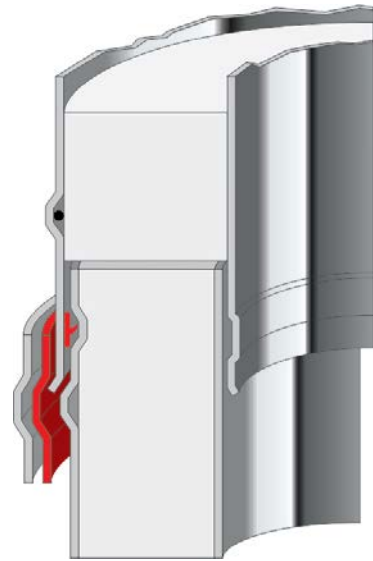


Metalbestos-5000 Multi50

Ver. 2.0
Date: 2016-06-01

| | |
|--|---|
| Application: | Double wall insulated system chimney for commercial application: boilers, diesel generators, CHP units, air and smoke extraction, process application |
| Installation: | Outside or inside a building |
| Fuels: | Gas, oil |
| Operating temperature: | ≤ 600 °C |
| Sootfire resistance: | No |
| Mode of operation: | High positive pressure (H1 ≤ 5000 Pa) – with lip seal gasket on outercase & locking band Dry |
| Inner liner material: | 1.4404 (316L) |
| Outer casing material: | 14301 (304) |
| Outer casing finish: | - BA - shiny (standard), - 2B - matt |
| Insulation type: | Superwool Plus blanket |
| Insulation density: | 96 kg/m ³ |
| Thermal resistance: | 0,59 m ² K/W calculated at 200 °C with Ø200 mm liner according to EN 1859 |
| Mean roughness: | 1,0 mm according to EN 13384-1 |
| Height above last structural support: | - 3,0 m (Ø80 - Ø250) - 2,5 m (Ø300) - 2,0 m (Ø350 - Ø700) |
| Distance between lateral supports: | - 4,0 m (Ø80 - Ø300) - 3,0 m (Ø350 - Ø700) |



Diameter Range:

| Internal diameter: | 80 | 100 | 130 | 150 | 180 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 600 |
|---|-----------------------------------|-----|-----|------|------|--------|------|------|------|------|--------|------|------|
| External diameter: | 180 | 200 | 230 | 250 | 280 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 700 |
| Inner liner thickness: | 0,6 mm standard (1,0 mm optional) | | | | | | | | | | | | |
| Outer wall thickness: | 0,5 mm | | | | | 0,6 mm | | | | | 0,7 mm | | |
| Weight (kg/m) with inner liner thickness 0,6 mm | 5,6 | 6,5 | 7,8 | 8,7 | 10,0 | 10,9 | 14,0 | 16,3 | 18,7 | 21,0 | 23,4 | 27,2 | 32,1 |
| Weight (kg/m) with inner liner thickness 1,0 mm | - | - | - | 10,3 | 11,9 | 13,0 | 16,6 | 19,5 | 22,3 | 25,2 | 28,0 | 32,4 | 38,4 |

* Production possible up to inner liner diameter 800 mm - certificate in preparation

Certificates and designations:

| | |
|--------------------------------------|--|
| ICS 5000 50 – System chimney: | 0036 – CPD – 91236 – 027 0036 – CPD – 9195 – 027 rev.01 |
| CE Designation EN 1856-1: | T600 - H1 - D – V3 - L50050 - OXX* T600 - H1 - D – V2 - L99050 - OXX* |

*distance to combustible materials depends on diameter and type of installation:

Fig. 1: Installation outside fully ventilated

Distance to combustibles at:

T600: \varnothing 80 – \varnothing 300 = **O50**
 \varnothing 350 – \varnothing 450 = **O75**
 \varnothing 500 – \varnothing 600 = **O100**

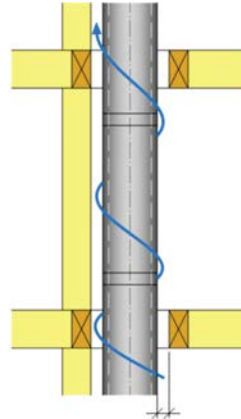


Fig. 1

| | |
|--|--|
| ICS 5000 50 - Connecting flue pipe: | 0036 – CPR – 91236 – 036 0036 – CPR – 9195 – 036 |
| CE Designation EN 1856-2: | T450 - H1 - D – V3 – L50050 – G100 M T450 - H1 - D – V2 – L99050 – G100 M |

Fig. 2: Installed as horizontal connecting flue pipe

Distance to combustibles at:

T600: \varnothing 80 – \varnothing 300 = **G100**



Fig. 2