



Certificate No. 1020-CPD-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
	do	do	do	do	do	do	do	do	do	do	do	do	do	do	do
	60	60	60	60	75	75	75	75	75	75	75	75	75	75	75
Grade of material	1.4404, 1.4301, 1.4521, 1.4828														
Thickness of flue liner [mm]	0,4 do 1,0														
Area of flue liner intersection [cm ²]	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, of oil, of 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. 100 mm														
Thermal resistance	0,4 m ² KW														
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:

	EN 1856-1	T450	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, 9th December, 2010



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Deputy manager of the Notified Body