



PRODUCT RANGE

	AIRGAP	VERMICULITE	ROCKWOOL	MINERAL WOOL
REFERENCE	A	V	R	R
ANNULUS	25mm	25mm	50mm, 75mm, 100mm	50mm, 75mm, 100mm
USED IN	ALL TWINWALL FLUES	CONVENTIONAL TWINWALL FLUES	CONVENTIONAL TWINWALL FLUES	DELTA VENTS OR ULTRASEAL FLUES

TO SPECIFY ANY FLUE

Determine from this literature the Flue Reference, Insulation type and Annulus size.

EXAMPLE:

TF Flue, Vermiculite insulation & 25mm Annulus = **TF1V**

Insulated flues should always be considered in flue design because retaining the heat of the flue gasses increases buoyancy and reduces the risk of condensation and acid attack. The insulation also protects personnel and combustible materials in the building from exposure to heat.

FLUE SIZING

Boiler flue outlet sizes may give an indication of the flue size but they can be misleading, particularly on the very long or short flues.

Flue sizes should always be calculated by the specifier, the boiler manufacturer or the flue manufacturer.

Conventional flues must be designed to evacuate the products of combustion using natural buoyancy. Where this is not possible and it is necessary to pressurize the flue, a flue system capable of withstanding positive pressure must be used e.g. the Deltavent system.



The majority of A1 Bridge Flue chimney and exhaust systems are installed by our own in-house teams of fitters. Which together with our manufacturing base is covered within ISO9002.



PRODUCT REFERENCE

SF

QF2

AF

SA



DESCRIPTION

Low cost single wall Stainless steel.

Single wall, high grade Stainless steel.

A twin wall flue designed for use with gas fired appliances.

A twin walled flue system designed to provide an economy alternative to the TF flue range.

CONSTRUCTION

- LINER	430 or 304 Stainless steel	304 or 316 Stainless steel	Aluminium	304 grade stainless steel
- CASING			Stucco Aluminium or Aluzink	Stucco embossed aluminium
AVAILABLE SIZES	100mm - 1000mm	100mm - 1000mm	100mm - 1000mm	100mm - 1000mm
ANNULUS			From 25mm - 100mm	From 25mm - 100mm
INSULATION OPTIONS				
- STANDARD			Air gap	Vermiculite
- NON STANDARD			Vermiculite	Air gap / rockwool
CONNECTION				
- LINER	Crimped spigot & socket	Spigot & socket	Spigot & socket	Spigot & socket
- CASING		Clamp band	Clamp band	Clamp band
- SEALANT TYPE				

FUEL	Gas	Gas , oil	Gas	Gas , oil
MAXIMUM CONTINUOUS TEMP	540°C	540°C	260°C	540°C
MAXIMUM PRESSURE RESISTANCE CAPABILITY	Negative - zero	Negative - zero	Negative - zero	Negative - zero

FOUR HOUR FIRE RATED SYSTEMS

APPLICATION EXAMPLES

GAS FIRING - PRESSURE JET		With sealant		With sealant
GAS FIRING - BLOWN GAS				With sealant
GAS FIRING - ATMOSPHERIC BURNER	With sealant	With sealant	With sealant	With sealant
GAS FIRING - CONDENSING		With sealant		
GAS FIRING - HIGH EFFICIENCY				With sealant
CHP UNIT - WITH HEAT RECOVERY				
CHP UNIT - WITHOUT HEAT RECOVERY				
DIESEL GENERATOR				
CREMATOR / INCINERATOR				
FLUE DILUTION	With sealant	With sealant		With sealant
VENTILATION / EXTRACT	With sealant	With sealant		With sealant

EF

TA

TE

TF

HG



A twin walled economy flue designed for use with all gas firing appliances.

A twin walled flue system for use with both oil & gas fired appliances.

A twin walled flue system alternative for use with both oil & gas fired appliances.

A general purpose twin wall flue for use with oil & gas fired appliances.

A high quality twin wall flue for use with oil & gas fired appliances, where a higher specification is required.

430 grade Stainless steel

304 grade Stainless steel

304 grade Stainless steel

304 grade Stainless steel

316 grade Stainless steel

430 grade Stainless steel

Aluzink

430 grade Stainless steel

304 grade Stainless steel

304 grade Stainless steel

100mm - 1000mm

100mm - 1000mm

100mm - 1000mm

100mm - 1000mm

100mm - 1000mm

From 25mm - 100mm

From 25mm - 100mm

From 25mm - 100mm

From 25mm - 100mm

From 25mm - 100mm

Vermiculite

Vermiculite

Vermiculite

Vermiculite

Vermiculite

Air gap / rockwool

Air gap / rockwool

Air gap / rockwool

Air gap / rockwool

Air gap / rockwool

Spigot & socket

Spigot & socket

Spigot & socket

Spigot & socket

Spigot & socket

Clamp band

Clamp band

Clamp band

Clamp band

Clamp band

Gas

Gas , oil

Gas , oil

Gas , oil

Gas , oil

540°C

540°C

540°C

540°C

540°C

Negative - zero

Negative - zero

Negative - zero

Negative - zero

Negative - zero

4 hour fire rated systems

4 hour fire rated systems

4 hour fire rated systems

4 hour fire rated systems

4 hour fire rated systems

With sealant

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DELTAVENT SF

DELTAVENT

ULTRASEAL



A single wall lightweight system designed for use with a wide range of combustion equipment. Also ideally suited for smoke extract ducts.

A twin walled pressure resistant system, suitable for both low and high temp. applications.

The ideal twinwall flue system for high temperature applications





A1 Bridge Flue Systems are long established manufacturers of flue systems supplied throughout the U.K.

A1 Flue Systems may be tailor made to suit your exact requirements.



Installations are designed in house by our own design team, operating the latest computer technology.

All flue components are manufactured in our own factory using computer controlled pattern cutting and hand assembly. This allows for efficient production of standard

components & specials to be produced often without extended delivery dates.

Quality assurance to ISO9002
Cert. No. 1273/97



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Certificate No. 1273/97