

Installation manual Metaloterm[®] MF

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Regulations

The chimney must be built up to the CE regulations and to the national regulations.

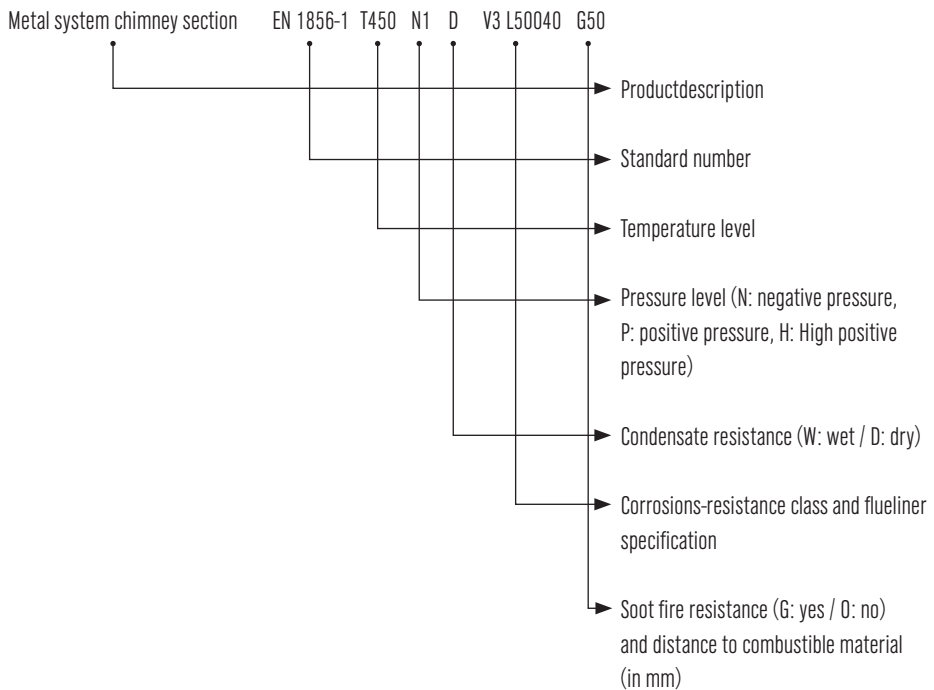
The Metaloterm[®]MF CE-designations are described in the Declaration of Performance, see website: www.metaloterm.com

The clearance to combustible materials, as indicated in the CE-designation, applies to chimneys installed fully ventilated.

Details to install a Metaloterm[®]MF chimney with an enclosure are shown in Figure 1-6.

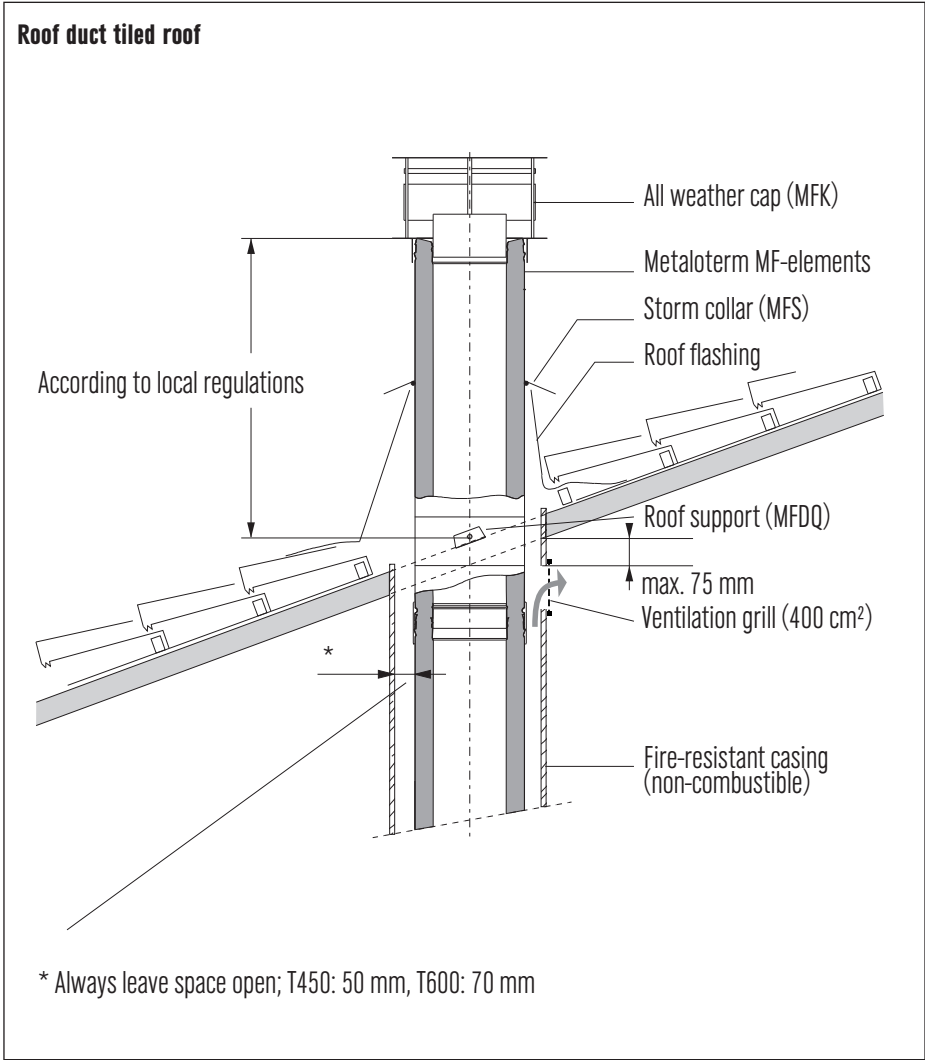
CE-designations

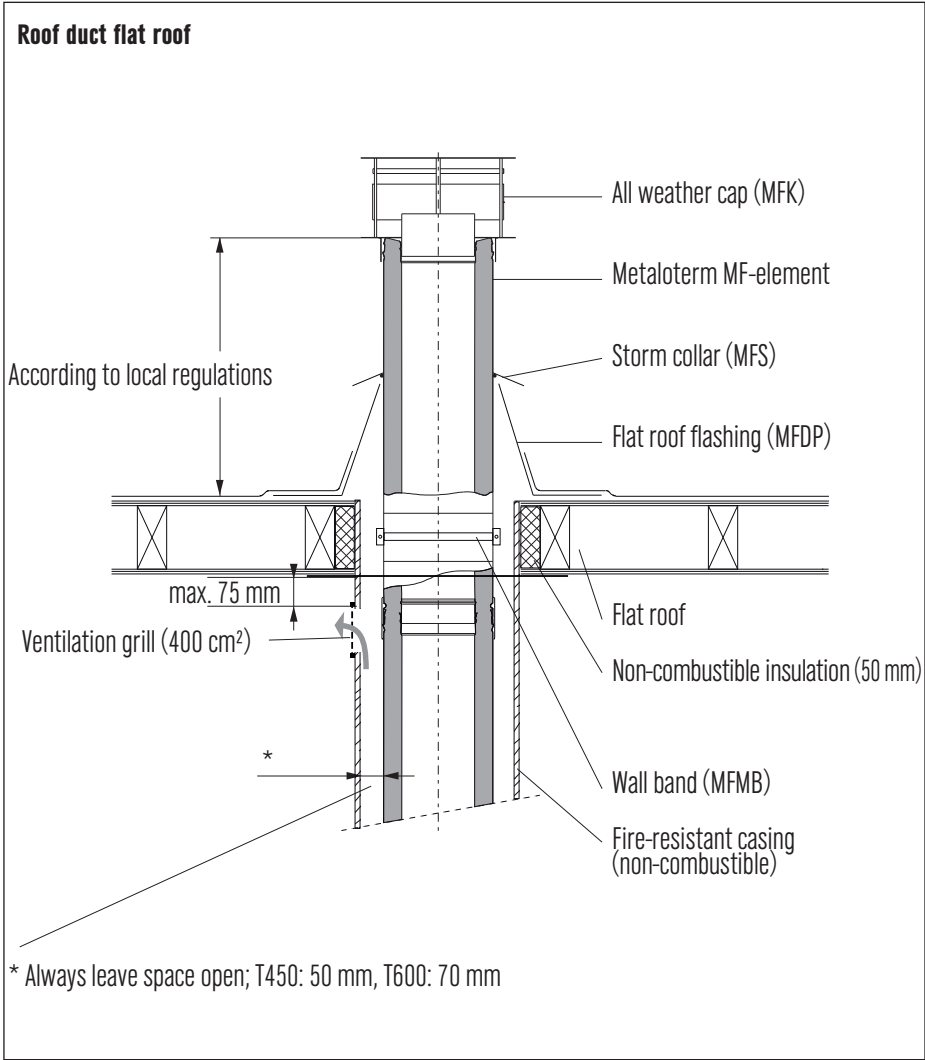
Example

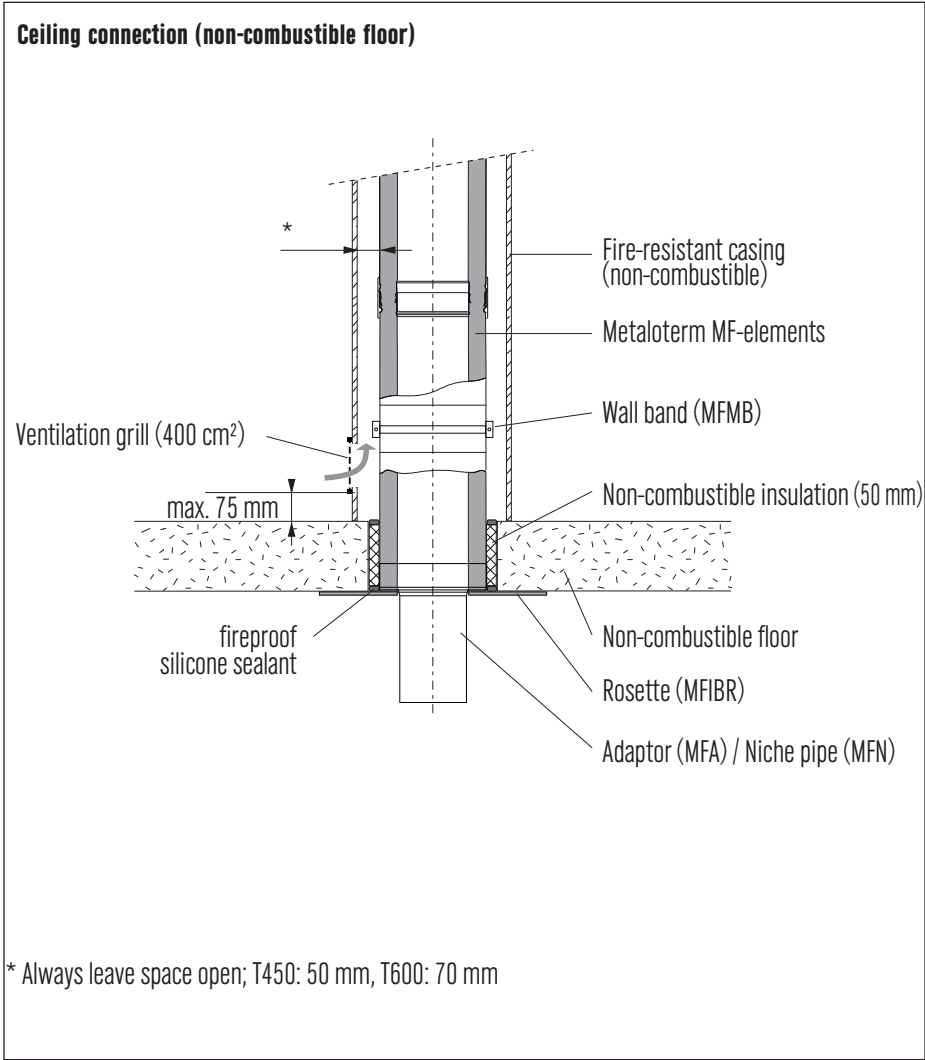


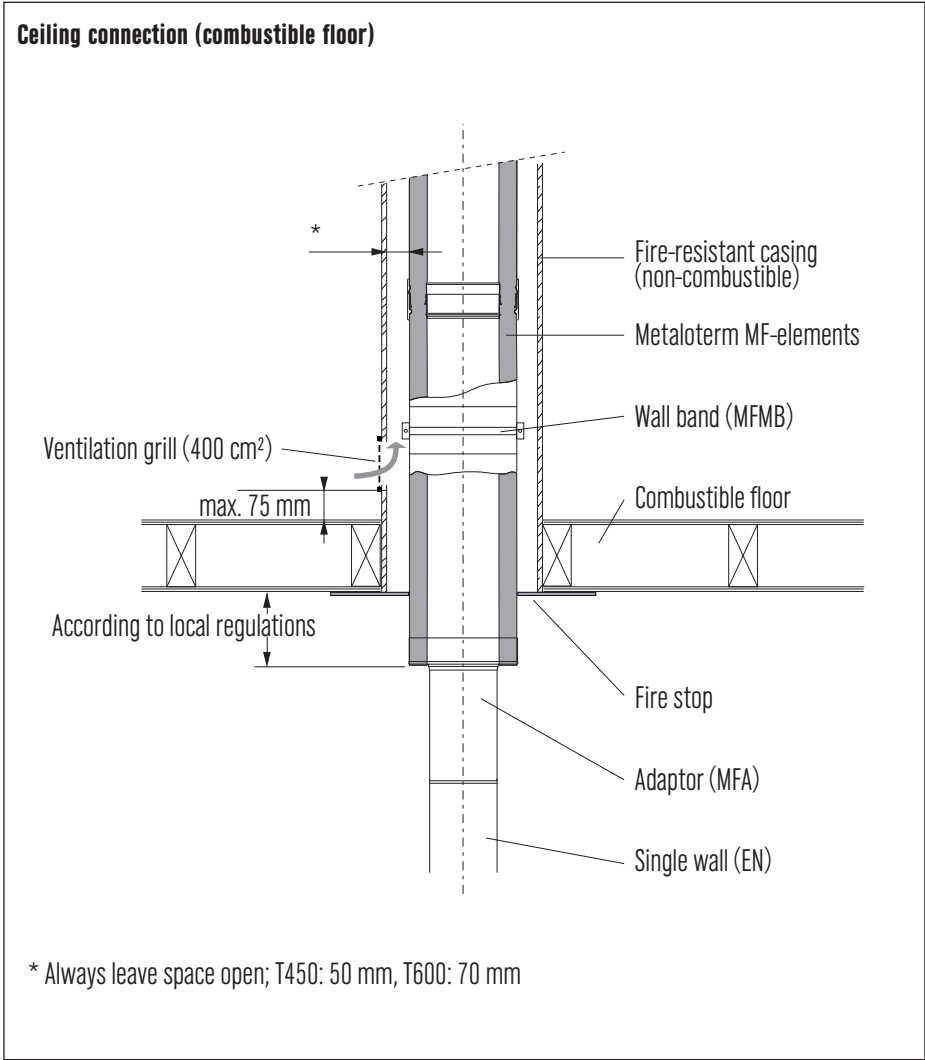
CE chimney plates

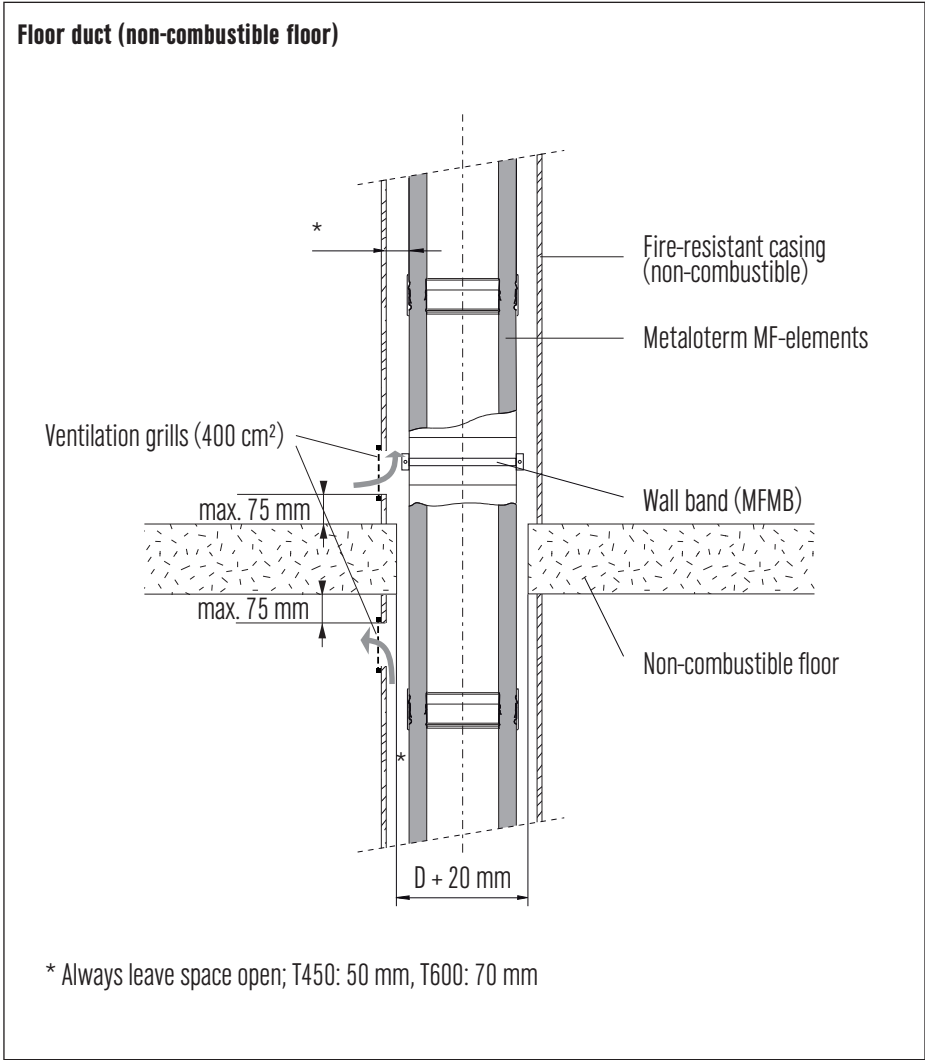
After installation a chimney plate must be applied. This is the responsibility of the installer. The chimney plates will be sent on application free of charge.

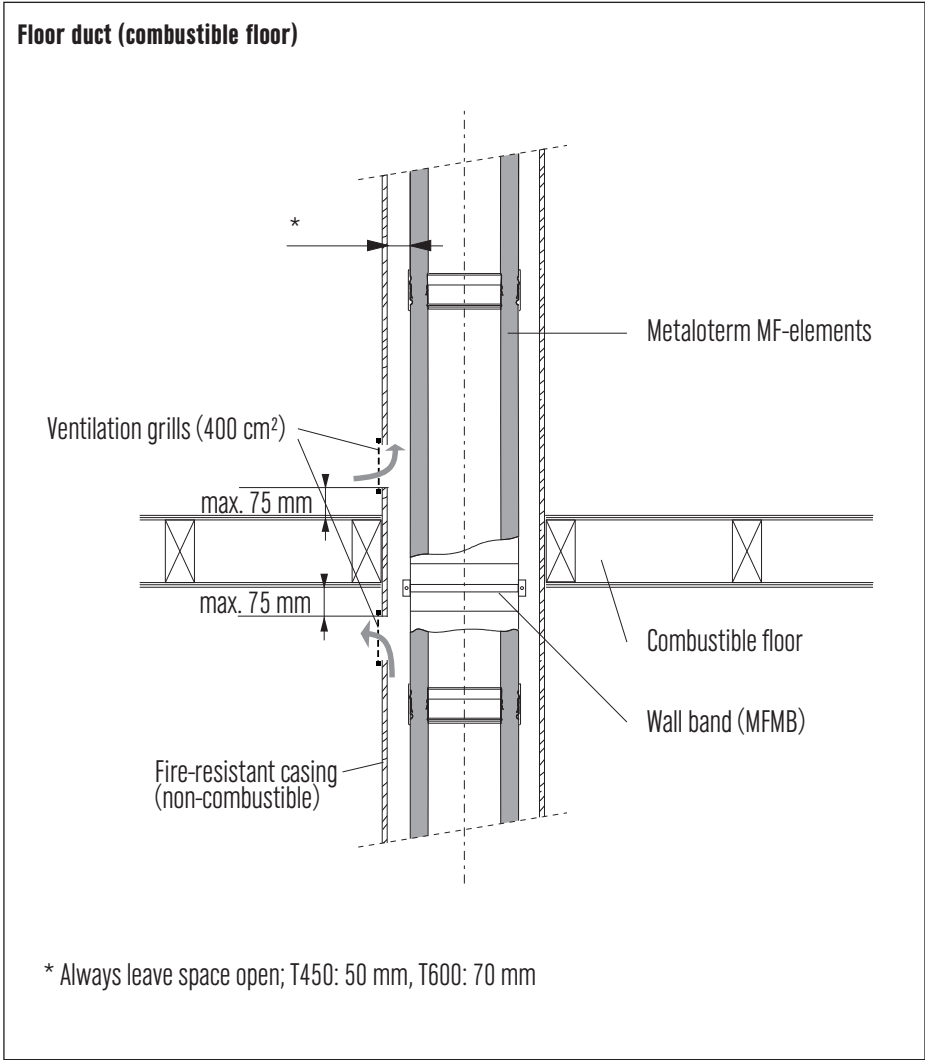




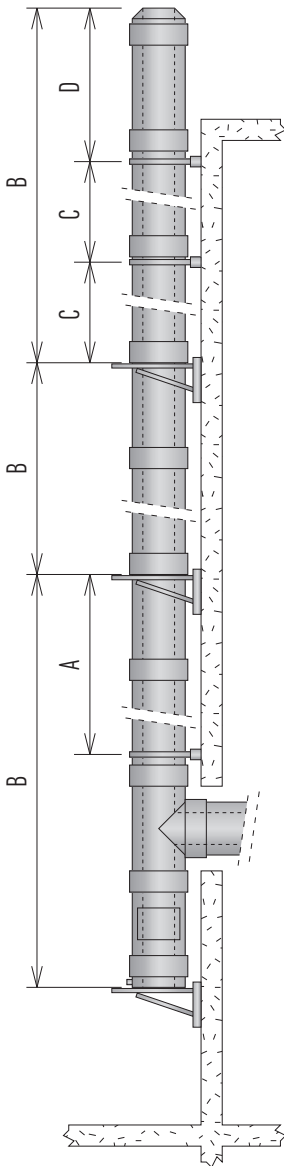








Mounting heights and distances



Ø (mm)	100	130	150	180	200	250	300	350	400	450	500	600	
A (m)	MFT 45	30	30	25	20	20	17	10	10	9	8	8	
	MFT 87	30	30	30	25	25	20	15	15	12	11	10	
	MFT 90	30	30	30	25	25	20	15	15	12	11	10	
	MF1	30	30	30	25	25	20	15	15	12	11	10	
	MFTI	30	30	25	20	20	17	10	10	9	8	8	
	MFTR	30	30	30	25	25	20	15	15	12	11	10	
	MFTRS	30	30	30	25	25	20	15	15	12	11	10	
	MFNL	30	30	30	25	25	20	15	15	12	11	10	
	B (m)	MFOL1/2	10	10	10	10	10	-	-	-	-	-	-
		MFDS 2/4	40	40	40	35	35	25	20	17	17	12	12
MFSA		5	5	5	5	5	5	5	5	5	5	5	
MFAP0		40	40	40	35	35	25	20	17	17	12	12	
MFAPU		40	40	40	35	35	25	20	17	17	12	12	
MFBS		40	40	40	35	35	25	20	17	17	12	12	
MFMO		10	10	10	10	10	10	8	6	4	2	2	
MFDQ		3	3	3	3	3	3	3	3	3	-	-	
MFTS		-	-	-	-	-	-	-	-	-	-	-	
C (m)		MFDQ	4	4	4	4	4	4	4	4	4	4	4
	MFMB	4	4	4	4	4	4	4	4	4	4	4	
	MFMBV	4	4	4	4	4	4	4	4	4	4	4	
	MFMBV + MFSK*3	3	3	3	3	3	3	3	3	3	3	3	
	MFMO	4	4	4	4	4	4	4	4	4	4	4	
	MFVQ	4	4	4	4	4	4	4	4	4	4	4	
D (m)	MFMB	2	2	2	2	2	2	2	2	2	2	2	
	MFMB + MFSK* 2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
	MFMBV	2	2	2	2	2	2	2	2	2	2	2	
	MFMBV + MFSK*3	3	3	3	3	3	3	3	3	3	3	3	
	MFDQ	2	2	2	2	2	2	2	2	2	2	2	
	MFMO	2	2	2	2	2	2	2	2	2	2	2	
	MFBT**	3	3	3	3	3	3	3	3	3	3	3	

* Provided that the joints above and below the last connection point are reinforced with a MFSK.

** The construction height B becomes 30% lower, when making use of a MFBI. Guy-wires are to be fixed at an angle of 45 degrees, at 2/3 of the freestanding height. All joints above the last connection point and the joint directly below the last connection point have to be reinforced with a MFSK.

A Maximum supportable height above Tee piece when chimney is supported by wall support at base.

B Maximum supportable height that can be borne by wall support.

C Maximum distance between lateral supports i.e. wall bands and wall supports.

D Maximum allowable free standing height above last support.

- For non-vertical parts of flue system the maximum distance between two wall bands i.e. brackets is 2,5* m (*ø 450-600 = 3,5 m)

- In case of a condensing application a slope of 3° upwards, starting from the appliance, has to be applied

Important: the product with the lowest load bearing capacity determines the maximum supported height.

The clearance to combustible materials, as indicated in the CE-designation, applies to flues with a nominal diameter up to and including 300 mm.

Regarding flues with a larger nominal diameter, the clearance must be multiplied by a factor: ø 350 - ø 450 x 1,5, ø 500 - ø 600 x 2, > ø 700 x 4.

Mounting instructions Metalterm® MF 10-40

Installation

Check all parts for possible damage.

The installation of the chimney starts at the appliance and then progresses upwards to the terminal. With condensing applications, MF must be installed at an angle of 3°. For applications with temperatures > 200°C, the sealing rings have to be removed.

The top of each element can be recognized by the profiled edge. At the bottom of each section (MF 100) an arrow is printed which indicates the direction of the flow (Fig. 1).

Connect two elements by pushing them vertically into each other. The sealing ring in the inner wall must remain in its position and must not be damaged during connection of the elements. Make sure the welded seams of the connecting sections are in line.

Once the elements are connected tighten the prefixed locking band (Fig. 2).

Then install the next element as instructed above.

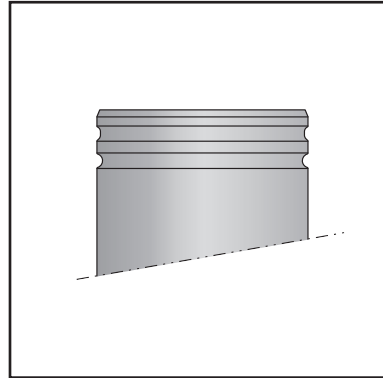


Fig. 1

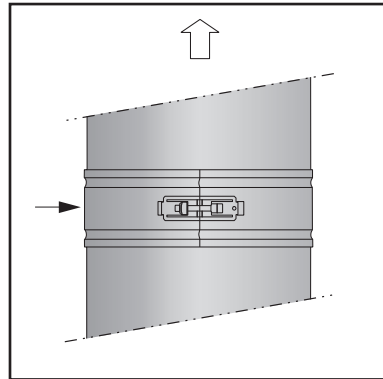


Fig. 2 Prefixed

Ontop B.V.

Postbus 135, 4330 AC Middelburg
Oude Veerseweg 23, 4332 SH Middelburg
Nederland
T: +31 (0)118 68 99 00
F: +31 (0)118 68 99 99
E: info.nl@ontop.nl

Ontop Abgastechnik GmbH

Albert-Einstein-Straße 8
51674 Wiehl
Deutschland
T: +49 (0)2261 708 -0
F: +49 (0)2261 708 90
E: info.de@ontop-abgastechnik.de

Metaloterm France S.A.R.L.

65, Avenue du Général de Gaulle
77420 Champs-sur-Marne
France
T: +33 (0)1 64 62 12 30
F: +33 (0)1 64 62 11 08
E: info.fr@metaloterm.com

Ontop Polska Sp. z o.o.

ul. Hallera 75
98 - 100 Wiewiórczyn
Polska
T: +48 (0)43 676 33 66
F: +48 (0)42 209 10 57
E: info.pl@metaloterm.com

www.metaloterm.com