



Certificate No. 1020-CPD-070038635, Annex No. 5

## Technical description of the product

### Metal negative pressure flue liners type KF

Nominal diameter of flue liner [mm]	80	100	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Grade of material	1.4404, 1.4301, 1.4828, 1.4521																
Thickness of flue liner [mm]	0,4 do 0,6	0,4 do 0,6	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0	0,4 do 1,0
Area of flue liner intersection [cm <sup>2</sup> ]	50	78	98	117	135	152	179	203	254	317	399	494	706	968	1262	1597	1970
Maximum load [N/m]	14,8	16,5	19,4	20,9	22,55	23,3	26,07	26,51	33,88	34,7	37,4	43,4	52,3	58,0	69,63	47,58	87,0
Purpose	Drain of combustion products of gas, oil and energy solid fuels																
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 negative pressure flue liners type KF (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, 9th December, 2010



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