



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

Akreditované laboratoře, Autorizovaná osoba, Notifikovaná osoba, Oznamovaný subjekt, Subjekt pro technické posuzování, Certifikační orgány, Inspekční orgán / Accredited Laboratories, Authorized Body, Notified Body, Technical Assessment Body, Certification Bodies, Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Certificate No. 1020-CPR-070038635, Annex No. 1

**Technical description of the product:**  
**Metal insulated negative pressure chimneys type KF**

Nominal diameter of flue liner [mm]	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Thickness of insulation [mm]	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	to 60	to 60	to 60	to 60	to 75	to 75	to 75	to 75	to 75	to 75	to 75	to 75	to 75	to 75	to 75
Grade of material	1.4404, 1.4301 (1.4307), 1.4521, 1.4828														
Thickness of flue liner [mm]	from 0,40 to 1,00														
Area of flue liner intersection [cm <sup>2</sup> ]	98	117	135	152	179	203	254	317	399	494	706	968	1262	1597	1970
Maximum load [N/m]	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, energy solid fuels, wood, pellets														
Pressure level	Negative pressure, Pressure level: N1														
Max. temperature of exhaust gases (Temperature class)	450°C (T450) steel 1.4828: 600°C (T600)														
Condensate resistance *)	working dry - D, working wet - W														
Distance to combustible material	min. 100 mm														
Thermal resistance	0,4 m <sup>2</sup> 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 KF (made by KOMIN-FLEX) should be designated in accordance with the following designation system:**

<b>EN 1856-1</b>	<b>T450</b>	<b>N1</b>	<b>W</b>	<b>Vm</b>	<b>L50xxx</b>	<b>G100</b>
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, 18 May 2023



Dipl. Eng. Vojtěch Šebek  
 Deputy manager of the Notified Body