



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. 7

Technical description of the product
Metal under pressure flue liners type OVAL

Internal dimension of the oval liner [mm]	Base diameter	150	160	170	180	190	200
	Oval A x B	110x185 120x180	110x200 120x195	110x215 120x210 130x200	120x225 130x220	120x245 130x240	130x255 140x250
Grade of material	1.4404, 1.4301 (1.4307), 1.4828, 1.4521						
Thickness of flue liner [mm]	from 0,40 to 1,00						
Purpose	Drain of combustion products of gas, oil and 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. 500 mm						
Corrosion resistance	Vm (for grade 1.4521: V1, V2, V3)						
Sootfire resistance	G - resistant						

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

All chimney sections and fittings of Metal under pressure flue liners type OVAL (made by KOMIN-FLEX) should be designated in accordance with the following designation system:

EN 1856-2	T450	N1	W	Vm	L50xxx	G500
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. 500						

The stamp of the Notified Body 1020

Ostrava, 2 June 2025



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