



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

Akreditované laboratoře, Autorizovaná 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-070038639, Annex No. 2

**Technical description of the product**  
**Metal insulated positive pressure chimneys type SPS IZOL**

Nominal diameter of flue liner [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Outer diameter of insulated wire [mm]	125	150	160	180	190	200	210	220	240	260	285	310	360	410	460	510	560
Grade of material	1.4404, 1.4301 (1.4307), 1.4521																
Thickness of flue liner [mm]	from 0,40 to 0,60																
Area of flue duct intersection ~ [cm <sup>2</sup> ]	50	78	95	113	133	154	177	201	254	314	397	491	706	962	1256	1590	1962
Approximate design load [N/m]	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 and pellet from roomsealed heating appliances, components of flue gas chimney systems type CASCADE and LAS																
Pressure level	Positive pressure, Pressure level: P1																
Max. temperature of exhaust gases (Temperature class)	200°C (T200)																
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	O - not 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 positive pressure chimneys type SPS IZOL (made by KOMIN-FLEX) should be designated in accordance with the following designation system:**

**EN 14989-2    T200    P1    W    Vm    L20xxx    O100**

Standard number	EN 14989-2
Temperature level (°C)	T200
Pressure level (positive pressure)	P1
Condensate resistance (D: dry, W: wet)	W
Corrosion resistance (Vm – dec. of material type, V1, V2, V3 – tests)	Vm
Flue liner material specification (L20 - steel 1.4301, thickness of flue liner .0,XX mm)	L20xxx
Sootfire resistance (O: not resistant), distance to combustible material: min. 100	O100

The stamp of the Notified Body 1020

Ostrava, 2 June 2025



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