

THERMINOX

Wood

Solid Fuel

Gas

Oil

Twin wall insulated system

High quality stainless steel twin wall pre-insulated "system chimney" for heating appliances.

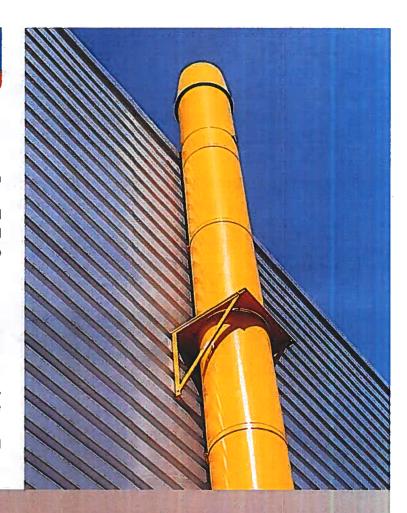
A continuously welded liner provides a pressure and moisture resistant system when used with the optional Joint Seal, for applications requiring pressure tightness up to 200 Pa.

Model options:

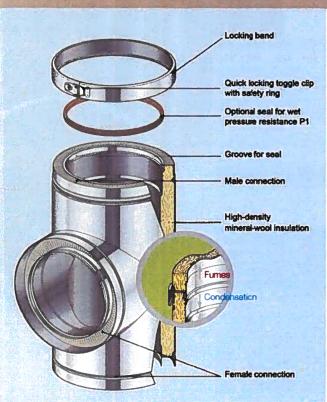
TI for external and internal use ZI for internal use only Factory painted to a RAL Number colour

CE marked and designated as suitable for use with all gas, oil, pellet and wood burning appliances, whether these are atmospheric, pressure-jet, or fully condensing.

Complete with a comprehensive range of standard accessories to suit all applications and environments



BENEFITS

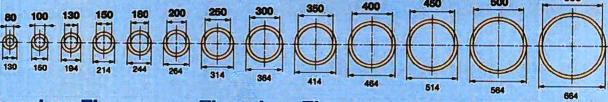


- **OPTIMISATION:** High thermal performance ensures maximum efficiency of chimney operation and minimum use of space in the building with rapid stabilisation of flue gas temperatures to optimise chimney operation.
- **PERFORMANCE:** CE marked BSEN 1856-1 and 4 hour fire rating to BS476.
- **SAFETY:** Exceptionally strong joints only require brackets at 4 metres intervals, with up to 16 metres on a base support with up to 3 metres free-standing capability.
- **INSTALLATION:** easy to install: Simple push fit joints secured with quick action toggle clip Locking Band, wide range of quality engineered support components with exceptional ability to adjust to suit the building fabric.
- **INNOVATION:** Perfect adaptor solutions to all appliance outlets and type, providing a correct sealed connection.
- AESTHETIC: Exceptionally good looking chimney with recessed locking bands integrated support bracketry plus excellent flashing/ weather plate arrangements, to suit all roof types.

Technical data



Outer



Therminox TI External use





Inner: 316L Outer: St. Steel

Therminox ZI Internal use





Inner: 316L Outer: Aluzino

CERIC



C E 0071 CPD 011 BS EN 1856-1

<u>Ø80 to Ø350</u> T450 N1 W V2 L50 040 G50 T250 N1 W V2 L50 040 O20 T200 P1 W V2 L50 040 O20*

Ø400 to Ø600 T450 N1 W V2 L50 050 G50 T250 N1 W V2 L50 050 O20 T200 P1 W V2 L50 050 O20*

* Requires joint seal

MATERIAL SPECIFICATION

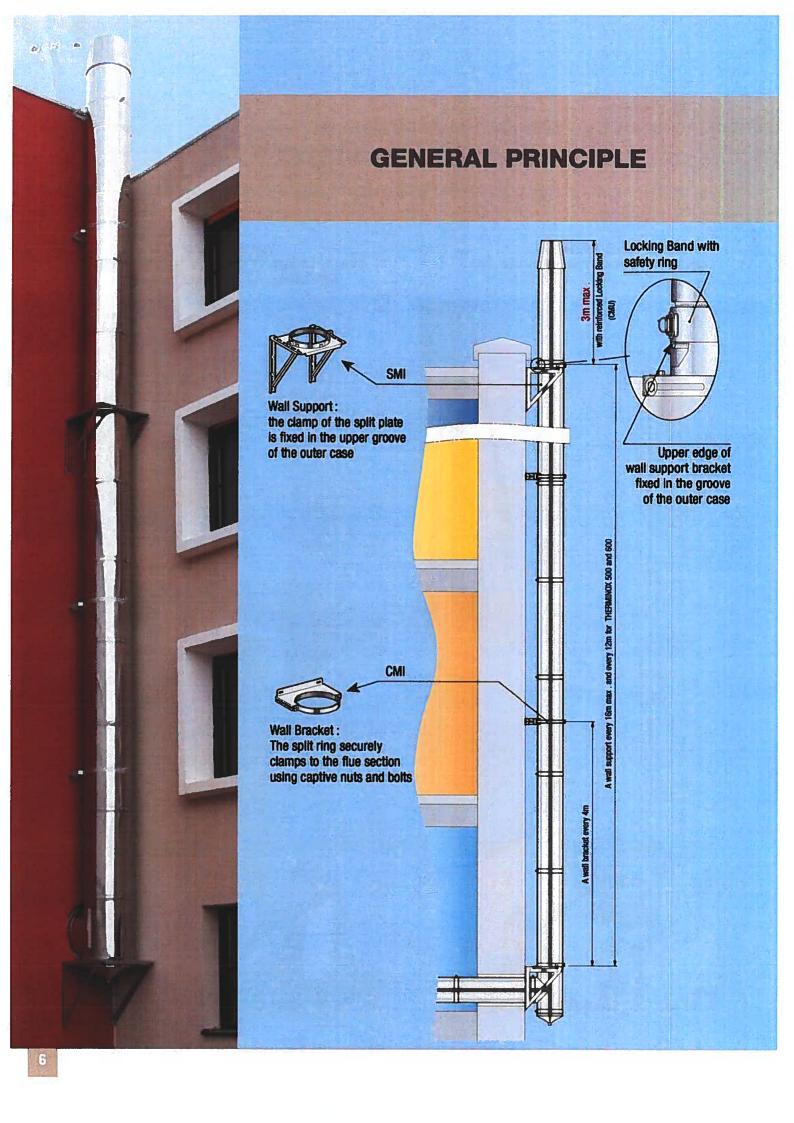
Therminox TI & ZI

Inner 0	80	100	130	150	180	200	250	300	350	400	450	500	600
Outer 0	130	150	194	214	244	264	314	364	414	464	514	564	664
Inner wall Material	AISI 316L stainless steel												
Thickness	0.4 mm 0.5 mm												
Outer wall Therminox TI	Stainless steel												
Outer wall Therminox ZI	Aluzinc												
Thickness	0.4 mm 0.5 mm						0.6 mm						
Insulation	High pressure injected mineral wool 130 Kg/m³												
Thickness	25 mm 30 mm												
Thermal resistance TI in m? *k/W by 200°C	0.45	0.45	0.533	0.531	0.529	0.529	0.528	0.527	0.527	0.527	0.527	0.527	0.527

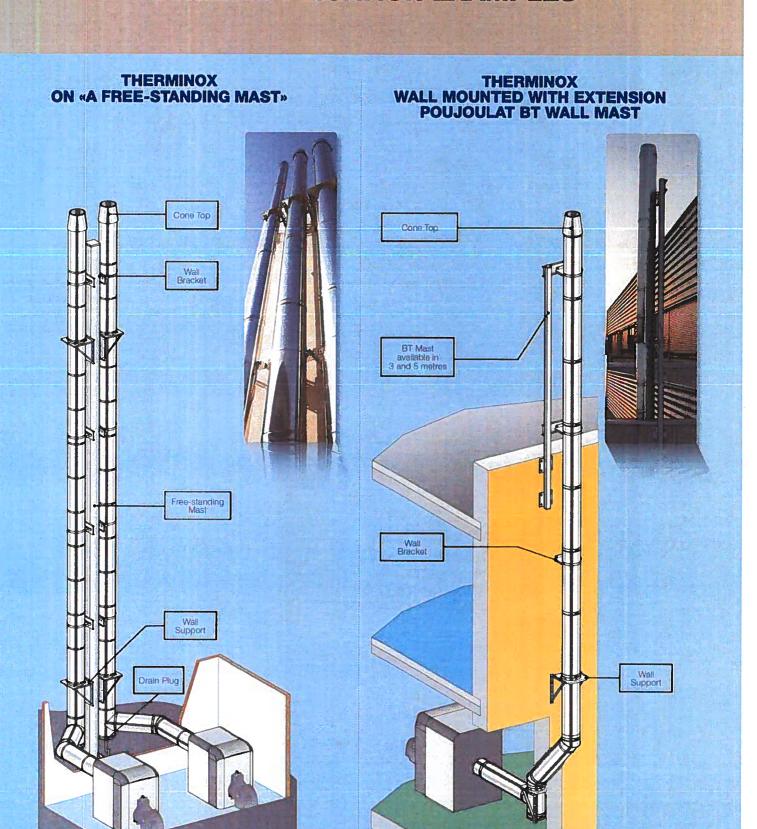
Chimney BSEN 1856-1 : Cert. 0071-CPD-0011 (TI/ZI)

	Normal operating temperature	Pressure level	Resistance to condensate	Corrosion resistance	inner wall thickness	Thermal performance G:sootfie resistant Distance to combustible mat. 25 mm min. U:not for sootfier resistant use Distance to combustible mat. 25 mm min.	
0071-CPD-0011 0071-CPD-0012	T450 = 450°C T200 = 200°C T160 = 160°C	N1 : negative pressure P1 : positive pressure (up to 200 Pa)	W = wet (condensation) D = dry (no condensation)	Inner wall material V2L50 = Mat. Nr 1/4404 (AISI 316L)	040 = 0.4 mm (080-3500) 050 = 0.5 mm (400-6008)		
TI/ZI without seal	out seal T450 N1		W	V2L50	040	G50	
TI/ZI without seal	T250	N1	W	V2L50	040	020	
TI/ZI with seal	T200	P1	W	V2L50	040	020	
TR/ZR* without seal	T160	N1	W	V2L50	040	020	
TR/ZR* with seel	T160	P1	W	V2L50	040	020	

^{*} TR/ZR Air Gap insulated, available to order



OTHER APPLICATION EXAMPLES



800 FLUEBOOST

flueboost 800 • gas fire model



The flueboost is a box shaped unit with in line spigots for the flue connection, a pressure switch to ensure safe operation and plug-in electrical fittings for easy connection, all within a compact package.

HELPLINE

01565 755599



GAS FIRE MODEL

FAN MUST BE 1 METRE AWAY FROM FIRE PLACE OPENING MIN 300mm REQUIRED AWAY FROM ANY BEND LOCAL ISOLATION BY FAN FLUEBOOST CONTROL REMOTE SWITCH MAINS MAX FIRE OPENING SIZE

ADVANTAGES OF AN INLINE FAN

- The ideal solution for listed buildings
- No need for scaffolding/cherry picker to install or for service/repairs
- Easy to maintain
- Can be located in loft/roof void/chimney stack so not an eyesore
- Not open to the elements giving a longer lifespan

CAPACITY AND RANGES

It will handle flue gases at up to 300 Deg.C dependant on size and length of flue. The fan is suitable for fireplaces with a maximum constructional opening of $1m^2$. Ideally the flue gas velocity should be between 2.5-4 m/s. Please contact Flueboost prior to purchase to confirm the recommended duct diameter most suitable for the installation.

MOTOR

The motor is variable speed and has a centrifugal rotor with secondary cooling impeller, Class F windings and maintenance free sealed ball bearings with adequate lubrication to ensure reliable operation for many years.

CONNECTIONS

The unit is supplied with a six core number coded lead.

Cable No.1: N/O
Cable No.3: Common
Cable No.5: Neutral
Cable No.5: Neutral
Cable No.5: Neutral
Cable No.2: N/C

PRESSURE SWITCH

The unit features an approved fail-safe function (Gas Appliance Directive 2009/142/EC) which will cut off the gas supply in the event of fan failure or flue blockage.

INSTALLATION AND MAINTENANCE

The unit can be fitted horizontally or vertically and located in a ceiling or roof void which allows easy access for maintenance.

FINISH

The unit is constructed from mill finish grade 304 stainless steel.

ELECTRICAL DETAILS

220/240 Volt; Single Phase; 195watt. Starting current 1.5 Amp. Running current 0.7 Amp.

WEIGHT

18.2 Kg.

Note: Please contact Flueboost if the unit is being installed with a sealed appliance.

FLUEBOOST HELPLINE

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