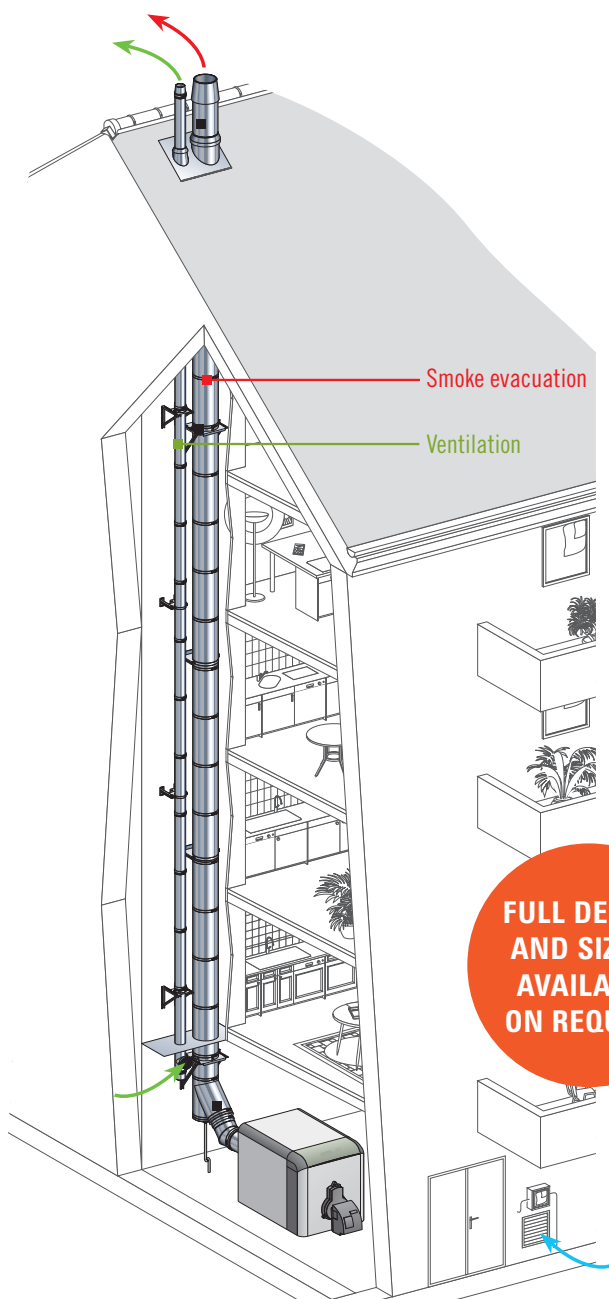
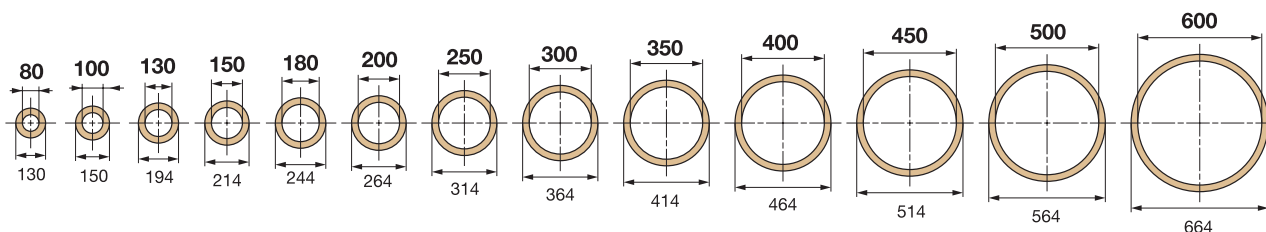


THERMINOX TI/ZI

TWIN WALL INSULATED SYSTEM

THERMINOX is a 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. Available as TI with a bright polished stainless steel outer case and for internal use our ZI has a galvanised steel outer casing. THERMINOX is 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.



**FULL DESIGN
AND SIZING
AVAILABLE
ON REQUEST**



CE

0071-CPR-0014
BS EN 1856-1

Ø80 to Ø300

T450 N1 W V2 L50 040 G50
T250 N1 W V2 L50 040 O20
T200 P1 W V2 L50 040 O20*

Ø350 to Ø450

T450 N1 W V2 L50 050 G75
T250 N1 W V2 L50 050 O30
T200 P1 W V2 L50 050 O30*

Ø500

T450 N1 W V2 L50 050 G100
T250 N1 W V2 L50 050 O40
T200 P1 W V2 L50 050 O40*

Ø600

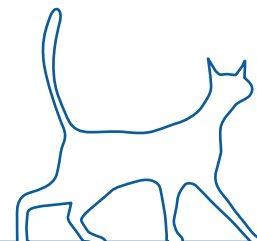
T450 N1 W V2 L50 060 G100
T250 N1 W V2 L50 060 O40
T200 P1 W V2 L50 060 O40*

* Requires joint seal



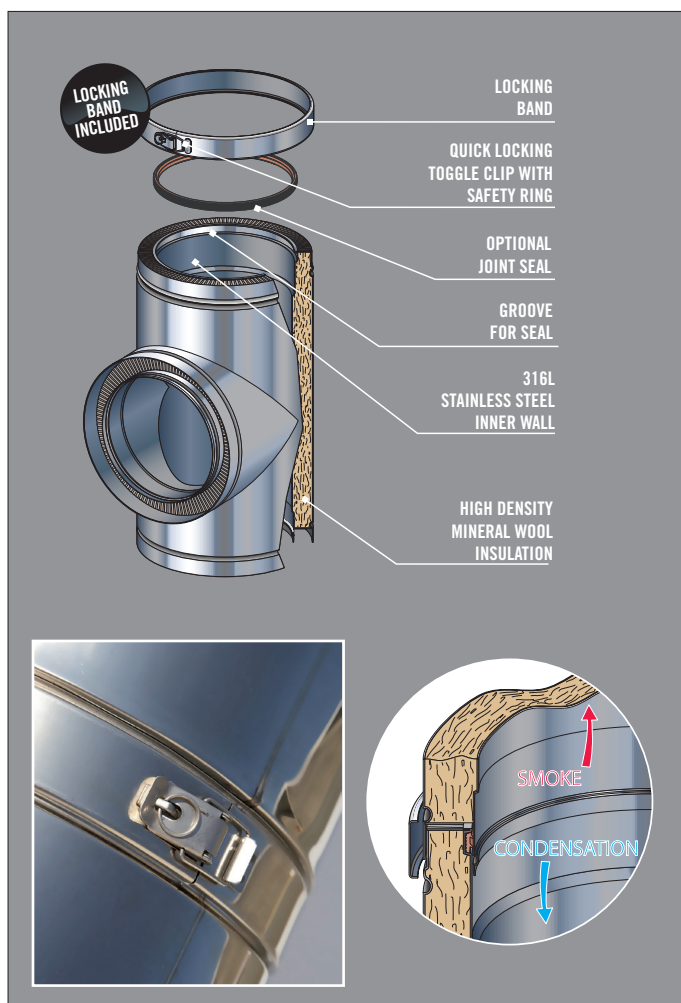


MULTI-FUEL



PRINCIPLE 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 types, 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.

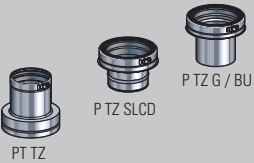
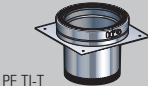
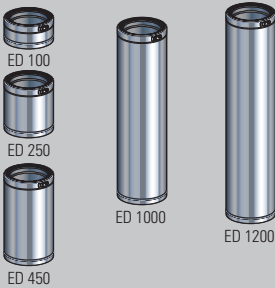
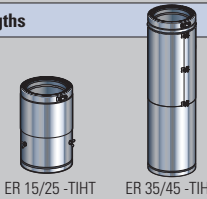
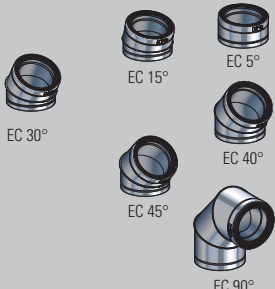
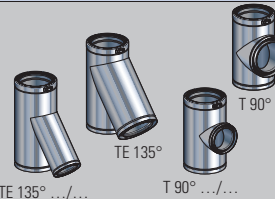
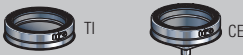


Inner Ø	80	100	130	150	180	200	250	300	350	400	450	500	600
Outer Ø	130	150	194	214	244	264	314	364	414	464	514	564	664
Inner wall thickness	0.4 mm									0.5 mm			
Inner wall Material	AISI 316L stainless steel												
Outer wall thickness	0.4 mm							0.5 mm		0.6 mm			
Outer wall Therminox TI	Stainless steel												
Outer wall Therminox ZI	Aluzinc												
Insulation thickness	25 mm		30 mm										
Insulation	High pressure injected mineral wool 130 Kg/m³												
Thermal resistance in m² °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-CPR-0011 (TI/ZI)

	Normal operating temperature	Pressure Level	Resistance to condensate	Corrosion resistance	Inner wall thickness	Thermal performance
	T450 = 450°C T250 = 250°C T200 = 200°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 (Ø80-300) 050 = 0.5 mm (Ø350-500) 060 = 0.6 mm (Ø600)	G : sootfire resistant O : not for sootfire resistant use
TI/ZI without seal (Ø80 to Ø300)	T450	N1	W	V2L50	040	G 50
TI/ZI without seal (Ø350 to Ø450)	T450	N1	W	V2L50	050	G 75
TI/ZI without seal (Ø500 & Ø600)	T450	N1	W	V2L50	050 (Ø500) 060 (Ø600)	G 100
TI/ZI without seal (Ø80 to Ø300)	T250	N1	W	V2L50	040	O 20
TI/ZI without seal (Ø350 to Ø450)	T250	N1	W	V2L50	050	O 30
TI/ZI without seal (Ø500 & Ø600)	T250	N1	W	V2L50	050 (Ø500) 060 (Ø600)	O 40
TI/ZI with seal (Ø80 to Ø300)	T200	P1	W	V2L50	040	O 20
TI/ZI with seal (Ø350 to Ø450)	T200	P1	W	V2L50	050	O 30
TI/ZI with seal (Ø500 & Ø600)	T200	P1	W	V2L50	050 (Ø500) 060 (Ø600)	O 40

THERMINOX TI/ZI

	Product / Diameter	Reference	Part No
Adaptors & Starting Components			
	P Adaptor – crimped	P TZ G	21 ... 140
	P Adaptor – plain	P TZ BU	21 ... 137
	P Adaptor – Condensor	P TZ SLCD	21 ... 138
	PT Adaptor - Condensor	PT SLCD	21 ... 097
	Male to Male Adaptor	A M/M	21 ... 301
	Female to Female Adaptor	A F/F	21 ... 302
Chimney Closure Plates			
	200mm x 200mm Chimney Closure Plate	PE TI-T 20*20	20 ... 022
	250mm x 250mm Chimney Closure Plate	PE TI-T 25*25	20 ... 024
	300mm x 400mm Chimney Closure Plate	PE TI-T 30*40	20 ... 026
Lengths			
	100mm Length	ED 100	21 ... 002
	250mm Length	ED 250	21 ... 003
	450mm Length	ED 450	21 ... 004
	950mm Length	ED 1000	21 ... 005
	1150mm Length	ED 1200	21 ... 017
	100mm Length (Internal use only) - Galvanised outer case	ED 100 ZI	23 ... 002
	250mm Length (Internal use only) - Galvanised outer case	ED 250 ZI	23 ... 003
	450mm Length (Internal use only) - Galvanised outer case	ED 450 ZI	23 ... 004
	950mm Length (Internal use only) - Galvanised outer case	ED 1000 ZI	23 ... 005
	1150mm Length (Internal use only) - Galvanised outer case	ED 1200 ZI	23 ... 017
Adjustable Lengths			
	150-250mm Adjustable Length	ER 15/25	21 ... 029
	350-450mm Adjustable Length	ER 35/45	21 ... 030
	150-250mm Adjustable Length (Internal use only) - Galvanised outer case	ER 15/25 ZI	23 ... 029
	350-450mm Adjustable Length (Internal use only) - Galvanised outer case	ER 35/45 ZI	23 ... 030
	70-220mm Adj. Cutback Length	ERR	21 ... 064
Elbows			
	5° Elbow	EC 5	21 ... 008
	15° Elbow	EC 15	21 ... 001
	30° Elbow	EC 30	21 ... 011
	40° Elbow	EC 40	21 ... 009
	45° Elbow	EC 45	21 ... 021
	90° Elbow	EC 90	21 ... 031
	15° Elbow (Internal use only) - Galvanised outer case	EC 15 ZI	23 ... 001
	30° Elbow (Internal use only) - Galvanised outer case	EC 30 ZI	23 ... 011
	45° Elbow (Internal use only) - Galvanised outer case	EC 45 ZI	23 ... 021
	90° Elbow (Internal use only) - Galvanised outer case	EC 90 ZI	23 ... 031
Tees			
	90° Tee	T 90	21 ... 050
	135° Tee	T 135	21 ... 051
	90° Tee (Internal use only) - Galvanised outer case	T 90 ZI	23 ... 050
	135° Tee (Internal use only) - Galvanised outer case	T 135 ZI	23 ... 051
	90° Reducing Tee	T90 / ...	21 ... 052
	135° Reducing Tee	T 135 / ...	21 ... 053
Plugs & Drain			
	Base Plug	TI	21 ... 091
	Drain Plug	CE	21 ... 090

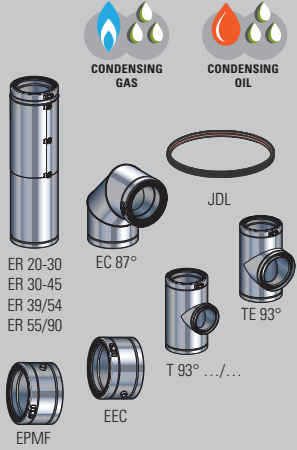
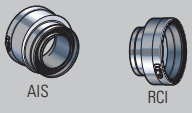
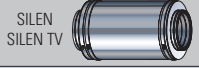
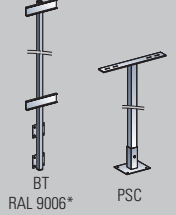


PAINTED FINISH : +18%

Ø130 & 150 Painted black, available in stock
Available in any RAL Colour - 3 weeks lead time

	Product / Diameter	Reference	Part No
Access components			
	Inspection 45° Elbow	ECTV 45	21 ... 023
	Inspection 90° Elbow	ECTV 90	21 ... 033
	Inspection Length	EDTV	21 ... 055
Supports			
	Joist Support - Galvanised	SP	20 ... 081
	Rafter Support - Galvanised	SAT	20 ... 065
	50-200mm Wall Support - Galvanised	SM	20 ... 055
	50-200mm Wall Support - Stainless steel	SMI	20 ... 056
	200-400mm Wall Support - Stainless steel	SMR 40	20 ... 157
	300-600mm Wall Support - Stainless steel	SMR 60	20 ... 160
	Floor Support	SSR	20 ... 057
	Base Support (Drain Plug)	SARCE	20 ... 096
Brackets			
	Wall Bracket - Stainless steel	CMI	20 ... 075
	50-200mm Extension Arms	RCM 05-20	20 ... 134
	200-400mm Extension Arms	RCM 20-40	20 ... 135
	300-600mm Extension Arms	RCM 30-60	20 ... 139
	Reinforced Lock Band	CMU	20 ... 112
	Guy Wire Band	CHI	20 ... 060
	Split Hanger Ring	CSC	20 ... 059
Plates & Fire-Stops			
	Ventilated Firestop	PCF	20 ... 133
	0-10° Wall Cover Ring - Rect. Shape - Galvanised	PP(G) 0/10	20 ... 115
	10-30° Wall Cover Ring - Rect. Shape - Galvanised	PP(G) 10/30	20 ... 116
	30-40° Wall Cover Ring - Rect. Shape - Galvanised	PP(G) 30/40	20 ... 117
	40-50° Wall Cover Ring - Rect. Shape - Galvanised	PP(G) 40/50	20 ... 118
	0-10° Wall Cover Ring - Oval Shape - Stainless steel	PP(I) 0/10	20 ... 105
	10-30° Wall Cover Ring - Oval Shape - Stainless steel	PP(I) 10/30	20 ... 106
	30-40° Wall Cover Ring - Oval Shape - Stainless steel	PP(I) 30/40	20 ... 107
	40-50° Wall Cover Ring - Oval Shape - Stainless steel	PP(I) 40/50	20 ... 108
Terminals			
	Rain Cap	CPI	21 ... 087
	Rain Cap with mesh (gas only)	CPOI	21 ... 088
	Weather Top	FH	21 ... 099
	Cone Top	CFI	21 ... 085
	Cone Mesh Insert	GCOI	21 ... 086
	Vented Terminal	CAI	21 ... 037
	Vented Terminal with mesh (gas only)	CAOI	21 ... 038
	Horizontal Terminal	SIF	21 ... 182
Flashings			
	Storm Collar - Stainless steel	COLLER.I	20 ... 093
	0-15° Lead Substitute Malleable Base Flashing + Collar	SUM 15	20 ... 497
	15-30° Lead Substitute Malleable Base Flashing + Collar	SUM 30	20 ... 467
	30-45° Lead Substitute Malleable Base Flashing + Collar	SUM 45	20 ... 468
	45-56° Lead Substitute Malleable Base Flashing + Collar	SUM 56	20 ... 476
	56-64° Lead Substitute Malleable Base Flashing + Collar	SUM 64	20 ... 477
	Stainless steel Flat Flashing + Collar	SIO	20 ... 079
	15-30° Stainless steel Flashing + Collar	SIT 30	20 ... 070
	30-45° Stainless steel Flashing + Collar	SIT 45	20 ... 073
	Storm Collar Sealant - 310ml tube	MASTIC SUM	55 000 264

THERMINOX TI/ZI

	Product / Diameter	Reference	Part No
For Condensing Applications			
	Joint Seal	JDL	21 ... 098
	200-300mm Adjustable Length P1	ER 20/30	21 ... 027
	300-450mm Adjustable Length P1	ER 30/45	21 ... 044
	390-640mm Adjustable Length P1	ER 39/64	21 ... 018
	550-900mm Adjustable Length P1	ER 55/90	21 ... 026
	200-300mm Adjustable Length P1 (Internal use only) - Galvanised outer case	ER 20/30 ZI	23 ... 027
	300-450mm Adjustable Length P1 (Internal use only) - Galvanised outer case	ER 30/45 ZI	23 ... 044
	87° Elbow	EC 87	21 ... 035
	93° Tee	T 93	21 ... 054
	93° Reducing Tee	T 93 / ...	21 ... 056
	93° Tee (Internal use only) - Galvanised outer case	T 93 ZI	23 ... 054
	Drain Length	EEC	21 ... 019
	Side Drain Plug	CEPL	21 ... 089
	Test Point Length	EPMF	21 ... 020
Draught Stabilisers			
	PM Adaptor for draught stabiliser (RT)	PM	21 ... 125
	Draught Stabiliser RT0 (for Ø100 to Ø130 TI)	RT0	33 000 275
	Draught Stabiliser RT1 (for Ø150 to Ø200 TI)	RT1	33 000 270
	Draught Stabiliser RT2 (for Ø250 TI)	RT2	33 000 273
	Draught Stabiliser RT3 (for Ø300 TI)	RT3	33 000 370
	Draught Stabiliser RT4 (for Ø350 to Ø600TI)	RT4	33 000 470
Increases / Reducers Therminox Adaptors			
	Eccentric Incr. [AIS] - one Ø down	AIS	21 ... 313
	Eccentric Incr. [AIS] - two Ø down	AIS	21 ... 314
	Eccentric Incr. [AIS] - Three Ø down	AIS	21 ... 315
	Concentric Red. [RCI] - one Ø up	RCI	21 ... 303
	Concentric Red. [RCI] - two Ø up	RCI	21 ... 304
Silencers			
	Silencer Length	SILEN	21 ... 066
	Silencer Length with access door	SILEN TV	21 ... 067
Other Components			
	Damper Length	DAMPER	21 ... 041
	Support Plate [DESS] - Galvanised steel	DESS SM	20 ... 084
	Support Plate [DESS] - Stainless steel	DESS SMI	20 ... 083
	Wall Extension Bracket (H=3m)	BT 3M	20 ... 098
	Wall Extension Bracket (H=5m)	BT 5M	20 ... 099
	Floor Bracket	PSC	55 000 115
	Basic Firestop [MUR]	PP(G)	20 ... 032
	Ventilation Grill	GVH	55 000 278

■ P adaptor: please specify lower diameter when ordering

■ For the full part number, replace ... by the diameter in mm (eg Ø150 1m length is 21 150 005)

■ If you require black finish add /B at the end of the part no. (eg Ø150 1m length painted black is 21 150 005/B)

■ Painted black = RAL 9019 (Poujoulat black) - painted white = RAL 9020 (Poujoulat white)



0071 CPR 0011





PAINTED FINISH : +18%

Ø130 & 150 Painted black, available in stock
Available in any RAL Colour - 3 weeks lead time

