

Vitrelox

2017



Single Wall
Connecting Flue System

For: Multifuel
Woodburning
Biomass
Pellet
Gas and oil applications

Made in the UK.
102mm to 202mm
available from stock

0333 456 8000
www.midtherm.co.uk



Single Wall Vitrelox

High Temperature Connecting Flue System

Vitrelox flue pipe is a single wall connecting flue pipe with a high temperature, acid resistant enamel coating. Manufactured from 1.0mm zero carbon steel from size 127mm to 202mm and 0.9mm in 102mm only. Available in both a matt and 102mm to 153mm in gloss black finish. Lengths and elbows are available with doors which allow for cleaning access and can be removed and refitted without chipping. Also available with a more economical 0.6mm version "EcoVit"

Vitrelox products are all manufactured and stocked at our factory in the United Kingdom allowing for fast delivery.

- Suitable for: *Gas and Oil
Solid Fuel
Multifuel
Pellet
Biomass*
- Available from stock in 102mm to 202mm
- EcoVit available from stock, 127mm to 153mm on selected products



1 Year Warranty

Available for registered and properly maintained Vitrelox installations, please see our website for full details, requirements and registration.

Quality Assurance

Midtherm Vitrelox is manufactured under our ISO 9001 accredited quality management system, with CE Certification, and we are also a HETAS Registered manufacturer.



Vitrelox Specification

Internal Diameter (Socket Sizes)	Product Dia. Order Code	04	05	06	07	08
	I/D mm	102mm	127mm	153mm	180mm	202mm
External Diameter	O/D mm	105mm	130mm	156mm	183mm	205mm
Spigot Sizes	I/D mm	97mm	121mm	147mm	175mm	197mm
	O/D mm	99mm	124mm	150mm	178mm	200mm

Construction	1.0mm Zero Carbon Steel in sizes 127mm to 202mm and 0.9mm in 102mm only. Coated with two layers of high temperature and acid resistant vitreous enamel. Precision rolled and laser welded pipe, continuous seam weld on bends.
Max Operating Temp	600 degrees C normal operating. Soot fire resistance 1000 degrees C.

Vitrelox Designations

Designation Type	Product BS EN 1856-2 Connecting flue pipe	Installation Designation
Connecting Flue pipe 127mm to 202mm	EN 1856-2 T600 N1 D VmL80100 G600	T600 N1 D3 G
Connecting Flue pipe 127mm to 202mm	EN 1856-2 T450 N1 D VmL80100 G500	T450 N1 D3 G
Connecting Flue pipe 102mm	EN 1856-2 T600 N1 D VmL80090 G600	T600 N1 D3 G
Connecting Flue pipe 102mm	EN 1856-2 T450 N1 D VmL80090 G500	T450 N1 D3 G
Please Note:	Designations only apply to systems installed in compliance with the appropriate installation instructions.	

EcoVit Specification

Internal Diameter	Product Dia. Order Code	05	06
	I/D mm	127mm	153mm
External Diameter	O/D mm	129mm	155mm
Spigot Sizes	I/D mm	122mm	148mm
	O/D mm	124mm	150mm

Construction	0.6mm Zero Carbon Steel, Coated with two layers of high temperature and acid resistant vitreous enamel. Precision rolled and laser welded pipe, continuous seam weld on bends.
Max Operating Temp	450 degrees C normal operating, Soot fire resistance 1000 degrees C.

EcoVit Designations

Designation Type	Product BS EN 1856-2 Connecting flue pipe	Installation Designation
Connecting Flue pipe 127mm & 153mm EcoVit	EN 1856-2 T600 N1 D VmL80060 G600	T600 N1 D3 G
Connecting Flue pipe 127mm & 153mm EcoVit	EN 1856-2 T450 N1 D VmL80060 G600	T450 N1 D3 G
Please Note:	Designations only apply to systems installed in compliance with the appropriate installation instructions.	

Product Codes included in this brochure

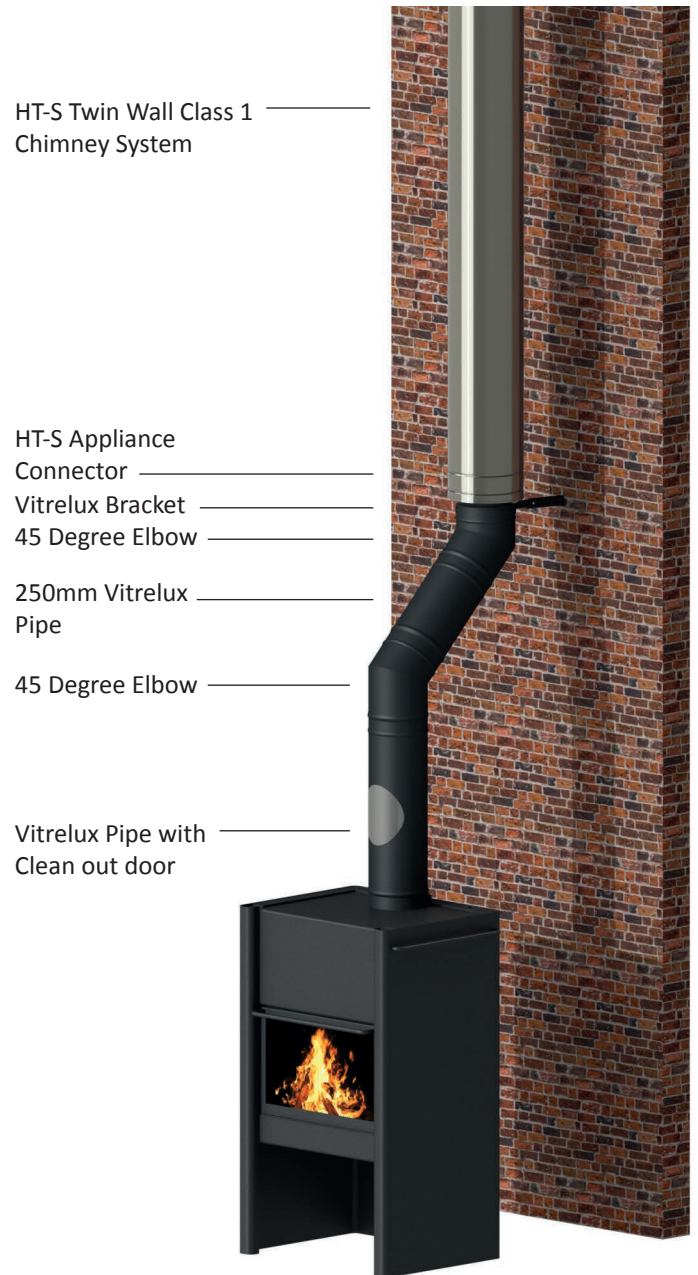
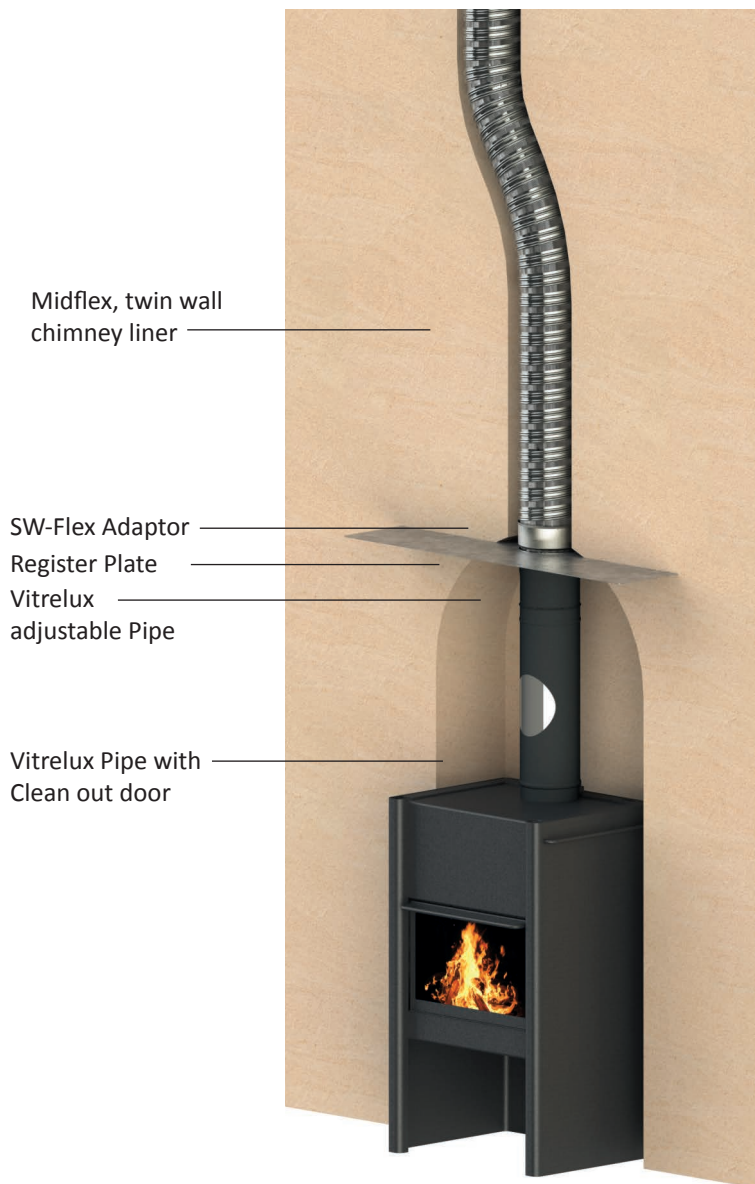
Product	Code No	Notes
Vitrelox	03	For Eco Vit - Request Product code 49
Gloss Black Vitrelox	23	Only available in 102mm to 153mm
Eco Vit	49	Selected Products in Matt Black 127mm & 153mm
Ancillaries	00	See Page 5

EcoVit products are marked with a “+” throughout the brochure. Replace “03” with “49”

Typical Installations

Installing Vitrelux to HT-S

Installing Vitrelux to Midflex



Installation Requirements

Vitrelox and Ecovit are used to give a sleek and stylish finish to the internal visible section of a system. Vitrelox must only be used to connect an appliance into an existing chimney or appropriate flue system such as our HT-S and Midflex range.

Midtherm's Flue systems are designed to safely and legally carry away toxic fumes and exhaust heat without risk of fire, therefore it is required that all installations are carried out by accredited installers and in compliance with all current regulatory requirements.

Cleaning Access must be provided either through the appliance or removable access doors available in our components.

Chimneys should be swept and inspected annually as a minimum to prevent soot deposits forming that could lead to blockages or soot fires.



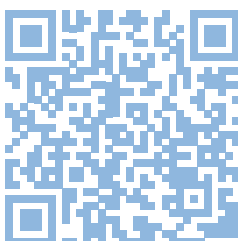
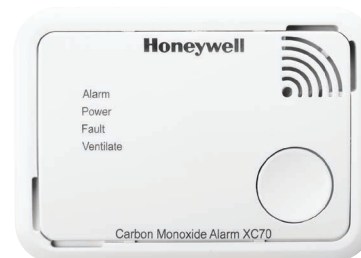
Midtherm Flue Systems Ltd.		IMPORTANT SAFETY INFORMATION - This label must not be removed or covered	
Property Address: The Heaths & Chimney installed in the			
App suitable for:			
Product Type:	System Chimney <input type="checkbox"/>	Metal Liner <input type="checkbox"/>	
Product Name:			
Installation Designation:	EN 1443 - T		
Example:	EN 1443 - T100 - N1 - D3 - G500		
Suitable for Condensing Appliances:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Distance to Combustibles in mm:			
Nominal Size:	150 <input type="checkbox"/>	180 <input type="checkbox"/>	200 <input type="checkbox"/>
	250 <input type="checkbox"/>	300 <input type="checkbox"/>	350 <input type="checkbox"/>
	Other _____ mm		
Product Type:	Connecting Flue Flow <input type="checkbox"/>	Product Name:	
Installation Designation:	EN 1443 - T		
Example:	EN 1443 - T100 - N1 - D3 - G500		
Suitable for Condensing Appliances:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Distance to Combustibles in mm:			
Nominal Size:	150 <input type="checkbox"/>	180 <input type="checkbox"/>	200 <input type="checkbox"/>
	250 <input type="checkbox"/>	300 <input type="checkbox"/>	350 <input type="checkbox"/>
	Other _____ mm		
Installer's Company Name:	Installed On:		
Installed by:			
Address and Telephone No:			
Other information:			
See www.midtherm.co.uk for warranty information			

To comply with building regulations, a completed data plate must be installed and on display with all new installations.

Order Code 009000

Carbon Monoxide alarms are required with all installations. We stock the Honeywell XC70 which features a 7 year life span and warranty.

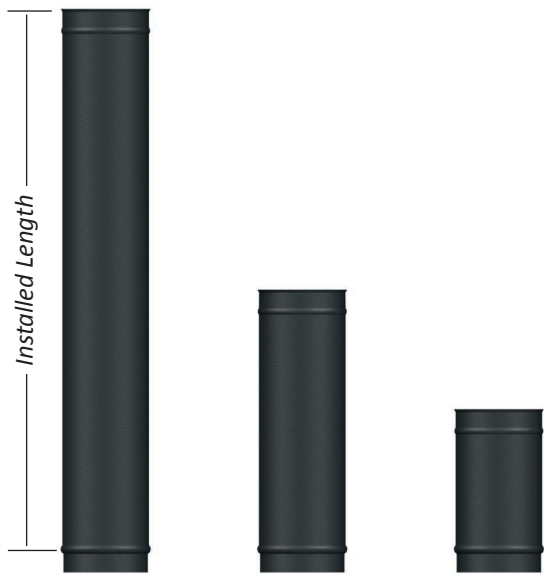
Order Code 009000A



Please contact us or visit our website for: detailed certification, installation, maintenance and warranty details.

www.midtherm.co.uk, under the product page.

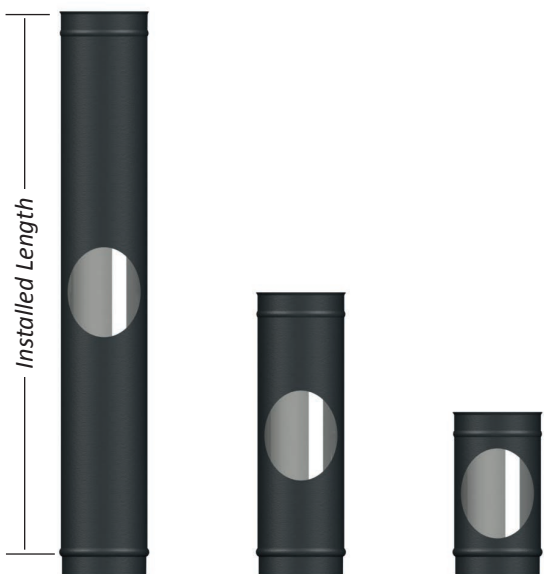
Lengths



Standard Lengths (VP)

<i>Length</i>	<i>Installed Length</i>	<i>Code</i>
1000mm ⁺	960mm	0301**
500mm ⁺	460mm	0302**
250mm ⁺	250mm	0303**
75mm	75mm	0304**

Standard fixed lengths for installation directly from an appliance.



Standard Lengths with clean out door (VPD)

<i>Length</i>	<i>Installed Length</i>	<i>Code</i>
1000mm ⁺	960mm	0308**
500mm ⁺	460mm	0309**
250mm	250mm	0336**

Provides cleaning access for the flue. Door in brushed stainless steel finish as standard. Available with a Matt Black door.

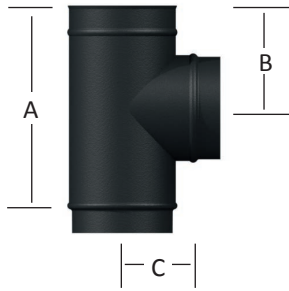


Adjustable Lengths (AVP)

<i>Length</i>	<i>Installed Length</i>	<i>Code</i>
500mm	75-450mm	0305**
250mm	75-200mm	0306**
150mm	75-100mm	0307**

Adjustable lengths slide inside a fixed length to give you an adjustable height.

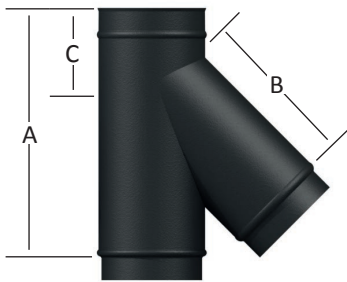




90 Degree Tee+ (VT)

Code 0310**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	250	280	300	330	350
B	125	140	150	165	175
C	78	93	105	117	127



45 Degree Tee (VT)

Code 0311**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	300	310	365	412	435
B	231	238	260	300	331
C	94	99	105	111	111



Soot Box (SB)

Code 0312**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	75				

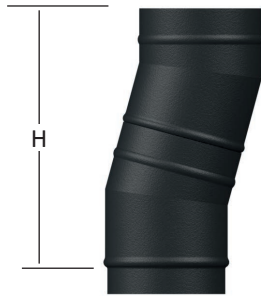
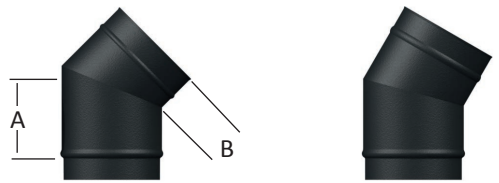
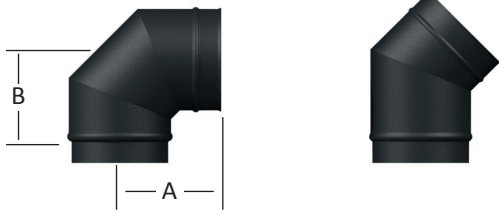


Plain Ends (VPPE)

Code 0328**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	75				

Elbows



90 Degree Elbow* (VE)

Code 0329**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	82	83	85	87	88
B	72	73	75	87	88

45 Degree Elbow* (VE)

Code 0314**

A	96	101	106	112	116
B	86	91	96	112	116

30 Degree Elbow* (VE)

Code 0313**

A	88	92	95	99	102
B	78	82	85	99	102

15 Degree Elbow (VE)

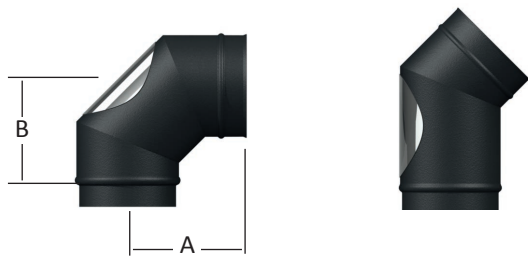
Code 0317**

A	82	83	85	87	88
B	72	73	75	87	88

Offset Dimensions For Elbows

Diameter Code			04	05	06	07	08
Length	Elbow	Dim	100	130	150	180	200
Without Length	15	O	40	41	41	45	46
		H	301	308	314	341	347
	30	O	83	87	90	99	102
		H	311	324	336	370	380
	45	O	128	136	143	159	165
		H	310	327	345	383	397
1000	15	O	288	289	289	293	294
		H	1228	1235	1241	1268	1274
	30	O	563	567	570	579	582
		H	1142	1155	1167	1201	1211
	45	O	807	815	822	838	844
		H	989	1006	1024	1062	1076
500	15	O	156	159	160	164	165
		H	745	752	758	785	791
	30	O	313	317	320	329	332
		H	709	722	734	768	778
	45	O	453	461	468	484	490
		H	635	652	670	708	722
250	15	O	105	106	106	110	111
		H	542	549	555	582	588
	30	O	208	212	215	224	227
		H	528	541	553	587	597
	45	O	305	313	320	336	342
		H	487	504	522	560	574
75	15	O	59	60	60	64	65
		H	373	380	386	413	419
	30	O	121	125	128	137	140
		H	376	389	401	435	445
	45	O	181	189	196	212	218
		H	363	380	398	436	450

Elbows with clean out door



90 Degree Elbow⁺ (VED)

Code 0319**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200
A	125	140	180	182	183
B	72	73	75	87	88

45 Degree Elbow⁺ (VED)

Code 0316**

A	156	167	161	156	156
B	86	91	96	112	116

30 Degree Elbow⁺ (VED)

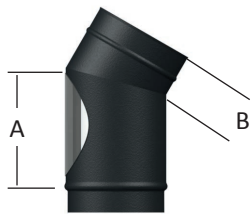
Code 0315**

A	163	167	170	174	177
B	78	82	85	99	102

15 Degree Elbow (VED)

Code 0318**

A	157	173	180	182	183
B	72	73	75	87	88



Offset Dimensions For Elbows

Diameter Code			04	05	06	07	08
Length	Elbow	Dim	100	130	150	180	200
Without Length	15	O	40	41	41	45	46
		H	376	398	409	436	442
	30	O	83	87	90	99	102
		H	386	399	411	445	455
	45	O	128	136	143	159	165
		H	370	394	400	428	437
1000	15	O	288	289	289	293	294
		H	1303	1325	1336	1363	1369
	30	O	563	567	570	579	582
		H	1217	1230	1242	1276	1286
	45	O	807	815	822	838	844
		H	1049	1073	1079	1107	1116
500	15	O	159	160	161	164	165
		H	822	841	854	881	885
	30	O	313	317	320	329	332
		H	783	798	809	843	854
	45	O	453	461	468	484	490
		H	696	719	725	752	761
250	15	O	105	106	106	110	111
		H	619	639	651	679	683
	30	O	208	212	215	224	227
		H	601	616	627	660	672
	45	O	305	313	320	336	342
		H	547	571	577	603	613
75	15	O	59	60	61	64	65
		H	450	469	482	510	513
	30	O	121	125	128	137	140
		H	450	465	476	509	521
	45	O	181	189	196	212	218
		H	424	447	453	479	489



Sundry Components



Replacement Cleaning Access Doors

Pipe Size	4" Pipe	5"-8" Pipe
Matt Black	033204	033205
Stainless Steel	033204A	033205A

Brushed Stainless Steel supplied as standard, please specify if matt black is required.



Pipe Increaser (VI)

Code 0320**

Diameter Code	05	06	07	08
Internal Diameter	130	150	180	200
Installed height	80			

Used to increase flue diameter.



Bracket (VB)

Code 0321**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200

Adjustable wall bracket 200mm-275mm from the wall.
Supplied in black as standard.



Clip (VC)

Code 0323**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200

Manufactured from stainless steel to provide a neat finish to joints.



Rosette (VR)

Code 0324**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200

Provides a neat finish where flue penetrates a non-combustible wall.
Alternatively trim plates are available and are made to order supplied in stainless steel finish as standard.



Vit Cut Length Adapter (VCLA)

Code 0337**

Diameter Code	04	05	06	07	08
Internal Diameter	100	130	150	180	200

Where no other solution is available this adaptor allows the Vitrelex pipework to connect to the flue system once it has been cut to size.

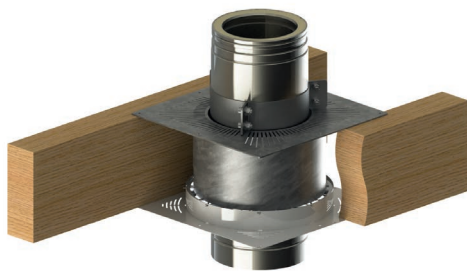
Twin Wall HT-S

High Temperature Insulated Flue System

HT-S is used when there is no existing brick chimney, and can be used both internally and externally.

Designed with a sleek modern appearance, easy and consistent connection, with laser welded seams and machine formed joints using the latest techniques and technology.

HT-S products are all manufactured and stocked at our factory in the United Kingdom allowing for fast delivery and on-demand manufacturing for any special requirements.



Twin Wall Midflex

Flexible Flue Liner

Midtherm Midflex is a class 1 flexible flue liner, that is produced in both 316L and 904L grade Stainless Steel. It is used in existing brick chimneys to line the inside of them.

Midflex has been tested for a maximum operating temperature of 600 Degrees C.

Manufactured and stocked at our Factory in the United Kingdom using the latest techniques and technologies, ensures a high quality product.



Other connecting systems may be suitable depending on installation requirements.

HT-S

Midflex

The Midtherm Family



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sales@midtherm.co.uk /MidthermFlue
UK Reg. 00936960

Midtherm Flue Systems is a family owned UK Business with over 40 years in the flue industry.

Committed to providing excellence in both our products and service.

With one of the largest flue manufacturing, storage and distribution facilities in the UK, we are able to supply direct from stock and rapidly produce for domestic, commercial and industrial customers worldwide.



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Midtherm Powder Coating Limited
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Midtherm Stainless Limited
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