



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

Akreditované laboratoře, Autorizovaná osoba, Oznámený subjekt, Subjekt pro technické posuzování, Certifikační orgány,
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Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Certificate No. 1020-CPR-070038635, Annex No. 2

Technical description of the product

Metal insulated negative pressure chimneys type HT

Nominal diameter of flue liner [mm]	110	120	130	140	150	160	180	200	225	250	300	350	400
Thickness of insulation [mm]													
- total	60												
- ceramic insulation	20												
- mineral insulation	40												
Grade of material	1.4404, 1.4301 (1.4307), 1.4521, 1.4828												
Thickness of flue liner [mm]	from 0,80 to 1,00 mm												
Area of flue liner intersection [cm ²]	98	117	135	152	179	203	254	317	399	494	706	968	1262
Maximum load [N/m]	84,9	92,3	97,8	100,4	108,6	111,8	127,8	129,8	144,8	163,1	190,4	210,4	244,7
Purpose	Drain of combustion products of gas, of oil, of energy solid fuels about temperatures to 600°C												
Pressure level	Negative pressure, Pressure level: N1												
Max. temperature of exhaust gases (Temperature class)	600°C (T600)												
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 – resistant												
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 HT
(made by KOMIN-FLEX) should be designated in accordance with the following designation system:**

EN 1856-1	T600	N1	W	Vm	L50xxx	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 (L50 – steel 1.4404, 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