



Certificate No. 1020-CPR-070038635, Annex No. 9

Technical description of the product

Metal insulated negative pressure chimneys type SLIM-EKO

Nominal diameter of flue liner [mm]	130	140	150	160	180	200	225	250	300	350	400	450	500
Thickness of insulation [mm]	30												
Grade of material	flue: 1.4404; outer sheath: 1.4301 (1.4307)												
Thickness of material	flue: 0,80 mm; outer sheath: 0,50 mm												
Area of flue liner intersection [cm ²]	135	152	179	203	254	317	399	494	706	968	1262	1597	1970
Maximum load [N/mb]	90,6	93,0	100,6	103,5	118,3	120,2	134,1	151,0	176,3	194,8	226,6	243,5	277,0
Purpose	For boilers for solid fuels acc. EN 303-5												
Pressure level	Negative pressure, Pressure level: N1												
Max. temperature of exhaust gases (Temp. class)	450°C (T450)												
Condensate resistance *)	working wet - W												
Distance to combustible material	min. 100 mm												
Thermal resistance	0,4 m ² K/W												
Corrosion resistance	Vm												
Sootfire resistance	G – proof												
Medium height of chimney	14 m												

*) - in CR established by national regulation – CSN 73 4201, Annex A

All chimney sections and fittings of Metal insulated negative pressure chimneys type SLIM-EKO (made by KOMIN-FLEX) should be designated in accordance with the following designation system:

EN 1856-1 T450 N1 W Vm L50080 G100

Standard number

Temperature level (°C)

Pressure level (negative pressure)

Condensate resistance (W: wet)

Corrosion resistance (Vm – dec. of material type)

Flue liner material specification (L50 - steel 1.4404, thickness of flue liner .0.80 mm)

Sootfire resistance (G: resistant), distance to combustible material: min. 100

The stamp of the Notified Body 1020

Ostrava, 11 June 2018



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