed Wood Burning Firechest

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Drawings courtesy of Schiedel Chimney Systems
Wood Burning & Multi Fuel Appliances

Chimney Fan System

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Drawings courtesy of Exodraft
Examples of Terminals

Examples of Stainless Steel Terminals, Birdguards & Anti-Downdraught Terminals

Birdguard fitted to Chimney Pot

Raincap fitted to Chimney Pot

Solid Fuel Anti-Downdraught fitted to Chimney Pot (with or without mesh)

Pot Hanger fitted to Twin Wall Flexible Liner

Birdguard Pot Hanger fitted to Twin Wall Flexible Liner (with or without mesh)

Anti-Downdraught Pot Hanger fitted to Twin Wall Flexible Liner (with or without mesh)

Birdguard fitted to Twin Wall System (with or without mesh)

Anti-Downdraught fitted to Twin Wall System (with or without mesh)

Installations show are by way of illustration only. Manufacturer’s installation instructions should always be consulted before installation.

Drawings courtesy of Brewer Cows
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