



Flue and chimney systems

Flue and chimney systems




PLASTICA





technologies

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Modular chimney Double wall line

Uses

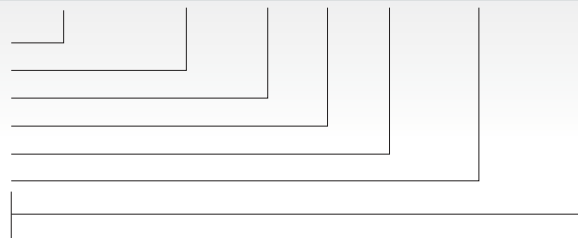
- Furnaces and boilers.
- Industrial boilers.
- Bread and pastry ovens.
- Living room chimneys.
- Hot air generators.
- Air and smoke piping, ventilation and extraction.



Regulations

CE 0099 / CPD / A71 / 0003	EN 1856-1	T400	N1	D	Vm	L20040	G(80)
CE 0099 / CPD / A71 / 0003	EN 1856-1	T400	N1	D	Vm	L50040	G(80)
CE 0099 / CPD / A71 / 0025	EN 1856-1	T200	P1	W	Vm	L20040	O(50)
CE 0099 / CPD / A71 / 0025	EN 1856-1	T200	P1	W	Vm	L50040	O(50)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Individual absorption of inner expansion of each module.
- Continuous insulation.
- Airtightness of tubing.
- High mechanical resistance to vertical and horizontal stress.
- A1 classified materials.
- Available in diameters of 80-350 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Insulation	Rock wool; density 100Kgs/m ³ .
• Outer wall	Stainless steel AISI 304. UNE 1.4301. For outdoor installation. Aluminized steel. For indoor installation. Copper. For installation in rustic settings.
• Cladding	Shiny Stainless, Matt Aluminium cladding, Copper. Ask about available colours.

Inner and outer diameters and thickness

	ø80	ø100	ø125	ø130	ø150	ø175	ø180	ø200	ø250	ø300	ø350
• ø inner (mm)	80	100	121	132	146	171	182	196	245	295	345
• ø outer (mm)	125	150	175	175	200	225	225	250	300	350	400
• Insulation thickness (mm)	23	25	27	27	27	27	27	27	28	28	28
• Thickness of steel (mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5

Fuels

Maximum temperature for use

Maximum surge pressure

- | | | | |
|---------------|----------|------------------------------------|-------------------------|
| • Natural gas | • Butane | • 400°C continuous (without joint) | • 40 Pa (without joint) |
| • Propane | • Gasoil | • 200°C continuous (with joint) | • 200 Pa (with joint) |

Recommended AISI 316L for:

- Oil
- Coal
- Wood
- Pellets

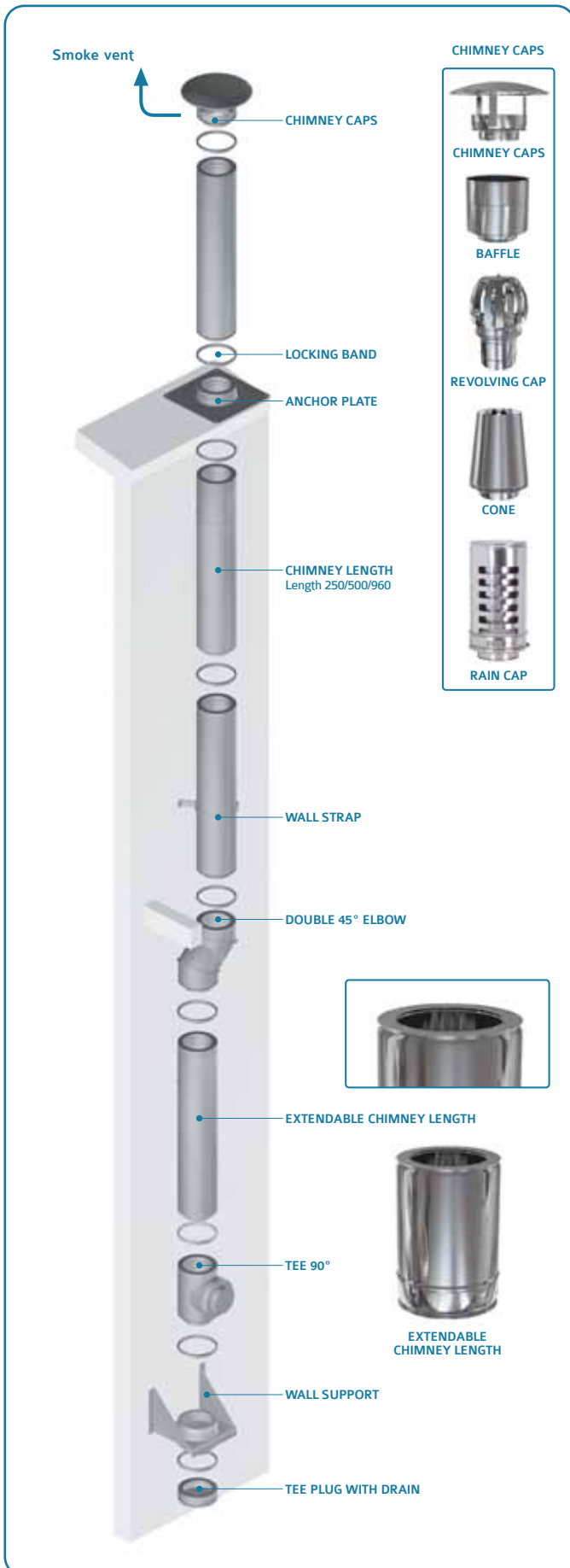


Fire resistant
EI 180

Consult our Technical Department for installations with chimneys and piping requiring fire resistant classification

Modular chimney

Double wall line



Instructions for assembly

- Parts must be assembled taking into account the direction of the smoke indicated on the product label.
- A tee must be used for the connection between the chimney and the furnace.
- A tee plug with drain must be installed at the lower end of the assembly.
- A locking band must be used at each joint. We recommend using silicone caulking to seal the joints between sections with a diameter greater than 200 mm.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- We recommend anchoring the installation to the wall at 1 metre intervals for diameters greater than 300 mm.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.

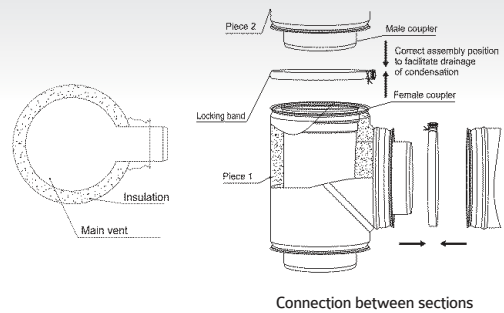
Vertical installations:

- The installation must be anchored to the wall at 3 metre intervals using a wall strap.
- A wall support must be installed every 10 metres to provide extra support.

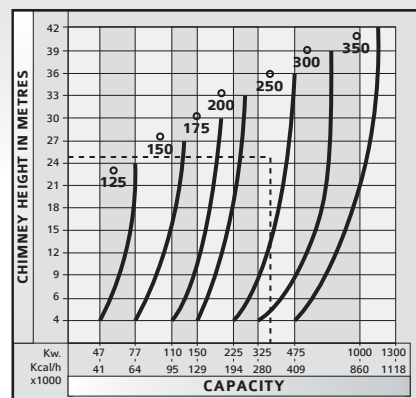
Horizontal installations:

- The installation must be anchored to the wall at 2 metre intervals using a wall strap.

Details



Dimensions of chimney



- For greater precision, do calculations using the programme provided, or consult the company directly.

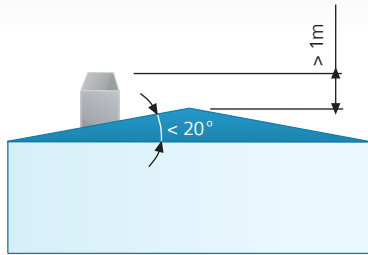


Assembly Regulations. Minimum distances for proper chimney function.

With regard to the roof

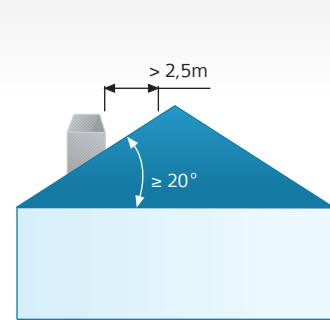
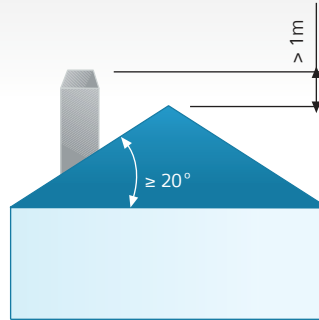
Case A: Flat roof ($<20^\circ$)

- 1 metre above the ridgepiece.



Case B: Inclined roof ($\geq 20^\circ$) At least one of the following two conditions must be fulfilled:

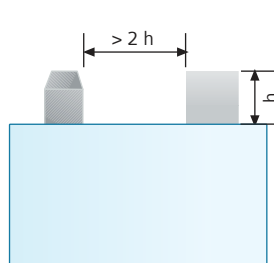
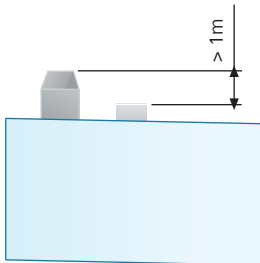
- 1 metre above the ridgepiece.
- Minimum horizontal clearance of 2.5 metres between the edge of the chimney and the roof.



With regard to obstacles on the roof

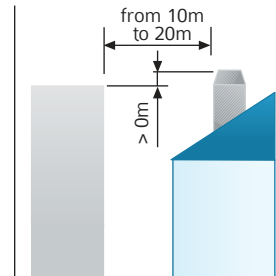
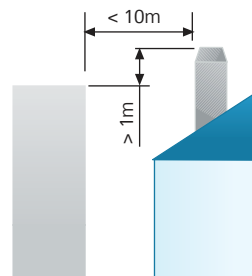
At least one of the following two conditions must be fulfilled:

- 1 metre above the obstacle.
- A horizontal clearance greater than two times the height of the obstacle.



With regard to external obstacles

- If the horizontal distance between the chimney and the adjacent building is less than 10 metres, the chimney must extend more than 1 metre beyond the highest point of the building.
- If the horizontal distance is greater than or equal to 10 metres, the chimney must extend beyond the height of the building.

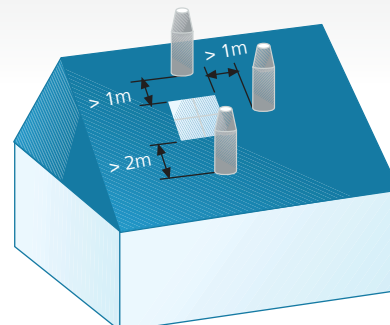
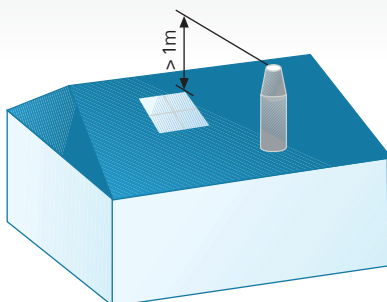


Minimum distances according to environmental criteria

With regard to openings in the roof

The following conditions must be fulfilled:

- 1 metre beyond the highest point of any window or opening.
- 2 metres above the surface of the roof and any opening situated behind the chimney.
- 1 metre above the surface of the roof and any window or opening situated in front of or to either side of the chimney.



Modular chimney

Double wall line



Chimney length

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L	250 / 500 / 960										

All measurements are expressed in mm.



Extendable chimney length

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L min-max	300 - 500 / 500 - 800										

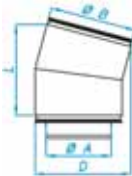
All measurements are expressed in mm.



Silent chimney length

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	-	-	175	175	200	225	225	250	300	350	400
L	960										

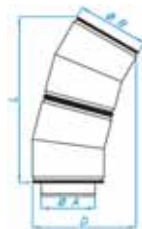
All measurements are expressed in mm.



15° Elbow

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	148	168	193	193	220	243	243	270	320	370	420
L	190	185	175	175	209	215	215	220	235	248	260

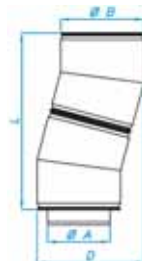
All measurements are expressed in mm.



15° Elbow joint / model 1

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	215	223	244	244	282	308	308	331	378	431	480
L	387	351	340	340	400	417	417	426	440	475	498

All measurements are expressed in mm.



15° Elbow joint / model 2

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	179	193	216	216	249	275	275	300	351	404	455
L	367	324	307	307	362	375	375	380	380	405	412

All measurements are expressed in mm.



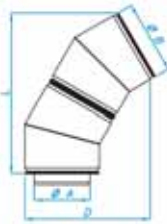
Modular chimney Double wall line



30° Elbow

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	167	183	208	208	240	265	265	290	340	390	440
L	200	205	210	210	250	260	260	275	300	325	350

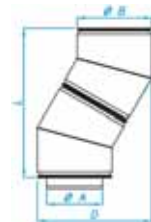
All measurements are expressed in mm.



30° Elbow joint / model 1

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	270	275	296	296	351	373	373	401	442	498	547
L	340	350	360	360	435	455	455	475	505	560	605

All measurements are expressed in mm.



30° Elbow joint / model 2

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	224	238	264	264	308	336	336	365	420	475	535
L	325	325	330	330	400	410	410	425	450	475	500

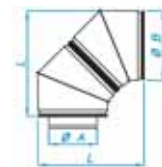
All measurements are expressed in mm.



45° Elbow

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	169	187	203	203	235	267	267	299	353	406	441
L	202	203	189	189	223	259	259	295	339	383	383

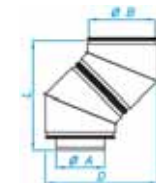
All measurements are expressed in mm.



45° Elbow joint / model 1

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
LxL	282	283	268	268	317	367	367	416	479	541	540

All measurements are expressed in mm.



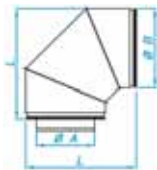
45° Elbow joint / model 2

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	253	272	281	327	374	374	374	421	493	565	600
L	308	292	254	254	306	359	359	413	465	517	483

All measurements are expressed in mm.

Modular chimney

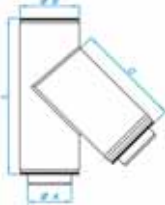
Double wall line



90° Elbow

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L x L	220	255	265	265	290	320	320	340	390	445	495

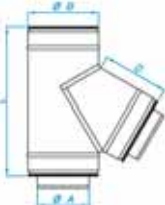
All measurements are expressed in mm.



45° Tee

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	285	305	330	330	360	380	380	400	455	505	555
L	410	460	490	490	525	560	560	595	665	735	810

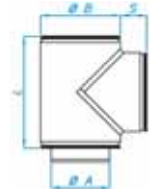
All measurements are expressed in mm.



60° Tee

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B			175	175	200	225	225	250	300	350	400
D			180	180	195	210	210	220	251	280	310
L			369	369	426	430	430	455	512	572	630

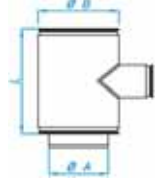
All measurements are expressed in mm.



90° Tee

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
S	84	64	47	47	49	54	54	56	58	58	64
L	297	290	270	270	284	310	310	337	387	473	487

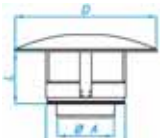
All measurements are expressed in mm.



90° Tee with Ø80 mm. connector

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L											228

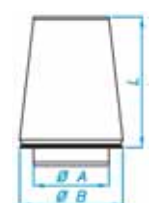
All measurements are expressed in mm.



Chimney cap

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
D	207	207	356	356	356	356	356	500	500	570	570
L	161	161	135	135	140	150	150	170	195	220	230

All measurements are expressed in mm.



Cone

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L											255

All measurements are expressed in mm.



Modular chimney Double wall line



Baffle

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
C	225	250	275	275	300	325	325	350	400	450	500
L	360										

All measurements are expressed in mm.



Revolving cap

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
L	380	380	380	380	380	380	380	405	455	455	455

All measurements are expressed in mm.



Rain cap

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L	300	325	353	353	379	417	417	473	528	584	623

All measurements are expressed in mm.



Revolving cap adaptor

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L	136										

All measurements are expressed in mm.



Storm collar

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
A	125	150	175	175	200	225	225	250	300	350	400
B	245	300	300	300	325	360	360	400	460	520	580

All measurements are expressed in mm.



Test section

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L	500										

All measurements are expressed in mm.

Modular chimney

Double wall line



Window section

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
C	135	135	135	135	210	210	210	210	210	210	210
D	78	78	78	78	105	105	105	105	105	105	105
L	390										

All measurements are expressed in mm.



Smoke control section

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L	390										

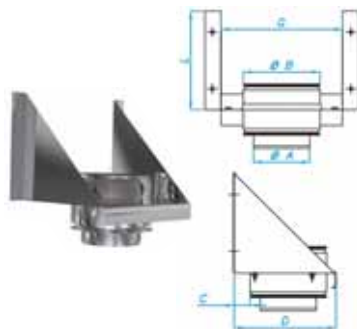
All measurements are expressed in mm.



Test section

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
S	142	122	105	105	107	112	112	114	116	116	122
L	297	290	270	270	284	310	310	337	387	473	487

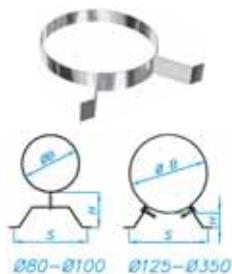
All measurements are expressed in mm.



Adjustable wall support

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
C min-max	55-95	55-105	40-80	40-80	40-80	40-80	40-80	45-85	50-90	55-95	55-95
D min-max	225-265	240-280	240-280	240-280	265-305	290-330	290-330	320-360	375-415	425-465	480-520
G	228	265	290	290	315	345	345	370	425	480	530
L	217	230	235	235	260	285	285	315	370	420	475

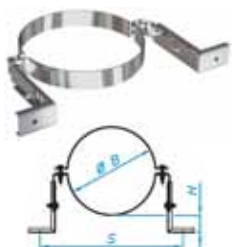
All measurements are expressed in mm.



Wall strap

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
H min-max	50-80	38,5	38,5	40	43	43	45	49	53	27	
S	92	212	212	214	204	204	196	290	271	260	

All measurements are expressed in mm.



Adjustable wall strap

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
H min-max	63-103	51-91	38-78	38-78	40-80	42-82	42-82	45-85	48-88	52-92	56-96
S	253	298	300	300	325	350	350	375	425	475	525

All measurements are expressed in mm.



Modular chimney Double wall line



Wind strap

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400

All measurements are expressed in mm.



Anchor plate

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
CXC	280	330	385	385	390	415	415	440	480	540	590
L							135				

All measurements are expressed in mm.



Locking band

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400

All measurements are expressed in mm.



Boiler adaptor

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L							86				

All measurements are expressed in mm.



Plug

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L							58				

All measurements are expressed in mm.



Tee plug with drain

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L							58				

All measurements are expressed in mm.



Condensation collector

	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
B	125	150	175	175	200	225	225	250	300	350	400
L							109				

All measurements are expressed in mm.



Double lip joint

A	Ø80	Ø100	Ø125	Ø130	Ø150	Ø175	Ø180	Ø200	Ø250	Ø300	Ø350
---	-----	------	------	------	------	------	------	------	------	------	------

All measurements are expressed in mm.





Modular chimney Industrial line

Uses

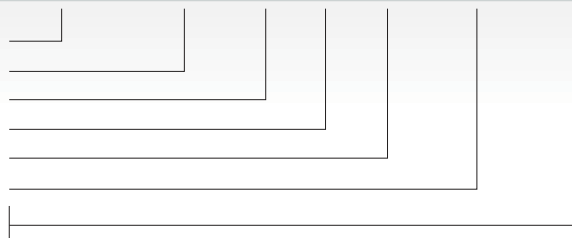
- Furnaces and boilers.
- Industrial boilers.
- Bread and pastry ovens.
- Hot air generators.
- Air and smoke piping, ventilation and extraction.



Regulations

CE 0099 / CPD / A71 / 003	EN 1856-1	T400	N1	D	Vm	L20060	G(80)
CE 0099 / CPD / A71 / 003	EN 1856-1	T400	N1	D	Vm	L50060	G(80)
CE 0099 / CPD / A71 / 025	EN 1856-1	T200	P1	W	Vm	L20060	O(50)
CE 0099 / CPD / A71 / 025	EN 1856-1	T200	P1	W	Vm	L50060	O(50)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Individual absorption of inner expansion of each module.
- Continuous insulation.
- Airtightness of tubing.
- High mechanical resistance to vertical and horizontal stress.
- A1 classified materials.
- Available in diameters of 400-600 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Insulation	Rock wool; density 100Kgs/m ³ .
• Outer wall	Stainless steel. AISI 304. UNE 1.4301.
• Cladding	Matt stainless. Ask about available colours.

Inner and outer diameters and thickness

	ø400	ø450	ø500	ø600
• ø inner (mm)	393	442	498	598
• ø outer (mm)	450	500	600	700
• Insulation thickness (mm)	28	28	50	50
• Thickness of steel (mm)	0.5	0.6	0.6	0.6

Fuels

- Natural gas
- Propane
- Butane
- Gasoil

Recommended AISI 316L for:

- Oil
- Wood
- Coal
- Pellets

Maximum temperature for use

- 400°C continuous (without joint)
- 200°C continuous (with joint)

Maximum surge pressure

- 40 Pa (without joint)
- 200 Pa (with joint)

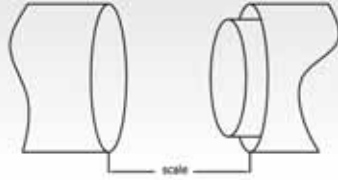


Fire resistant
EI 180

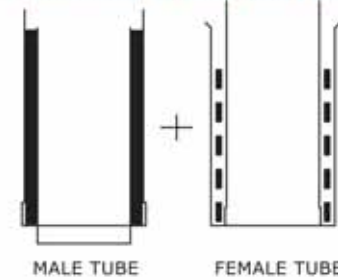
Consult our Technical Department for installations with chimneys and piping requiring fire resistant classification

Explanation of extendable assembly

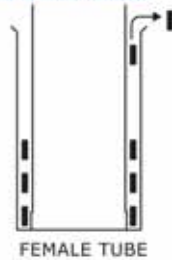
① Measure distance to be covered by tube



② Separate extendable piece into two parts by removing the central locking band



③ Remove the necessary insulation pieces from the female section



④ Reassemble the two sections and secure the locking band



Instructions for assembly

- Parts must be assembled taking into account the direction of the smoke indicated on the product label.
- A tee must be used for the connection between the chimney and the furnace.
- A tee plug with drain must be installed at the lower end of the assembly.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- A locking band must be used at each joint.
- We recommend using silicone caulking to seal the joints between sections.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.

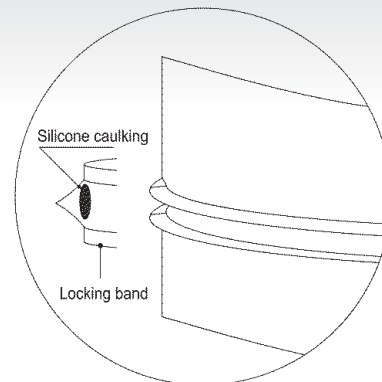
Vertical installations:

- The installation must be anchored to the wall at 1 metre intervals using a wall strap.
- A wall support must be installed every 5 metres to provide extra support.
- The use of a load support is recommended for vertical installation.

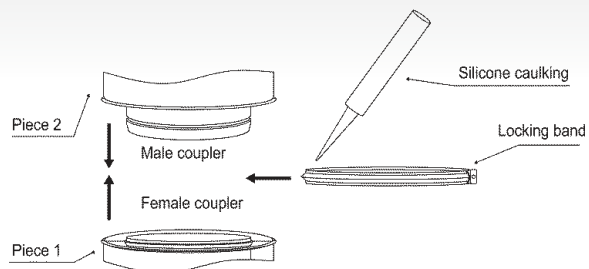
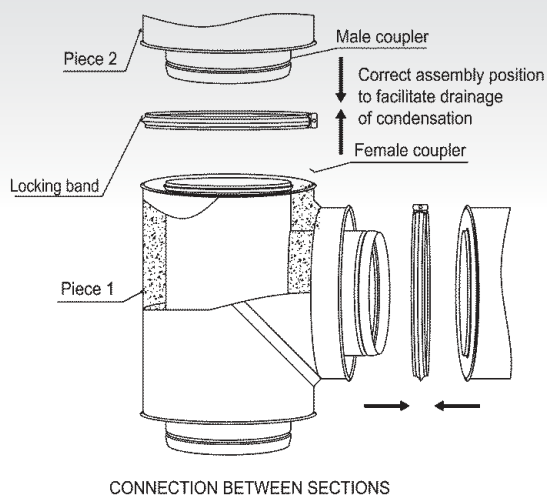
Horizontal installations:

- The installation must be anchored to the wall at 1 metre intervals.

Detail A



Detail of connection between sections



We recommend sealing the connection between sections with silicone caulking. See detail A.



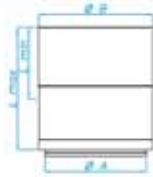
Modular chimney Industrial line



Chimney length

A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	230 / 473 / 960			

All measurements are expressed in mm.



Extendable chimney length

A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	300-500			

min-max

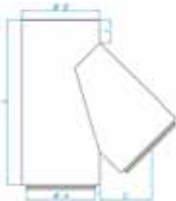
All measurements are expressed in mm.



45° Elbow

A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	120	125	165	140
L	580	660	800	880

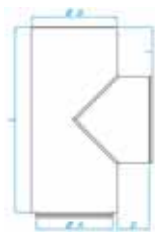
All measurements are expressed in mm.



45° Tee

A	Ø400	Ø450	Ø500
B	450	500	600
C	300	274	255
I	160	133	60
L	960		

All measurements are expressed in mm.



90° Tee

A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
I	255	230	180	130
L	960			
D	155			

All measurements are expressed in mm.



90° Tee, small diameter

A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	Ø connector. Special order			
L	960			

All measurements are expressed in mm.

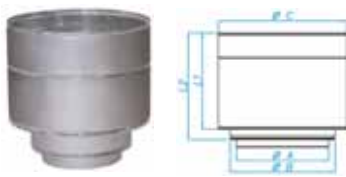
Modular chimney Industrial line



Chimney cap

	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	767	767	947	947
L	438	419	497	461

All measurements are expressed in mm.



Baffle

	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	555	580	645	775
L1	415	435	480	575
L2	465	485	530	625

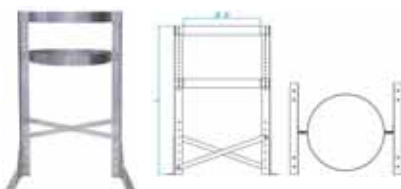
All measurements are expressed in mm.



Open cone

	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	220			

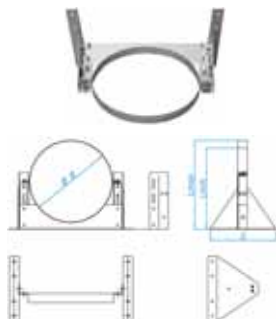
All measurements are expressed in mm.



Load support

	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	980			

All measurements are expressed in mm.



Wall support

	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
D	360	400	480	560
L min-max	488 - 530	540 - 582	649 - 691	760 - 802

All measurements are expressed in mm.



Boiler adaptor

	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	Ø boiler connector. Special order			
L	100			

All measurements are expressed in mm.



Modular chimney Industrial line

Tee plug with drain



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	100			

All measurements are expressed in mm.

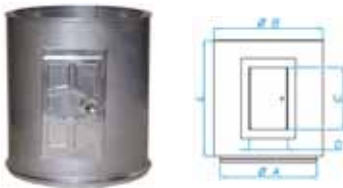
Test section



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	473			

All measurements are expressed in mm.

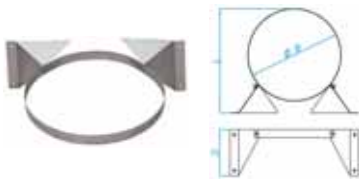
Straight window section



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
C	255			
D	160			
L	473			

All measurements are expressed in mm.

Wall strap



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
D	226	250	297	345
L	510	560	675	785

All measurements are expressed in mm.

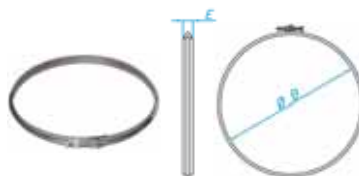
Support bracket



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
L	300			

All measurements are expressed in mm.

Locking band



	Ø400	Ø450	Ø500	Ø600
A	Ø400	Ø450	Ø500	Ø600
B	450	500	600	700
E	35			

All measurements are expressed in mm.





Modular chimney Single wall line

Uses

- Furnaces and boilers.
- Living room chimneys.
- Hot air generators.
- Air and smoke piping, ventilation and extraction.

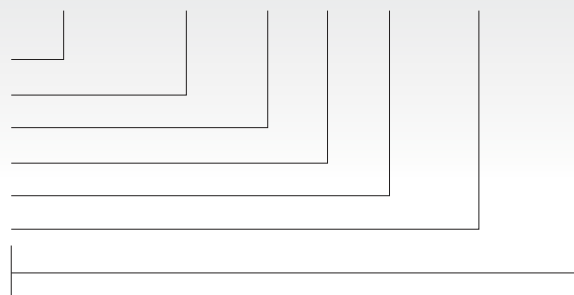


Regulations

CE 0099 / CPD / A71 / 0014 EN 1856-1 T160 P2 W Vm L20040 O(100)

CE 0099 / CPD / A71 / 0014 EN 1856-1 T160 P2 W Vm L50040 O(100)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Airtightness through lip joint at junction between sections.
- A1 classified materials.
- High mechanical resistance to vertical and horizontal stress.
- Available in diameters of 80-250 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Cladding	Shiny stainless. Ask about available colours.

Inner and outer diameters and thickness

	ø80	ø100	ø120	ø125	ø130	ø140	ø150	ø175	ø180	ø200	ø250
• ø (mm)	79.2	99.2	119.2	124.2	129.2	139.2	149.2	174.2	179.2	199.2	249.2
• Thickness of steel (mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Fuels

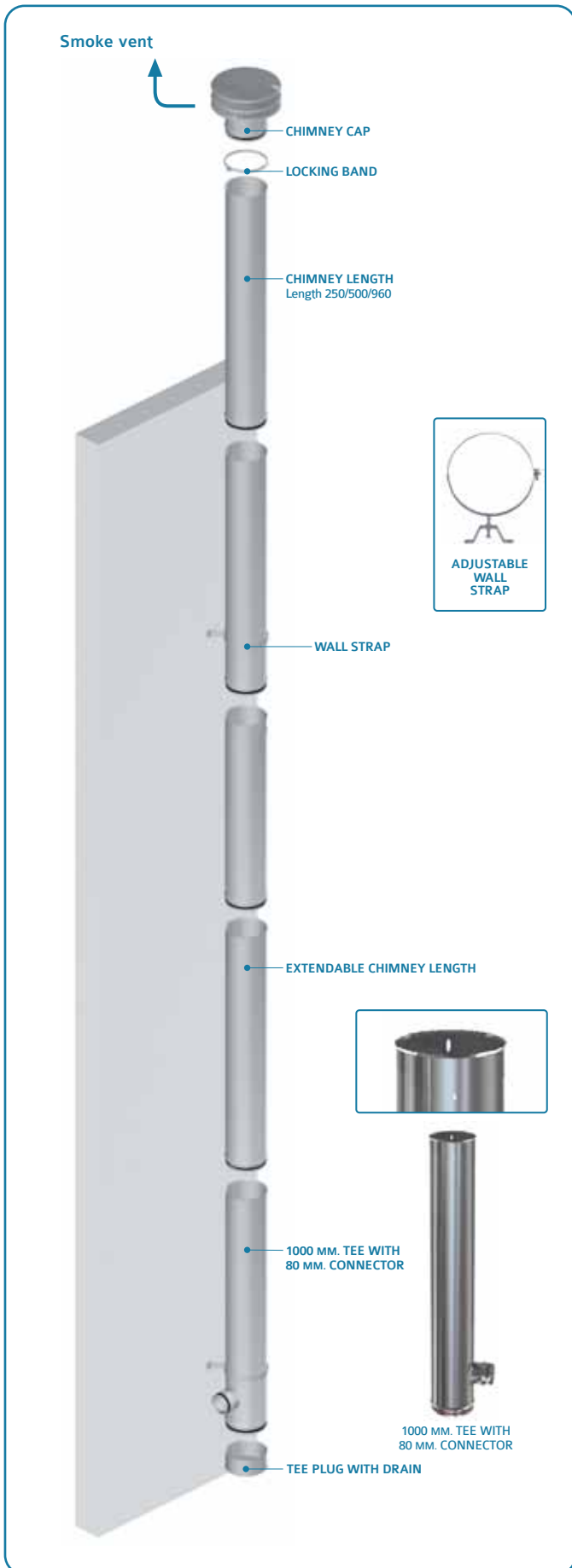
Maximum temperature for use

Maximum surge pressure

- Natural gas
 - Propane
 - Butane
 - Gasoil
 - 160°C continuous
 - 200 Pa
- Recommended AISI 316L for:
- Oil
 - Wood
 - Coal
 - Pellets

Modular chimney

Single wall line



Instructions for assembly

- Parts must be assembled taking into account the direction of the smoke indicated on the product label. See image of product label below.
- A tee must be used for the connection between the chimney and the furnace.
- A tee plug with drain must be installed at the lower end of the assembly.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.

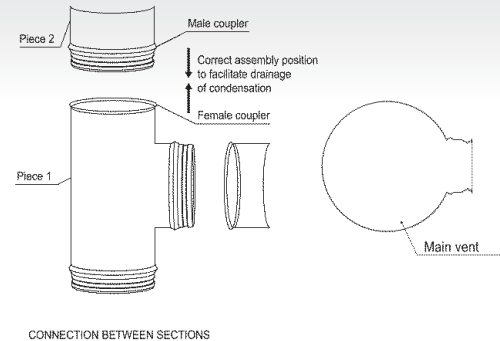
Vertical installations:

- The installation must be anchored to the wall at 3 metre intervals using a Wall Strap.
- A Wall Support must be installed every 10 metres to provide extra support.

Horizontal installations:

- The installation must be anchored to the wall at 2 metre intervals using a Wall Strap.

Details



Product label



Indicates:

- Installation position for chimney lengths.
- EC conformity marking. Manufacturer's guarantee, indicating that the product is in compliance with general safety regulations established by the EU.
- Product name and code.
- Batch number.



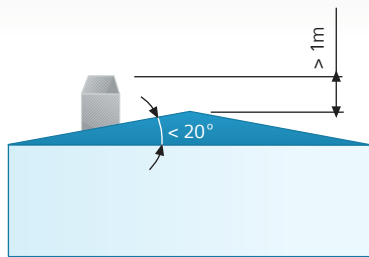
Modular chimney Single wall line

Assembly Regulations. Minimum distances for proper chimney function.

With regard to the roof

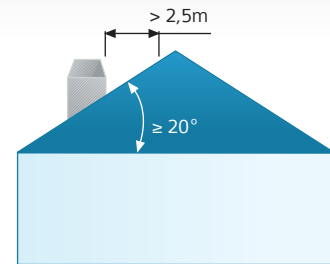
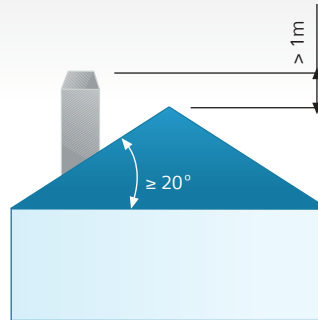
Case A: Flat roof (<math>< 20^\circ</math>)

- 1 metre above the ridgepiece.



Case B: Inclined roof (>math>\geq 20^\circ</math>) At least one of the following two conditions must be fulfilled:

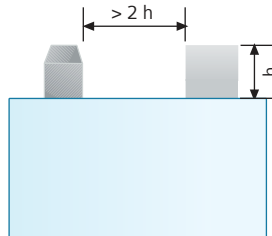
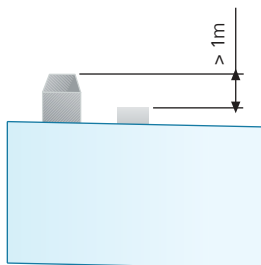
- 1 metre above the ridgepiece.
- Minimum horizontal clearance of 2.5 metres between the edge of the chimney and the roof.



With regard to obstacles on the roof

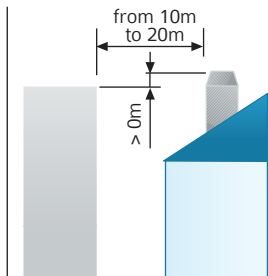
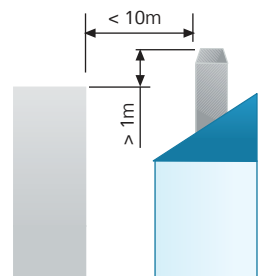
At least one of the following two conditions must be fulfilled:

- 1 metre above the obstacle.
- A horizontal clearance greater than two times the height of the obstacle.



With regard to external obstacles

- If the horizontal distance between the chimney and the adjacent building is less than 10 metres, the chimney must extend more than 1 metre beyond the highest point of the building.
- If the horizontal distance is greater than or equal to 10 metres, the chimney must extend beyond the height of the building.

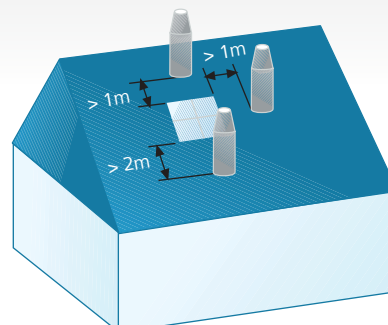
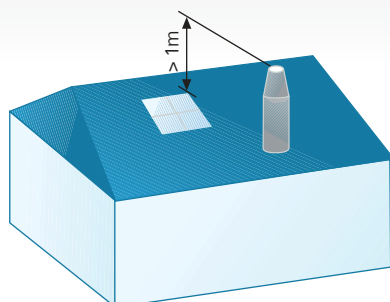


Minimum distances according to environmental criteria

With regard to openings in the roof

The following conditions must be fulfilled:

- 1 metre beyond the highest point of any window or opening.
- 2 metres above the surface of the roof and any opening situated behind the chimney.
- 1 metre above the surface of the roof and any window or opening situated in front of or to either side of the chimney.



Modular chimney

Single wall line



Chimney length

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

L 250 / 500 / 960

All measurements are expressed in mm.



Sliding section

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

L 325

All measurements are expressed in mm.



Extendable length

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

L min-max 728 - 1180

All measurements are expressed in mm.



45° Elbow

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

B 50 65 75 75 55 47 65 75 50 85 54

L 200 225 265 270 206 210 295 315 257 360 315

All measurements are expressed in mm.



72° Elbow

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

B - 130 150 125 115 115 115 165 120 165 114

L - 145 285 280 270 280 335 355 335 385 395

All measurements are expressed in mm.



90° Elbow

A Ø80 Ø100 Ø120 Ø125 Ø130 Ø140 Ø150 Ø175 Ø180 Ø200 Ø250

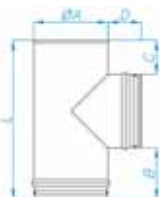
B 136 146 130 130 130 125 190 195 125 182 109

L 160 180 230 233 255 260 212 250 315 282 372

All measurements are expressed in mm.



Modular chimney Single wall line



90° Tee

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
B-C	56-56	77-65	67-55	65-52	70-42	74-110	104-70	89-60	80-64	71-50	135-100
D	57	50	50	50	50	65	65	65	65	65	135
L	193	242	242	242	242	324	324	324	324	324	486

All measurements are expressed in mm.



45° Tee

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
B	150	160	190	190	190	220	220	270	270	270	348
L	242	242	294	294	294	324	324	486	486	486	580

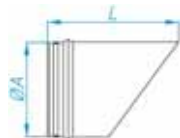
All measurements are expressed in mm.



1000 mm. Tee with 80 mm. connector

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	970										

All measurements are expressed in mm.



End piece

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	156	156	180	180	180	205	205	205	205	205	240

All measurements are expressed in mm.



Revolving chimney cap

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	380	380	380	380	380	380	380	380	380	405	455

All measurements are expressed in mm.



Wind beater

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
B	190	210	210	210	210	250	250	360	360	360	500
L	185*	205	210	210	210*	215*	215	265	265*	265	310*

* Without overhang

All measurements are expressed in mm.

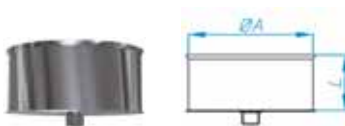
Modular chimney Single wall line



Rain cap

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	350	375	403	403	403	429	429	467	467	523	578

All measurements are expressed in mm.



Tee plug with drain

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	44	44	69	69	69	69	69	69	69	69	90

All measurements are expressed in mm.



Condensation collector

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
L	86	86	110	110	110	110	110	110	110	110	132

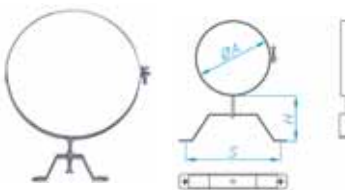
All measurements are expressed in mm.



Locking band

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
---	-----	------	------	------	------	------	------	------	------	------	------

All measurements are expressed in mm.



Adjustable wall strap

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
H min-max							50-80			45-85	
S							92			375	

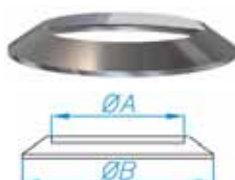
All measurements are expressed in mm.



Wind strap

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
---	-----	------	------	------	------	------	------	------	------	------	------

All measurements are expressed in mm.



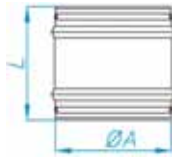
Storm collar

A	Ø80	Ø100	Ø120	Ø125	Ø130	Ø140	Ø150	Ø175	Ø180	Ø200	Ø250
B	150	170	200	200	200	220	220	250	250	270	400

All measurements are expressed in mm.



Modular chimney Single wall line

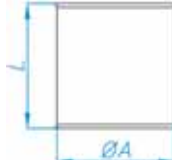


M-M Tube

A $\varnothing 80$ $\varnothing 100$ $\varnothing 120$ $\varnothing 125$ $\varnothing 130$ $\varnothing 140$ $\varnothing 150$ $\varnothing 175$ $\varnothing 180$ $\varnothing 200$ $\varnothing 250$

L 145

All measurements are expressed in mm.

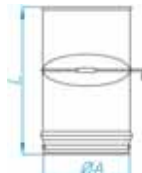


F-F Tube

A $\varnothing 80$ $\varnothing 100$ $\varnothing 120$ $\varnothing 125$ $\varnothing 130$ $\varnothing 140$ $\varnothing 150$ $\varnothing 175$ $\varnothing 180$ $\varnothing 200$ $\varnothing 250$

L 100

All measurements are expressed in mm.

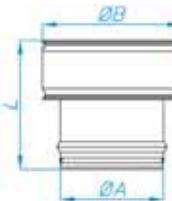


Inspection tube

A $\varnothing 80$ $\varnothing 100$ $\varnothing 120$ $\varnothing 125$ $\varnothing 130$ $\varnothing 140$ $\varnothing 150$ $\varnothing 175$ $\varnothing 180$ $\varnothing 200$ $\varnothing 250$

L 240

All measurements are expressed in mm.



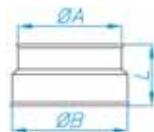
Double wall adaptor

A $\varnothing 80$ $\varnothing 100$ $\varnothing 120$ $\varnothing 125$ $\varnothing 130$ $\varnothing 140$ $\varnothing 150$ $\varnothing 175$ $\varnothing 180$ $\varnothing 200$ $\varnothing 250$

B 125 150 175 175 175 200 200 225 225 250 300

L 186

All measurements are expressed in mm.



Reducer

Measurements available upon request

All measurements are expressed in mm.





Collective chimney Practicshunt atmospheric line

Uses

- Extraction of combustion products for open circuit gas systems. For indoor and outdoor use.
- Air and smoke piping, ventilation and extraction.



Le progrès, une passion à partager

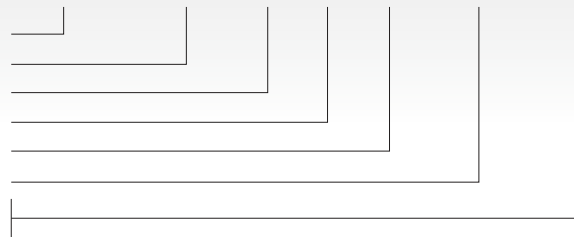


Fire resistant EI 180

Regulations

CE 0099 / CPD / A71 / 0042	EN 1856-1	T400	N1	D	Vm	L20040	G(80)
CE 0099 / CPD / A71 / 0042	EN 1856-1	T400	N1	D	Vm	L50040	G(80)
CE 0099 / CPD / A71 / 0042	EN 1856-1	T200	P1	W	Vm	L20040	O(50)
CE 0099 / CPD / A71 / 0042	EN 1856-1	T200	P1	W	Vm	L50040	O(50)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Internal shunt pipe to facilitate extraction.
- Easy assembly with 3 sections per floor.
- Quick assembly through male-female interlock system and easy-close locking bands.
- Airtightness of tubing.
- High mechanical resistance to vertical and horizontal stress.
- A1 classified materials.
- Available in diameters of 200-300 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Insulation	Rock wool; density 100Kgs/m ³ .
• Outer wall	Stainless steel AISI 304. UNE 1.4301. For outdoor installation. Aluminized steel. For indoor installation.
• Cladding	Shiny Stainless Matt Aluminium. Ask about available colours.

Inner and outer diameters and thickness

	ø200	ø250	ø300
• ø inner (mm)	196	245	295
• ø outer (mm)	250	300	350
• Insulation thickness (mm)	27	28	28
• Thickness of steel (mm)	0.4	0.4	0.4

Fuels

- Natural gas
- Propane
- Butane
- Gasoil

Recommended AISI 316L for:

- Oil
- Wood
- Coal
- Pellets

Maximum temperature for use

- 400°C continuous (without joint)
- 200°C continuous (with joint)

Maximum surge pressure

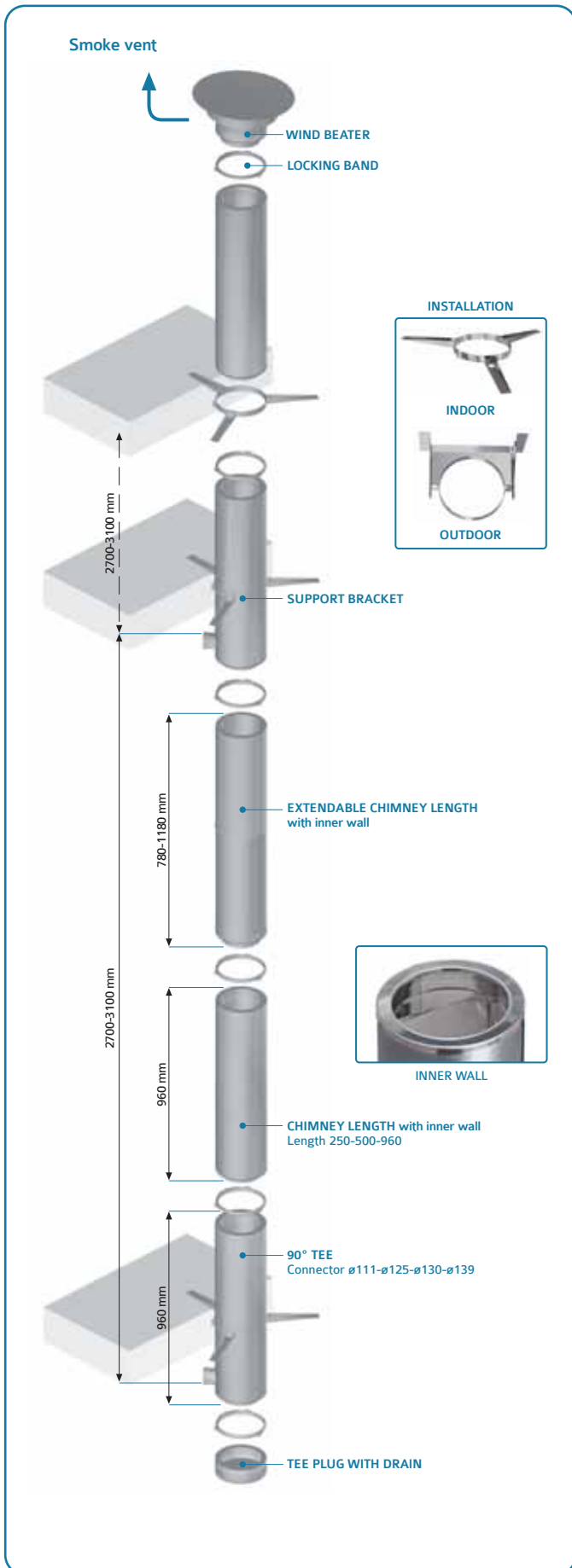
- 40 Pa (without joint)
- 200 Pa (with joint)



Fire resistant
EI 180

Consult our Technical Department for installations with chimneys and piping requiring fire resistant classification.

Collective chimney Practicshunt atmospheric line



Instructions for assembly

- A maximum of 7 connections may be installed.
- A tee with an inner wall must be used for the connection between the chimney and the furnace.
- A tee plug with drain must be installed at the lower end of the assembly.
- The chimney must be capped with a wind beater.
- The chimney cap must be free and clear of obstacles.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.
- We recommend using silicone caulking to seal the joints between sections with a diameter greater than 200 mm.

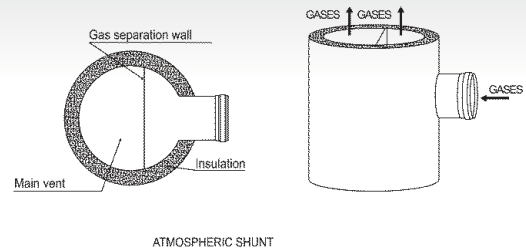
Indoor installations:

- A support bracket must be used for indoor installation.

Outdoor installations:

- The installation must be anchored to the wall at 3 metre intervals using a wall strap.
- A wall support must be installed every 10 metres to provide extra support.

Details



Chimney dimensions

Calculation of atmospheric shunt diameters (mm)

N° of floors	Boiler	24 Kw	30 Kw
	2		200/250
3		200/250	250/300
4		250/300	250/300
5		250/300	250/300
6		250/300	250/300
7		250/300	300/350

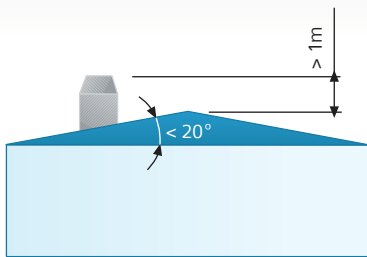
- Conditions for calculating:
400 m > h > 200 m
3m. distance between floors
Natural gas boiler - Distance to top - 3m.
- For greater precision, do calculations using the programme provided, or consult the company directly.

Assembly Regulations. Minimum distances for proper chimney function.

With regard to the roof

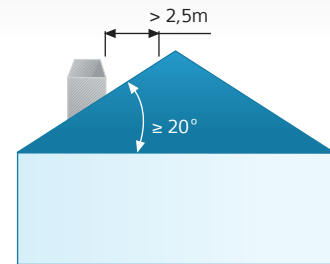
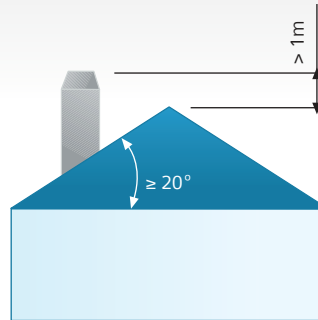
Case A: Flat roof ($< 20^\circ$)

- 1 metre above the ridgepiece.



Case B: Inclined roof ($\geq 20^\circ$) At least one of the following two conditions must be fulfilled:

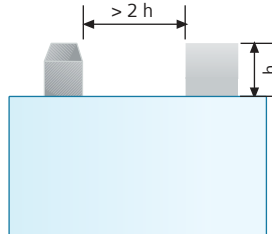
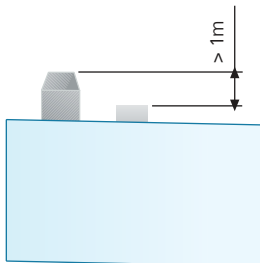
- 1 metre above the ridgepiece.
- Minimum horizontal clearance of 2.5 metres between the edge of the chimney and the roof.



With regard to obstacles on the roof

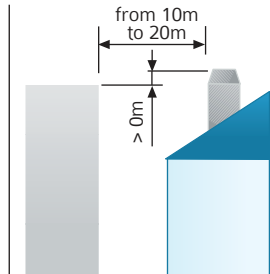
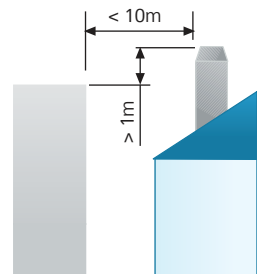
At least one of the following two conditions must be fulfilled:

- 1 metre above the obstacle.
- A horizontal clearance greater than two times the height of the obstacle.



With regard to external obstacles

- If the horizontal distance between the chimney and the adjacent building is less than 10 metres, the chimney must extend more than 1 metre beyond the highest point of the building.
- If the horizontal distance is greater than or equal to 10 metres, the chimney must extend beyond the height of the building.

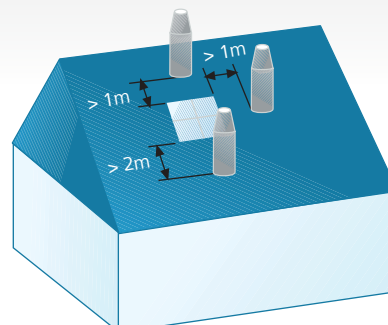
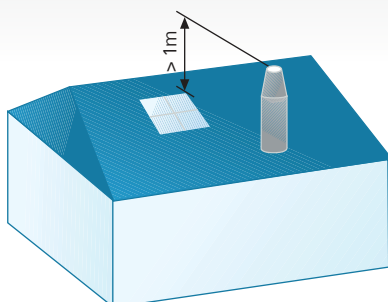


Minimum distances according to environmental criteria

With regard to openings in the roof

The following conditions must be fulfilled:

- 1 metre beyond the highest point of any window or opening.
- 2 metres above the surface of the roof and any opening situated behind the chimney.
- 1 metre above the surface of the roof and any window or opening situated in front of or to either side of the chimney.



Collective chimney Practicshunt atmospheric line



Chimney length with inner wall

A	Ø200	Ø250	Ø300
B	250	300	350
L	250 / 500/ 960		

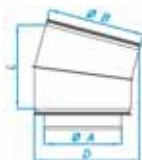
All measurements are expressed in mm.



Extendable chimney length with inner wall

A	Ø200	Ø250	Ø300
B	250	300	350
L min-max	780 - 1180		

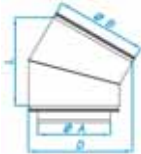
All measurements are expressed in mm.



15° Elbow

A	Ø200	Ø250	Ø300
B	250	300	350
D	270	320	370
L	220	235	248

All measurements are expressed in mm.



30° Elbow

A	Ø200	Ø250	Ø300
B	250	300	350
D	290	340	390
L	275	300	325

All measurements are expressed in mm.



45° Elbow

A	Ø200	Ø250	Ø300
B	250	300	350
D	299	353	406
L	295	339	383

All measurements are expressed in mm.



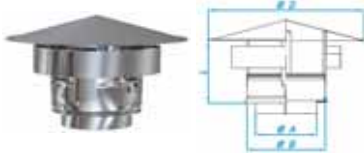
90° Tee (Connector ØD) with inner wall

A	Ø200	Ø250	Ø300
B	250	300	350
E	56	56	56
L	960		
ØD	111 / 125 / 130 / 139		

All measurements are expressed in mm.



Collective chimney Practicshunt atmospheric line



Wind beater

	Ø200	Ø250	Ø300
A	Ø200	Ø250	Ø300
B	250	300	350
D	500	500	573
L	164	190	209

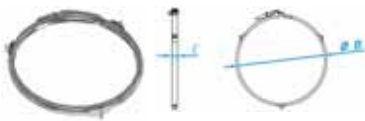
All measurements are expressed in mm.



Adjustable wall strap

	Ø200	Ø250	Ø300
B	250	300	350
D	208	255	284
E	335	388	442
F	348	396	446
L	265	333	317

All measurements are expressed in mm.



Wind strap

	Ø200	Ø250	Ø300
B	250	300	350
E	15	15	15

All measurements are expressed in mm.



Wall strap

	Ø200	Ø250	Ø300
B	250	300	350
H	45	49	53
S	196	290	271

All measurements are expressed in mm.



Tee plug with drain

	Ø200	Ø250	Ø300
B	250	300	350
L		58	

All measurements are expressed in mm.



Support bracket

	Ø200	Ø250	Ø300
B	250	300	350
D	260	260	260
E	40	40	40

All measurements are expressed in mm.



Double lip joint

A	Ø200	Ø250	Ø300
A	Ø200	Ø250	Ø300

All measurements are expressed in mm.





Collective chimney Practicshunt airtight line

Uses

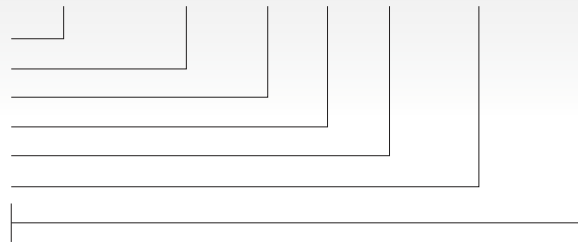
- Extraction of combustion products for closed circuit gas systems.
- Air and smoke piping, ventilation and extraction.



Regulations

CE 0099 / CPD / A71 / 0043	EN 1856-1	T400	N1	D	Vm	L20040	G(80)
CE 0099 / CPD / A71 / 0043	EN 1856-1	T400	N1	D	Vm	L50040	G(80)
CE 0099 / CPD / A71 / 0043	EN 1856-1	T200	P1	W	Vm	L20040	O(50)
CE 0099 / CPD / A71 / 0043	EN 1856-1	T200	P1	W	Vm	L50040	O(50)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Easy assembly with 3 sections per floor.
- Quick assembly through male-female interlock system and easy-close locking bands.
- Airtightness of tubing.
- High mechanical resistance to vertical and horizontal stress.
- A1 classified materials.
- Available in diameters of 150-250 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Insulation	Rock wool; density 100Kgs/m ³ .
• Outer wall	Stainless steel AISI 304. UNE 1.4301. For outdoor installation. Aluminized steel. For indoor installation.
• Cladding	Shiny Stainless Matt Aluminium. Ask about available colours.

Inner and outer diameters and thickness

	ø150	ø175	ø200	ø250
• ø inner (mm)	146	171	196	245
• ø outer (mm)	200	225	250	300
• Insulation thickness (mm)	27	27	27	28
• Thickness of steel (mm)	0.4	0.4	0.4	0.4

Fuels

- Natural gas
- Propane
- Butane
- Gasoil

Recommended AISI 316L for:

- Oil
- Wood
- Coal
- Pellets

Maximum temperature for use

- 400°C continuous (without joint)
- 200°C continuous (with joint)

Maximum surge pressure

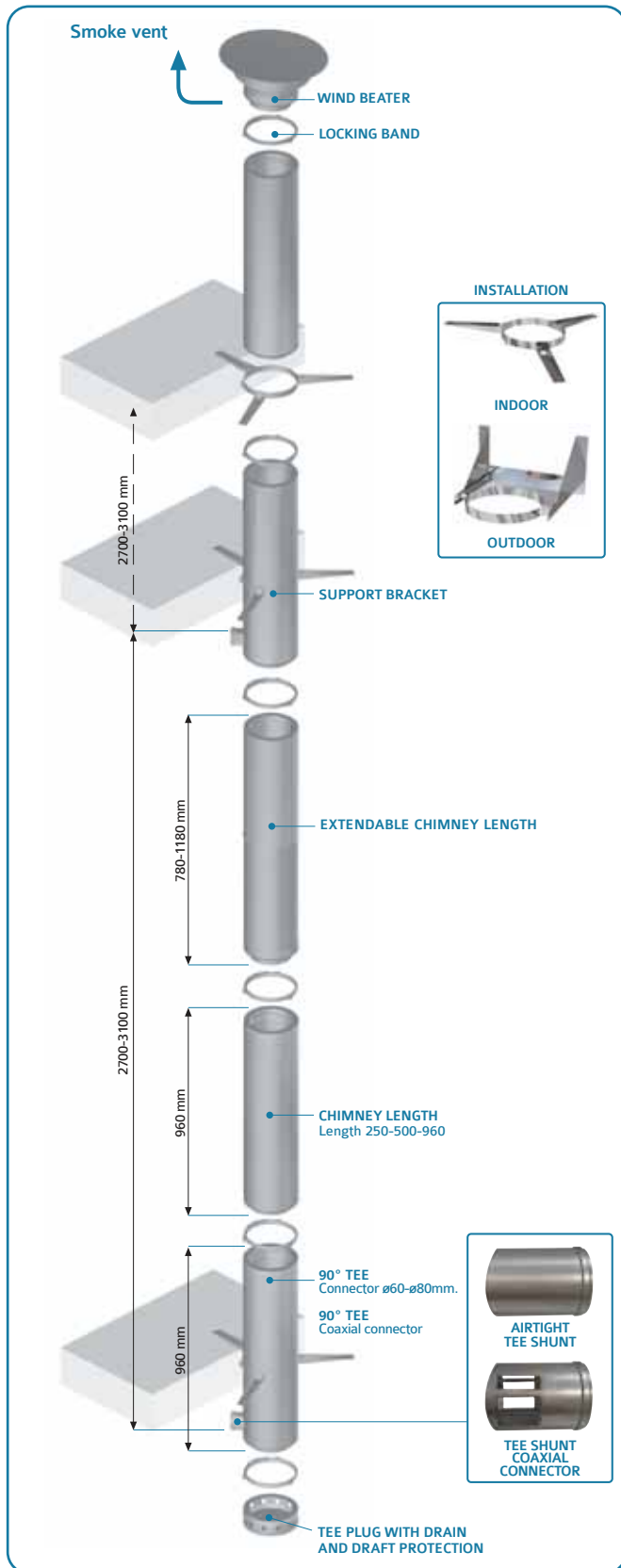
- 40 Pa (without joint)
- 200 Pa (with joint)



Fire resistant
EI 180

Consult our Technical Department for installations with chimneys and piping requiring fire resistant classification.

Collective chimney Practicshunt airtight line



- Conditions for calculating:
400 m > h > 200 m
3m distance between floors
- Natural gas boiler -
tance to top - 3m.

- For greater precision, do calculations using the programme provided, or consult the company directly.

Instructions for assembly

- The maximum number of connections must not surpass:
 - 10 Connections for balanced furnaces and boilers.
 - 5 Connections for unbalanced furnaces and boilers.

Balanced furnaces and boilers are those in which the point of entry to the combustion air vent is adjacent to the point of exit of combustion products from the boiler or furnace, such that the effect of the wind is balanced.

- A tee must be used for the connection between the chimney and the furnace or boiler.
- A tee plug with drain and draft protection must be installed at the lower end of the assembly.
- The chimney must be capped with a wind beater.
- The chimney cap must be free and clear of obstacles.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.
- We recommend using silicone caulking to seal the joints between sections with a diameter greater than 200 mm.

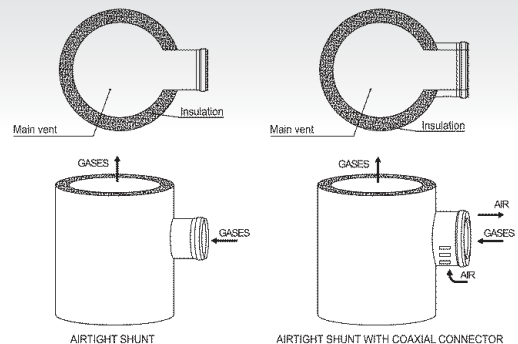
Indoor installations:

- A support bracket must be used for each section in indoor installation.

Outdoor installations:

- The installation must be anchored to the wall at 3 metre intervals using a wall strap.
- A wall support must be installed every 10 metres to provide extra support.

Details



Chimney dimensions

Calculation of airtight shunt diameters (mm)

N° of floors	24 Kw		30 Kw	
	Boiler	Condensation	No Condensation	No Condensation
2	150/200	150/200	150/200	150/200
3	150/200	150/200	150/200	150/200
4	175/225	150/200	175/225	175/225
5	175/225	175/225	200/250	175/225
6	200/250	175/225	250/300	200/250
7	250/300	200/250	250/300	250/300
8	250/300	200/250	250/300	250/300
9	250/300	250/300	250/300	250/300
10	250/300	250/300	250/300	250/300

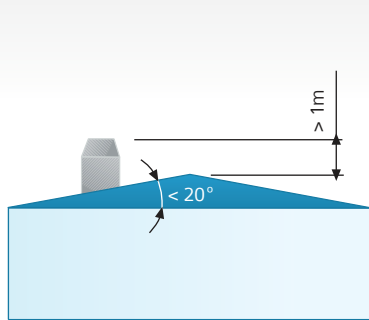
Install 6 or more boilers only for balanced chimneys.

Assembly Regulations. Minimum distances for proper chimney function.

With regard to the roof

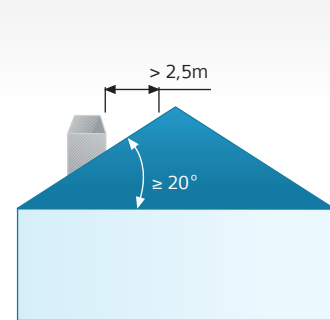
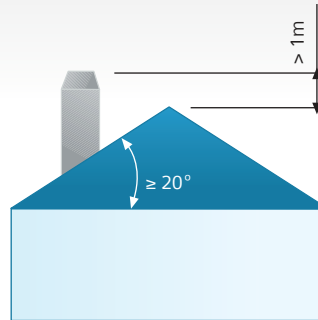
Case A: Flat roof ($< 20^\circ$)

- 1 metre above the ridgepiece.



Case B: Inclined roof ($\geq 20^\circ$) At least one of the following two conditions must be fulfilled:

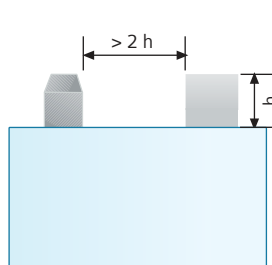
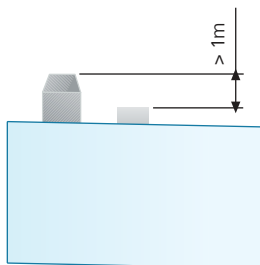
- 1 metre above the ridgepiece.
- Minimum horizontal clearance of 2.5 metres between the edge of the chimney and the roof.



With regard to obstacles on the roof

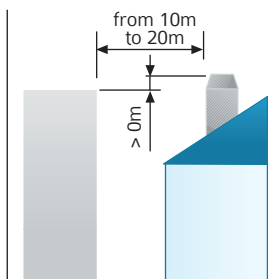
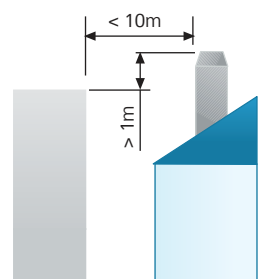
At least one of the following two conditions must be fulfilled:

- 1 metre above the obstacle.
- A horizontal clearance greater than two times the height of the obstacle.



With regard to external obstacles

- If the horizontal distance between the chimney and the adjacent building is less than 10 metres, the chimney must extend more than 1 metre beyond the highest point of the building.
- If the horizontal distance is greater than or equal to 10 metres, the chimney must extend beyond the height of the building.

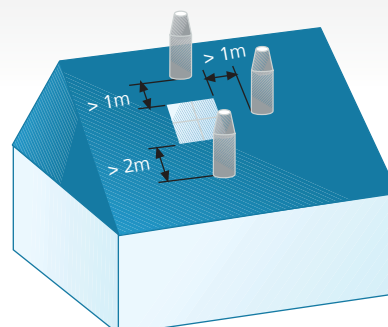
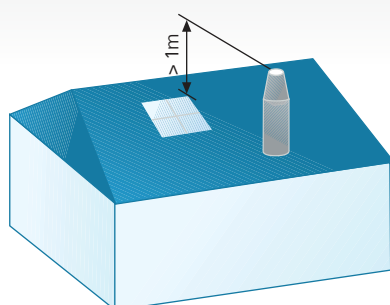


Minimum distances according to environmental criteria

With regard to openings in the roof

The following conditions must be fulfilled:

- 1 metre beyond the highest point of any window or opening.
- 2 metres above the surface of the roof and any opening situated behind the chimney.
- 1 metre above the surface of the roof and any window or opening situated in front of or to either side of the chimney.



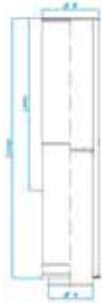
Collective chimney Practicshunt airtight line



Chimney lenght

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
L	250 / 500 / 960			

All measurements are expressed in mm.



Extendable chimney lenght

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
L min-max	780 - 1180			

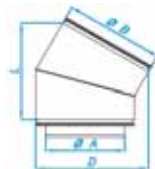
All measurements are expressed in mm.



15° Elbow

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	220	243	270	320
L	209	215	220	235

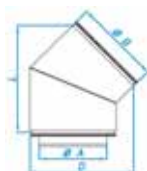
All measurements are expressed in mm.



30° Elbow

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	240	265	290	340
L	250	260	275	300

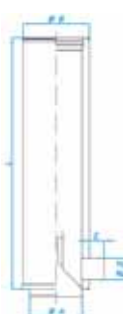
All measurements are expressed in mm.



45° Elbow

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	235	267	299	353
L	223	259	295	339

All measurements are expressed in mm.



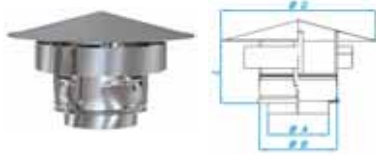
90° Tee (Connector ØD)

A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
E	56			
L	960			
ØD	60 / 80			

All measurements are expressed in mm.



Collective chimney Practicshunt airtight line



Wind beater

	Ø150	Ø175	Ø200	Ø250
A	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	360	500	500	573
L	145	164	190	209

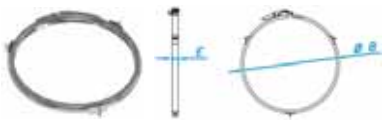
All measurements are expressed in mm.



Adjustable wall support

	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	178	194	208	255
E	280	307	335	388
F	278	303	348	396
L	210	226	265	333

All measurements are expressed in mm.



Wind strap

	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
E	15	15	15	15

All measurements are expressed in mm.



Tee plug with drain and draft protection

	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
L	77			

All measurements are expressed in mm.



Support bracket

	Ø150	Ø175	Ø200	Ø250
B	200	225	250	300
D	260	260	260	260
E	40	40	40	40

All measurements are expressed in mm.



Double lip joint

A	Ø150	Ø175	Ø200	Ø250
A	Ø150	Ø175	Ø200	Ø250

All measurements are expressed in mm.





Collective chimney Practicshunt triple wall airtight line

Uses

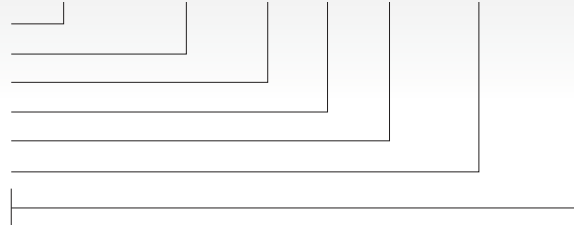
- Extraction of combustion products for closed circuit gas systems.



Regulations

CE 0099 / CPD / A71 / 0044	EN 1856-1	T400	N1	D	Vm	L20040	G(80)
CE 0099 / CPD / A71 / 0044	EN 1856-1	T400	N1	D	Vm	L50040	G(80)
CE 0099 / CPD / A71 / 0044	EN 1856-1	T200	P1	W	Vm	L20040	O(50)
CE 0099 / CPD / A71 / 0044	EN 1856-1	T200	P1	W	Vm	L50040	O(50)

- Regulation number.
- Temperature level.
- Pressure level (N or P or H).
- Resistance to condensation (W wet; D dry).
- Resistance to corrosion.
- Liner material.
- Resistance to soot fires (G Yes; O No)
- Distance from combustible materials (mm).



General characteristics

- Easy assembly with 3 sections per floor.
- Quick assembly through male-female interlock system and easy-close locking bands.
- Airtightness of tubing.
- High mechanical resistance to vertical and horizontal stress.
- A1 classified materials.
- Available in diameters of 150-300 mm.

Materials

Location	Description
• Liner	Stainless steel AISI 304. UNE 1.4301. Stainless steel AISI 316L. UNE 1.4404.
• Insulation	Rock wool; density 100Kgs/m ³ .
• Outer wall	Stainless steel. AISI 304. UNE 1.4301. For outdoor installation. Aluminized steel. For indoor installation.
• Cladding	Shiny Stainless Matt Aluminium. Ask about available colours.

Inner and outer diameters and thickness

	ø150	ø175	ø200	ø250	ø300
• ø inner (mm)	146	171	196	245	295
• ø outer (mm)	300	350	400	450	500
• Insulation thickness (mm)	27	27	27	28	28
• Thickness of steel (mm)	0.4	0.4	0.4	0.4	0.4

Fuels

- Natural gas
- Propane
- Butane
- Gasoil

Recommended AISI 316L for:

- Oil
- Wood
- Coal
- Pellets

Maximum temperature for use

- 400°C continuous (without joint)
- 200°C continuous (with joint)

Maximum surge pressure

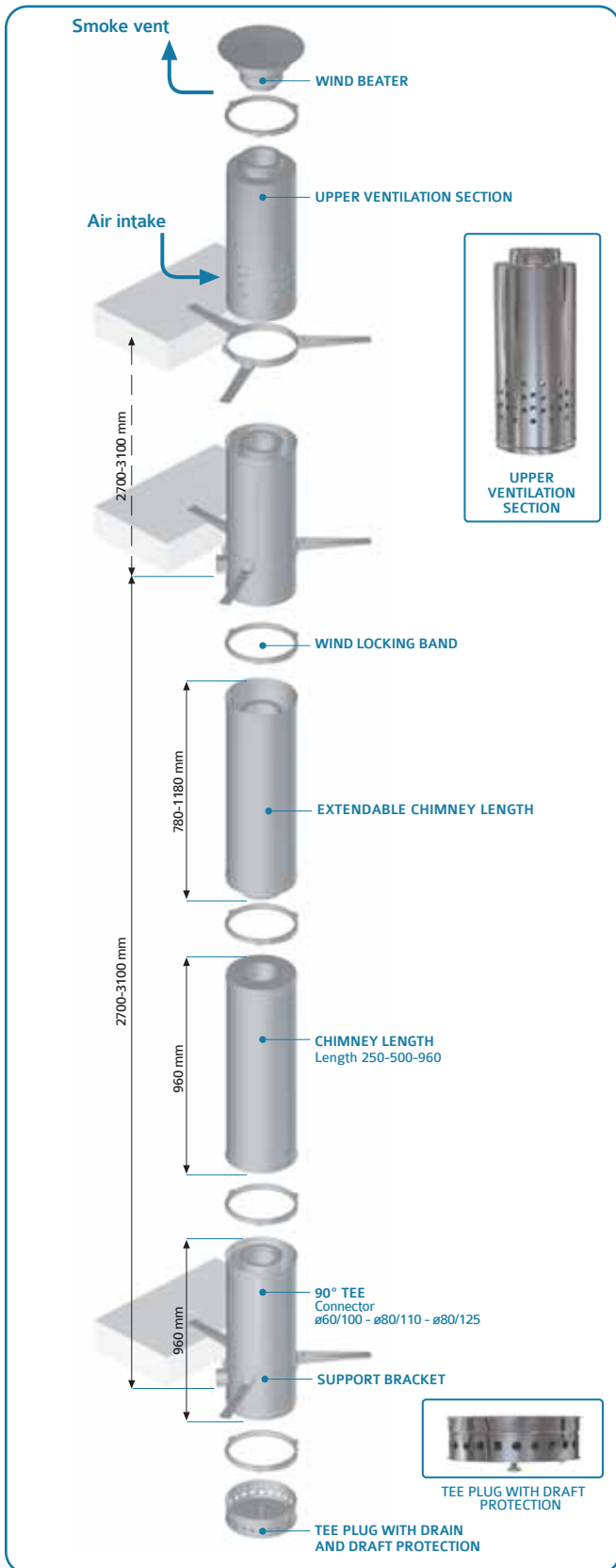
- 40 Pa (without joint)
- 200 Pa (with joint)



Fire resistant
EI 180

Consult our Technical Department for installations with chimneys and piping requiring fire resistant classification.

Collective chimney Practicshunt triple wall airtight line



- Conditions for calculating:
400 m > h > 200 m Natural gas boiler
3m. distance between floors Distance to top - 3m.
- For greater precision, do calculations using the programme provided, or consult the company directly.

Instructions for assembly

- A maximum of 10 connections may be installed.
- A tee plug with drain and draft protection must be installed at the lower end of the assembly.
- The chimney must be capped with a wind beater.
- A wind strap must be installed when the chimney extends 1.5 Metres beyond the anchor plate if wall anchor is not possible.
- All installations must bear the proper identification label, where the installer must detail product specifications, in accordance with regulation en 12391.
- We recommend using silicone caulking to seal the joints between sections with a diameter greater than 200 mm.
- The chimney cap must be free and clear of obstacles.

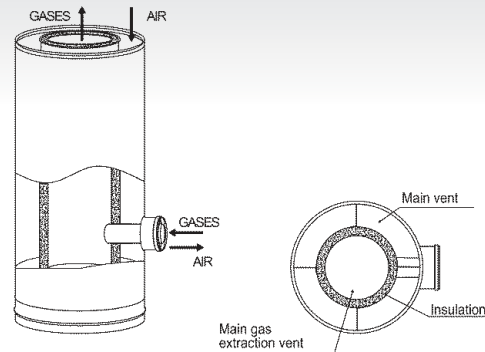
Indoor installations:

- A support bracket must be used for each section in indoor installation.

Outdoor installations:

- The installation must be anchored to the wall at 3 metre intervals using a wall strap.
- A wall support must be installed every 10 metres to provide extra support.

Details



Chimney dimensions

Calculation of triple shunt diameters (mm)

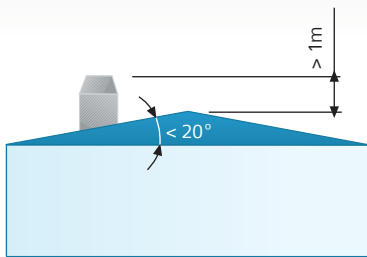
N° of floor	24 Kw		30 Kw	
	Boiler	Condensation	No Condensation	No Condensation
2	150/200/300	150/200/300	150/200/300	150/200/300
3	150/200/300	150/200/300	175/225/350	150/200/300
4	175/225/350	150/200/300	200/250/400	175/225/350
5	200/250/400	175/225/350	200/250/400	200/250/400
6	200/250/400	175/225/350	250/300/450	200/250/400
7	250/300/450	200/250/400	250/300/450	250/300/450
8	250/300/450	250/300/450	250/300/450	250/300/450
9	250/300/450	250/300/450	300/350/500	250/300/450
10	300/350/500	250/300/450	300/350/500	250/300/450

Assembly Regulations. Minimum distances for proper chimney function.

With regard to the roof

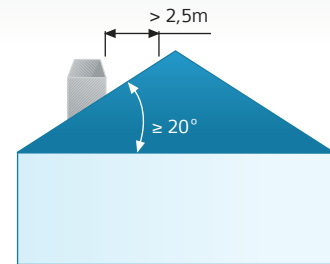
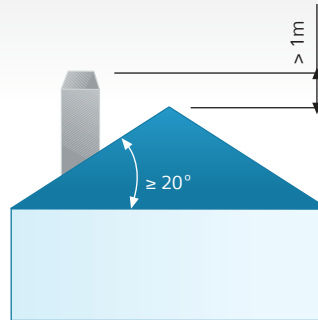
Case A: Flat roof ($< 20^\circ$)

- 1 metre above the ridgepiece.



Case B: Inclined roof ($\geq 20^\circ$) At least one of the following two conditions must be fulfilled:

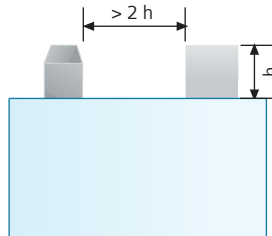
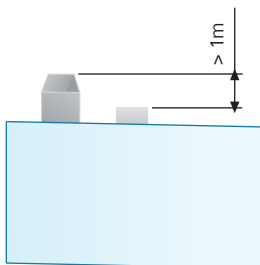
- 1 metre above the ridgepiece.
- Minimum horizontal clearance of 2.5 metres between the edge of the chimney and the roof.



With regard to obstacles on the roof

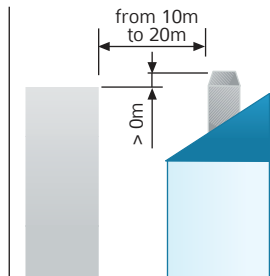
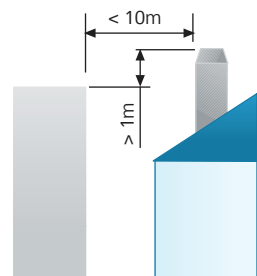
At least one of the following two conditions must be fulfilled:

- 1 metre above the obstacle.
- A horizontal clearance greater than two times the height of the obstacle.



With regard to external obstacles

- If the horizontal distance between the chimney and the adjacent building is less than 10 metres, the chimney must extend more than 1 metre beyond the highest point of the building.
- If the horizontal distance is greater than or equal to 10 metres, the chimney must extend beyond the height of the building.

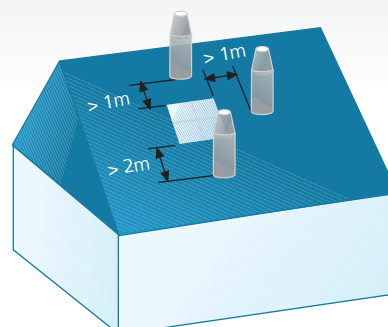
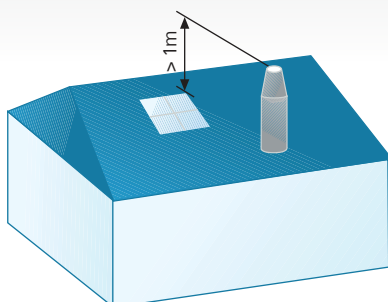


Minimum distances according to environmental criteria

With regard to openings in the roof

The following conditions must be fulfilled:

- 1 metre beyond the highest point of any window or opening.
- 2 metres above the surface of the roof and any opening situated behind the chimney.
- 1 metre above the surface of the roof and any window or opening situated in front of or to either side of the chimney.



Collective chimney

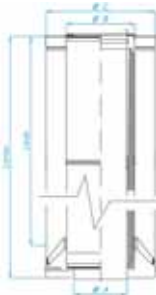
Practicshunt triple wall airtight line



Chimney length

A	Ø150	Ø175	Ø200	Ø250	Ø300
B	200	225	250	300	350
C	300	350	400	450	500
L	250 / 500 / 960				

All measurements are expressed in mm.



Extendable chimney length

A	Ø150	Ø175	Ø200	Ø250	Ø300
B	200	225	250	300	350
C	300	350	400	450	500
L min-max	780 - 1180				

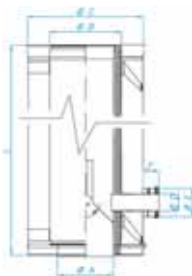
All measurements are expressed in mm.



45° Elbow

A	Ø150	Ø175	Ø200	Ø250	Ø300
B	200	225	250	300	350
C	300	350	400	450	500
D	321	373	428	482	535
L	296	304	348	428	436

All measurements are expressed in mm.



90° Tee Connector ØD - ØE

A	Ø150	Ø175	Ø200	Ø250	Ø300
B	200	225	250	300	350
C	300	350	400	450	500
F	56				
L	960				

ØD - ØE

60-100 / 80-110 / 80-125

All measurements are expressed in mm.



Wind beater

A	Ø150	Ø175	Ø200	Ø250	Ø300
B	200	225	250	300	350
D	360	500	500	500	573
L	145	164	164	190	209

All measurements are expressed in mm.