

1. Applications.

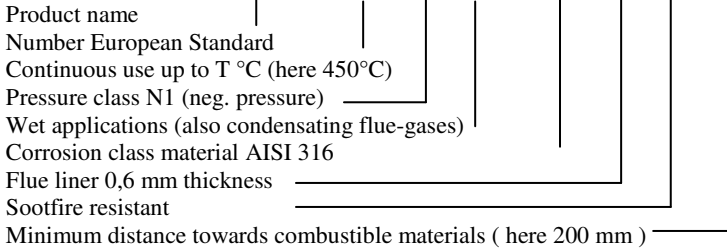
Application codification according to European Standard EN 1856 – 1

The exact codification of the products, as well as the diameters, are indicated on the packing.

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OPSINOX EW6 – EN 1856-1 – T 450 – N1 – D – Vm L50 060 – G – (200)



Explanation.

N1 (neg.pressure): leakage rate < 2 l/(s.m²) at 40 Pa

P1 (pos.pressure): leakage < 0,006 l/(s.m²) at 200 Pa

P2 (pos.pressure): leakage < 0,12 l/(s.m²) at 200 Pa

H1 (high press): leakage < 0,006 l/(s.m²) at 5.000 Pa

H2 (high press): leakage < 0,12 l/(s.m²) at 5.000 Pa

D = Dry = not – condensating gases

W = Wet = also for condensating gases

VmL50 = st.st. AISI 316 L

VmL40 = st.st. AISI 316

G = sootfire resistant

O = not sootfire resistant

Technical characteristics of pipes Lu = 950 mm (R = 0,44 m².°K / W)

Int Diam.(mm)	111	125	131	139	150	180	200	220	250	300	350	400
Dikte (mm)	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,8	0,8
Min. weight 1000mm (kg)	1,000	1,800	1,900	2,100	2,200	2,700	3,000	3,300	3,700	4,500	6,900	8,000
Min. weight 500mm (kg)	1,000	0,900	1,000	1,000	1,100	1,300	2,000	2,200	2,500	3,000	3,500	5,000

2. General remarks.

- ATTENTION ! The edges of stainless steel components are very sharp; it is an absolute must to use adequate personal protection (gloves...etc)
- The dimensions of the chimneys shall be determined and calculated using the applicable standards (a.o. EN 13384 – 1 and 2).
- Chimneys in stainless steel shall not be installed in environments with halogens (dry cleaning, hairdressing, etc...).
- When a chimney is installed in a closed technical compartment (or when it is enclosed after installation), these compartments must be ventilated in a sufficient way to remove the heat of the chimney; also there will be sufficient inspection and maintenance accesses.
- If there exists a possibility of “accidental human contact”, there is also a real danger of burns for people. In this case the chimney must be enclosed (by a wire netting or equivalent) to avoid such “accidental human contacts”.
- Special attention will be payed to minimum distance to combustible materials (always to respect !) (here as example : 200 mm from the outer pipe).
- When installing the chimney, all applicable local laws and regulations must be followed (a.o. EN 12391 – 1).
- The chimney outlet on top of the roof shall not be situated in an area of overpressure or in a turbulent zone. The applicable regulations shall be respected (a.o. EN 12391 – 1).

3. Installation and assembling.

- The assembly is done in the following way:
 - o The female side of each element has to be to the top
 - o Fasten the male side into the female
 - o Welds in a straight line below the other
 - o Placing the clamping ring and fastening

4. Changing directions.

- With bends at 15°, 30° and 45° it is possible to realize horizontal parts and slopes. These parts must always have one support per meter.
- By use of a T-piece (45° or 90°), the heating appliances can be connected to the chimney.
- All these non-vertical parts must be in accordance with eventual local prescriptions.

5. Supports.

- A floor base plate or a wall support is placed at the bottom of the chimney. In a vertical configuration it is allowed to install up to 10 pipes of 1 meter,(8m if diameter 350 and 400), only then a second supporting device is needed.
- Wall supports – they never take vertical charges – are used to guide the chimney sideways. They are placed at each 2 meters on the vertical parts that are installed at the outside of a building and at each 3 meters when installed at the inside.

6. Roof top installation.

- A single-walled duct must terminate above the roof in double-wall. Roof flashing plates, special type for chimneys, must be installed by a qualified installer (rainwater tightness). The installation instructions of the manufacturer must be respected.
- Around the chimney pipe, a storm collar is placed so that it fits over the flashing
- At the top of the chimney a finishing part is placed (truncated cone terminal or end piece with rain cap) so that no rainwater can penetrate into the insulation part of the chimney pipe.
- The freestanding height of the chimney (above the highest wall bracket) is limited to 1,8 meter max. Between 1,8 and 2,8 meter the chimney shall be supported by tension cables (fixation point at about 2 meters height). With higher chimneys a special independent support structure must be installed.

7. Condensations applications.

- When the flue gases are condensing, or when there is a possible rainwater inflow, a water drain point must be installed to evacuate the water to the central drain system. In case of horizontal ducting, they should be placed with a slope (3%).

8. Inspection and maintenance.

- Chimney-sweeping and general maintenance have to be done according to the local prescriptions and legislation. Never use steel brushes, only nylon brushes
- The chimney will be inspected (outside and inside) at least once per year by a qualified technical workman.