



Introduction

Midtherm Flue Systems Limited is an independent British manufacturing company producing a wide range of flue and chimney products, along with associated components and services.

Established for over 30 years, Midtherm products are installed worldwide including Poland, Oman, Libya, Hong Kong China and the USA.

All products are controlled by a Quality Assurance System certified to ISO 9000.

Specification

Product

Midtherm Vitrelux Vitreous Enamelled Flue Pipe is a single wall product manufactured and coated to the highest standards and is suitable for use on gas, oil and multi-fuel appliances, rating upto 50kW output.

Materials

A superior grade zero carbon steel is used to manufacture all the components in this range. Following manufacture, components are coated both internally and externally with a ground coat and a top coat of high temperature resistant and acid resistant vitreous enamel coating. Due to the chemical specification of the steel used for this product, it provides an excellent surface for the glass coating to adhere to.

Temperature and Corrosion Resistance

The finish of the product meets the high temperature and thermal shock requirements of BS 1344 Parts 1 and 7 and conforms to Class A for resistance to products of combustion when tested in accordance with BS1344 Part 3.

Jointing System

Midtherm Vitrelux Vitreous Flue Pipe has been designed with a quick and easy to use socket and spigot jointing system, which is leak proof when sealed and installed as recommended. (See page 7 for installation instructions).

Access for Cleaning

Lengths, 15°, 30°, 45° and 90° Elbows are available with or without doors from stock. The doors accommodate cleaning requirements and are manufactured from brushed stainless steel, which allow the doors to be removed and re-fitted without chipping, whilst providing an aesthetic appearance.

Standard Colours and Diameters

Midtherm Vitrelux flue pipe is available from stock, in the following standard colours and diameters, unless otherwise stated:

Matt Black

Gloss Black

Gloss Brown

Gloss White

Diameter (mm)

Equivalent diameter (")

Code



100	4	04
125	5	05
150	6	06
180	7	07
200	8	08

Please Note: Use colours shown for indication only.

Typical Applications

Midtherm Vitrelux range is ideally suited for use on gas, oil and multi-fuel appliances rating up to 50kW. The product is generally used for between 250mm and 1.5m to connect onto an existing chimney or a twin wall Class I chimney system. (Please see separate brochures for flexible liners and our Class I chimney systems.)

The Manufacturer's Installation Instructions for your appliance will detail what diameter flue pipe is to be used from the appliance. This diameter will remain constant up to termination, unless otherwise stated.

How To Order

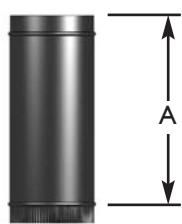
Midtherm Products all have individual codes, which if detailed on incoming orders reduces sales order processing time. This helps accuracy and can improve delivery times. Vitrelux products are coded as follows: -

Product Range Code / Item Code / Diameter (") prefixed with a '0' / Colour

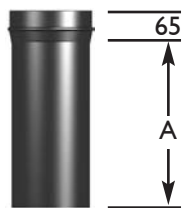
For example: -

03 / 01 / 05 Matt Black Signifies: Vitrelux / 1000mm length / 5" diameter (125mm) / in Matt Black.

Product Dimensions

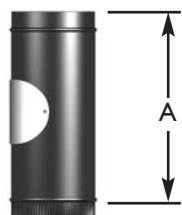


Length Without Door		VP
Effective Length A		Code
VP 1000	960mm	01
VP 500	460mm	02
VP 250	250mm	03
VP 75	75mm	04



Adjustable Length		AVP
Adjustable Length A		Code
AVP 500	65-450	05
AVP 250	65-245	06
AVP 150	65-145	07

Use in conjunction with pipe to form exact length



Length With Door		VPD
Effective Length A		Code
VPD 1000	960mm	08
VPD 500	460mm	09
VPD 250	250mm	36



Plain Ends		VPPE
Effective Length A		Code
VPPE 75	75mm	



90 Degree Tee	(VT90)			Code 10
	A	B	C	
Bore				
100	250	125	75	
125	280	140	90	
150	300	150	100	
180	330	165	115	
200	350	175	125	



45 Degree Tee	(VT45)			Code 11
	A	B	C	
Bore				
100	275	165	65	
125	315	190	70	
150	320	215	60	
180	380	240	65	
200	415	265	60	

Please Note:

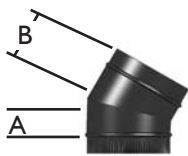
Tees are not supplied with a soot box, which must be ordered as a separate item.



Soot Box	(SB)	Code 12
Complete With Clip (VC)		



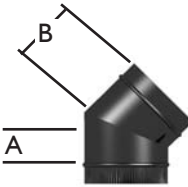
Clip	(VC)	Code 23
Optional extra for decorative finish on joint only.		



30 Degree Elbow Without Door (VE30)

Item Code 13

Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	88	92	95	99	102
B	78	82	85	99	102



45 Degree Elbow Without Door (VE45)

Item Code 14

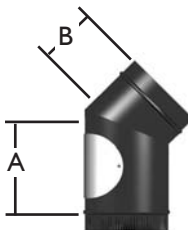
Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	96	101	106	112	116
B	86	91	96	112	116



30 Degree Elbow With Door (VED30)

Item Code 15

Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	163	167	170	174	177
B	78	82	85	99	102



45 Degree Elbow With Door (VED45)

Item Code 16

Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	156	161	161	175	156
B	86	91	96	112	116



15 Degree Elbow Without Door (VE15)

Item Code 17

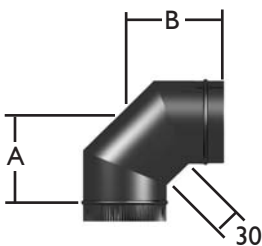
Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	82	83	85	87	88
B	72	73	75	87	88



15 Degree Elbow With Door (VED15)

Item Code 18

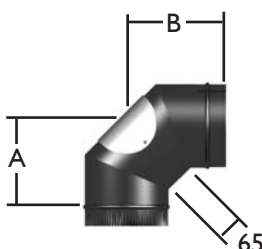
Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	157	173	180	182	183
B	72	73	75	87	88



90 Degree Elbow Without Door (VE90)

Item Code 29

Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	100	115	125	140	150
B	135	145	160	175	185



90 Degree Elbow With Door (VED90)

Item Code 19

Diameter Code	04	05	06	07	08
Bore	100	125	150	180	200
A	125	140	150	165	175
B	160	170	185	200	210

Offset Dimensions for Elbows

Two elbows without door



Bore				
100	125	150	180	200

Offset (O)	VE15 / VE15	40	41	41	45	46
	VE30 / VE30	83	87	90	99	102
	VE45 / VE45	128	136	143	159	165

Height (H)	VE15 / VE15	301	308	314	341	347
	VE30 / VE30	311	324	336	370	380
	VE45 / VE45	310	327	345	383	397

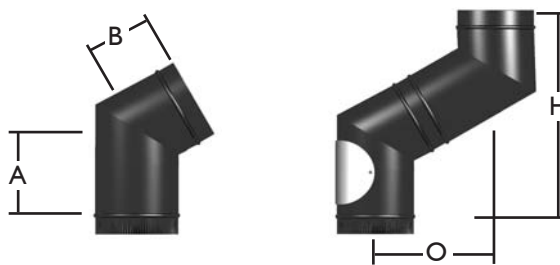
Elbow with door followed by elbow without door



Offset (O)	VED15 / VE15	59	64	66	70	70
	VED30 / VE30	121	124	128	137	139
	VED45 / VE45	171	178	185	191	193

Height (H)	VED15 / VE15	376	398	409	436	442
	VED30 / VE30	386	399	411	445	455
	VED45 / VE45	370	387	400	428	437

AGA 112 Degree Elbows



112 Degree Elbow Without Door		AGA112	Code 26
Diameter	A	B	Offset (O) Height (H)
100	114	99	195 292

112 Degree Elbow With Door		AGAD112	Code 27
Diameter	A	B	Offset (O) Height (H)
100	114	99	195 292

Other Components

Replacement Cleaning Access Doors



Pipe Size
Stainless Steel
Matt Black

	4" Pipe	5"-8" Pipe
Stainless Steel	03/50/04	03/50/05
Matt Black	03/51/04	03/51/05



Pipe Increaser (VI)	Code 20			
Diameter Code	05	06	07	08
Bore	100	125	150	180
Increase To	125	150	180	200

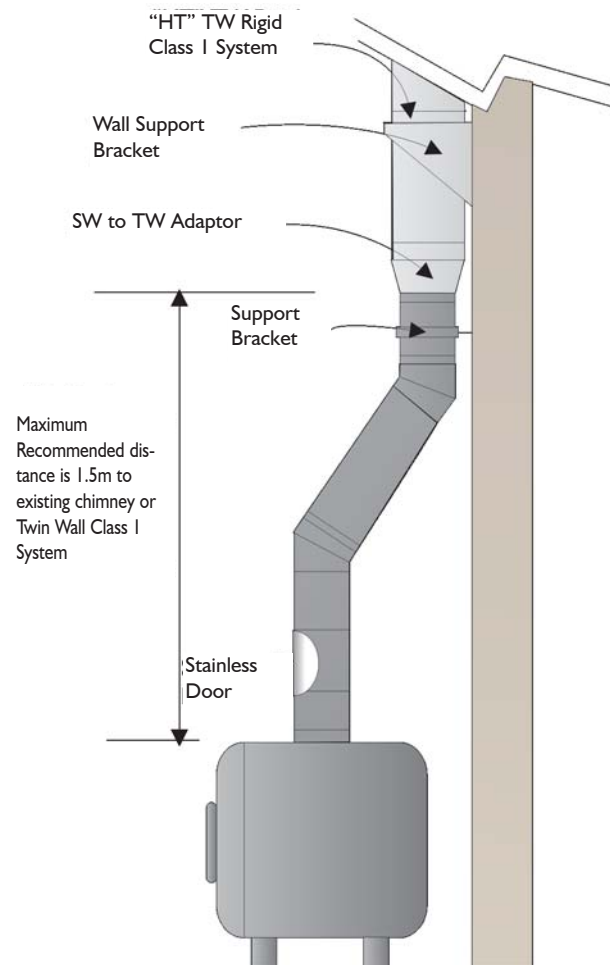
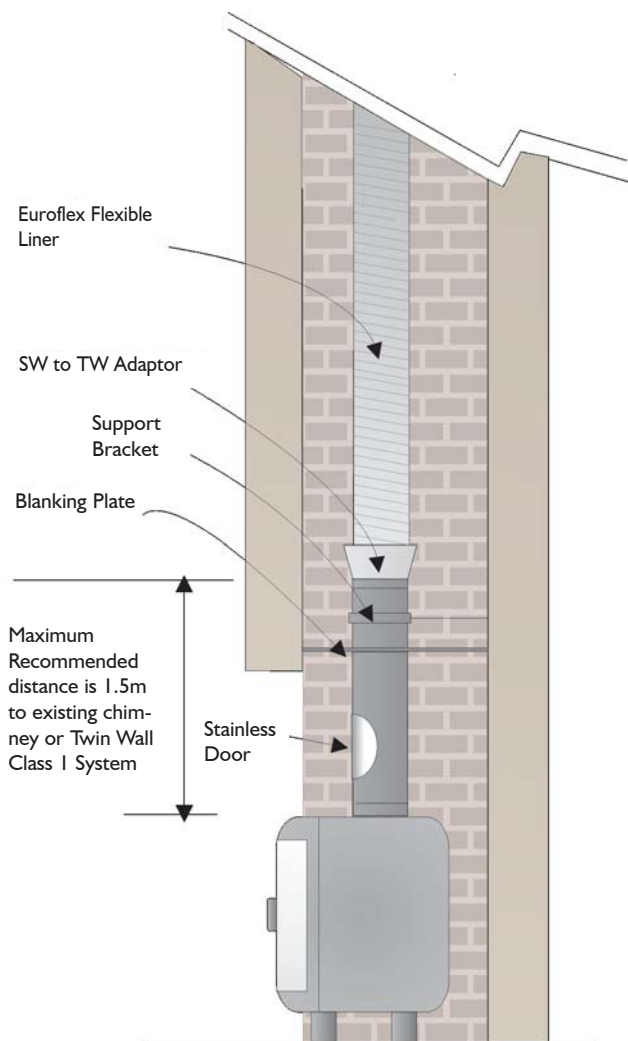


Bracket (VB) Code 21
Standard length bracket will position flue 225mm away from wall.
Manufactured in stainless steel.



Rosette (VR) Code 24

Provides a neat finish where the flue penetrates a non combustible wall.



- Vitrelux Vitreous Enamel flue pipe should only be used to connect from the appliance into an existing lined chimney, or a class I twin wall insulated stainless steel chimney. Under no circumstances is Vitrelux to be used externally or to line an existing chimney.
- We recommend no more than 1.5m of Vitrelux be installed from the appliance to the existing chimney, twin wall class I system or euroflex multifuel liner to avoid excessive condensation.
- Vitrelux pipe should be fitted a minimum of three times diameter away from combustible material, e.g. 150mm diameter pipe should be at least 450mm from such material.
- Vitrelux should be fitted with socket uppermost, spigot (crimped end) downward. Thus, no condensate can escape to spoil the appearance of the finished installation.
- Each joint must be coated with a jointing compound, High Temperature Fire Cement, (1200° C), to ensure gas-tight fit. A clip may be added to provide a decorative finish.
- Where single wall flue passes through a brick wall, we recommend that a wall sleeve (short piece of duct the next diameter up) should be used around the pipe. The gap can be sealed with non-combustible insulation material.

Midtherm Profile

Product Range	
SW430 and SW304	Single Wall flue systems manufactured in 430 BA and 304 BA suitable for use on gas and oil fired equipment.
Vitrelox	Vitrelox flue pipe with high temperature and acid resistant vitreous enamel coating. Available in four colours.
SW Galv	Single Wall Ductwork manufactured in aluzinc coated mild steel, for ventilation, extraction and flue dilution systems.
SW316	SW 316 heavy stainless steel rigid liner for gas,oil and solid fuel, available in 1mm and 22g.
CPS	SW316 fully welded flue system for a range of uses including condensing boilers.
GV	Twin wall gas vent flue for internal and external use on domestic gas fired appliances fitted with a draught diverter.
TL	Twin wall stainless steel flue pipe for oil, gas and solid fuel appliances.
LTZ	Twin wall flue for internal and external use on gas and oil fired domestic and small commercial appliances.
LD/GV	Twin wall Aluminium flue system for use on gas and oil fired appliances.
PS	Single & twin wall systems with a welded inner liner for pressures upto 1700mm wg, and a flanged product for higher pressures.
LT/SS , MT, HT	Twin wall insulated flue systems for a range of uses.
Accessories	Includes : Lead Slates, Draught Stabilisers, Terminals & Draught Divertors.
Flexible Products	Gas & Oil Flex packs, Euroflex Plus, Midflex
Rotorvent	Rotorvent spinning terminals.
Masterflash	Silicone and EPDM Flexible roof flashing.
Combivent	Roof Mounted units for combined exhaust and low / high level boiler room ventilation.
Windvent	Energy Efficient Roof mounted ventilation system.
Fluevent / Fan Dilution	Fan assisted flue units and dilution systems.
Radiant Tube Heaters	Gas fired radiant tube heaters for industrial and commercial use.
Other Services	Commercial and Industrial design, supply and installation service. Sub-Contract Laser Profiling.



Midtherm has a wide range of products available that comply with Building Regulations, British and International Standards.

Our quality assurance system is accredited with ISO9002.



Midtherm Flue Systems Limited
New Road, Netherton
Dudley, West Midlands
DY2 8SY

Tel: +44 (0) 1384 458800
Fax: +44 (0) 1384 458811
Email: sales@midtherm.com
Web: www.midtherm.com