



Requirements for metal chimneys
Flue liners and connecting flue pipes



Manufacturer identification: M.T. S.r.l.,
Via Castel di Sotto, 2
31040, Giavera del Montello (TV)

Factory address: Via 1° maggio, 19
31040, Giavera del Montello (TV)

Commercial identification: MONO ECO 50, MONO ECO 60 and
MONO ECO 80 series systems

Product description: High efficiency single-wall chimneys,
AISI 316L stainless steel builded.

Identified body: Kiwa Italia S.P.A.
Via C. Goldoni, 1
20129, Milano (MI) - Italia

Certificate number: EN 1856-2, 0694-CPR-8076/2

Evaluation and verify product item: 2+ system

Legal representative: Mr. Caoduro Romano
(Managing director)

Product designation - single-wall system
MONO ECO 50- MONO ECO 60 - MONO ECO 80

- 1 - EN1856-2:2009 - T200 P1 W V2 L50xxx O75
- 2 - EN1856-2:2009 - T600 N1 D V2 L50xxx O400
- 3 - EN1856-2:2009 - T600 N1 D V2 L50xxx G600M

Standard number _____

Temperature level _____

Pressure level (N or P) _____

Condensate resistance (W = wet; D = dry) _____

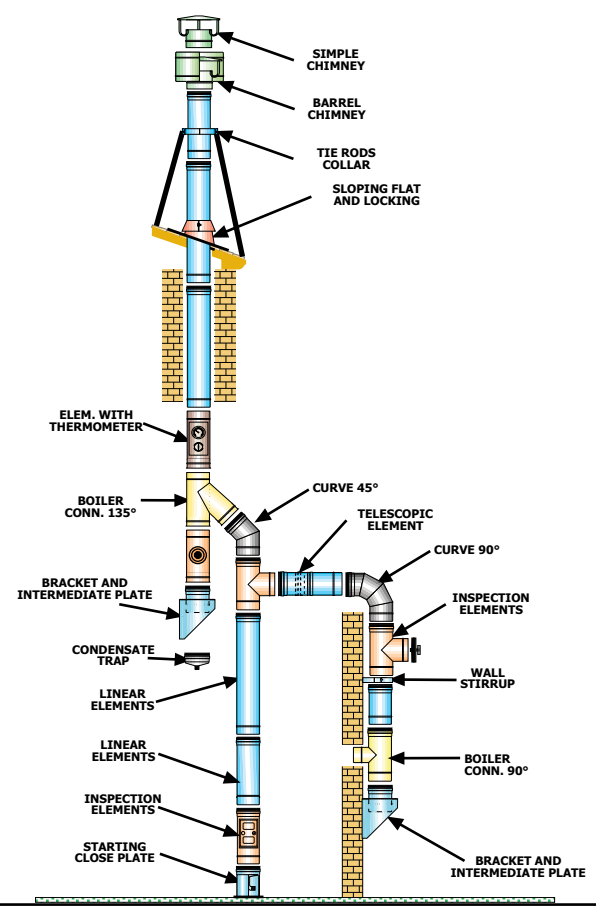
Corrosion resistance (durability against corrosion) _____

Material specification (code and thickness in mm) _____

Fire resistance (G=yes; O=no) and distance to combustible material _____

distances from combustible materials contained in this prospectus are applicable to nominal diameters until $\phi 300\text{mm}$; for larger diameters, You need to apply the following correction factors to the distances:
- from DN=301 to DN=450mm, multiply the distance above by 1,5;
- from DN=451 to DN=600mm, multiply the distance above by 2;
- for DN>600mm multiply the distance above by 4.

| performances | 1856/2 |
|---|--|
| Nominal sizes of MONO ECO 50, ECO 60, ECO 80 (mm): | Par. 4 ϕ 80, 100, 120, 130, 140, 150, 160, 180, 200, 230, 250, 300, 350, 400. |
| Material type: | Par. 4 Stainless steel AISI 316L spes. 5/10, 6/10 o 8/10 mm. |
| Gasket: | Silicon gasket, cert. EN14241 |
| Lateral strenght: | Par. 6.1.1 <math>< 2,0\text{ mm/m}</math> between consecutive supports, which must be placed to one another at a max dist. of 3 m. |
| Compressive strength: | Par. 6.1.1 Maximum load: 140 kg total. |
| Maximum displacement of chimney at the support | Par. 6.1.1 Pass. |
| Thermal resistance: | Par. 6.4.3 $0,01\text{ m}^2\text{K/W}$, declared. |
| Minimum distance to combustibile materials and sootfire resistance: | Par. 6.2.2 Design. 1 and 2: class O, not pass. Design. 3: class G, pass. Distances as reported in pag. 1. |
| Thermal shock resistance | Par. 6.4.1 Designation 1: pass at 200°C ; Designation 2-3: pass at 600°C . |
| Gas tightness of the evacuation circuit of combustion products: | Par. 6.3 P1 with gasket, that is $< 0,006\text{ l/(s}\cdot\text{m}^2)</math>;N1 without gasket: < 2,0\text{ l/(s}\cdot\text{m}^2)</math>.$ |
| Flexural strength: | Par. 6.1.1 Pass. |
| Condensate penetration resistance: | Par. 6.6.5 Designation 1: class W; Designation 2 and 3: class D. |
| Steam diffusion resistance: | Par. 6.4.4 Increase in weight of the dry insulating material: $< 1,0\%$. |
| Average roughness value of the linear elements: | Par. 6.4.6 $0,01\text{ mm}$, declared. |
| Corrosion resistance: | Par. 6.5.1 V2 class. |
| Coeff. of resistance to the flow of non-linear components: | Par. 6.4.6 According to standard EN13384-1, per flow values of $6,0\text{ m/s}$. |
| Resistance to freezing and thawing | Par. 6.7.3 Pass. |
| Direction of flow | Par. 7.2 Available |



Position and compilation of the identifying plate

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Via 1° Maggio, 19 Z.I. di Cusignona
31040 Giavera del Montello (TV)
Tel. 0422 870215 - Fax 0422 870240

Single-wall stainless steel chimney

MONO ECO 50 series

T200 - P1 - W - V2 - L50050 - O75

T600 - N1 - D - V2 - L50050 - G600M

MONO ECO 60 series

T200 - P1 - W - V2 - L50060 - O75

T600 - N1 - D - V2 - L50060 - G600M

MONO ECO 80 series

T600 - P1 - W - V2 - L50080 - O75

T600 - N1 - D - V2 - L50080 - G600M

EN1856-2:2009 - Certificate N° 0694-CDR-8076/2

Designation EN 1443: _____

Nominal diameter of the chimney (mm): _____

Distance to combustible materials (mm): _____

Installer: _____

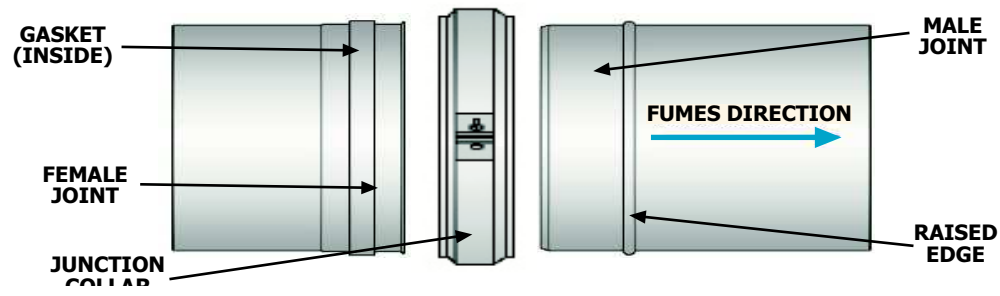
Address: _____

Installation date: _____

Warning: This plate must not be changed or removed

This plate must be completed by filling in the blank fields with permanent marker, and then fix in close proximity of the fireplace installed, in a visible position. Pay attention to the descriptio of the product according to EN1443, as shown in page n°1 of this booklet.

Joining parts method



- Make sure the gasket is fixed in the groove
- Insert the male joint into the female joint until the raised edge does not block its run on the female joint;
- Block the interlocking with its junction collar: it is perfectly symmetrical in the two flaps, upper and lower.