



TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE

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Certificate No. 1020-CPR-070038635, Annex No. 3

Technical description of the product
Metal insulated negative pressure chimneys type SLIM

Nominal diameter of flue liner [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Thickness of insulation [mm]	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Grade of material	1.4301 (1.4307), 1.4521																
Thickness of flue liner [mm]	0,40 do 1,0																
Area of flue liner intersection [cm ²]	50	78	98	117	135	152	179	203	254	317	399	494	706	968	1262	1597	1970
Maximum load [N/mb]	70,0	74,0	78,6	85,5	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	Drain of combustion products of gas, oil, wood, pellets																
Pressure level	Negative pressure, Pressure level: N1																
Max. temperature of exhaust gases (Temp. class)	450°C (T450)																
Condensate resistance *)	working dry - D, working wet - W																
Distance to combustible material	min. 100 mm																
Thermal resistance	0,4 m ² K/W																
Corrosion resistance	Vm (for grade 1.4521: V1, V2, V3)																
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 (made by KOMIN-FLEX) should be designated in accordance with the following designation system:

EN 1856-1 T450 N1 W Vm L20xxx G100

Standard number

Temperature level (°C)

Pressure level (negative pressure)

Condensate resistance (D: dry, W: wet)

Corrosion resistance (Vm – dec. of material type, V1, V2, V3 – tests)

Flue liner material specification (L20 - steel 1.4301, thickness of flue liner .0,XX mm)

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

The stamp of the Notified Body 1020

Ostrava, 2 June 2025



Ing. Vladimír Plaček, Ph.D.
 Deputy manager of the Notified Body