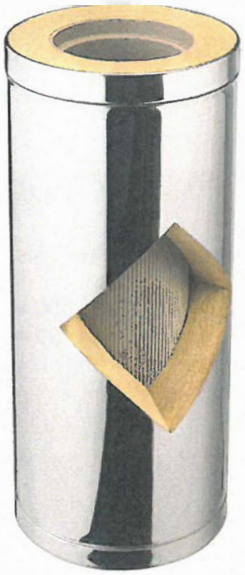
Information Data Sheet

Kierulff
VVS-KVALITET FRA LANGELAND

KERASTAR

Ver. 1.0
Date: 2015-05-27

Application:	Double wall insulated system chimney with isostatic ceramic liner for all boilers, stoves and fireplaces in residential or non-residential application
Installation:	Outside, inside
Fuels:	Gas, oil, solid fuel
Operating temperature:	≤ 400 °C
Sootfire resistance:	Yes
Mode of operation:	Negative pressure (N1 ≤ 40 Pa)
	- Dry (gas, oil, solid fuel) - Wet (gas, oil) – no condensing boilers!
Inner liner material:	Isostatic ceramic
Outer case material:	1.4301 (304)
Outer case finish:	shiny
Insulation type:	mineral wool
Insulation density:	120 kg/m^3
Thermal resistance:	0,92 m^{2}K/W calculated at 200 °C with ∅200 mm
Mean roughness:	1,5 mm according to 13384-1
Height above last structural support:	≤ 2,5 m (∅140 - ∅400 mm) - with static locking bands
Distance between lateral supports:	3,0 m (∅140 - ∅400 mm)



Diameter Range:

Inner diameter (mm):	140	160	180	200	250	300	400
Outer dimension (mm):	276	298	318	342	395	451	551
Inner liner thickness (mm):	6,5	7	7	8,5	10	11	12
Insulation thickness:	60 mm						
Outer wall thickness:	0,4 mm					0,6 mm	
Weight (kg/m)	20	22	24	28	30	41	55

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KERASTAR - sootfire resistant system chimney:	
CE Certificate number EN 13063-1:	**CE Designation EN 13063-1:**
1085 – CPR – 0255 Production plant: Teplice (CZ)	T400 – N1 – D3 – G XX*

* distance to combustible materials depend on diameter and type of installation

KERASTAR - system chimney operating in wet conditions:	
CE Certificate number EN 13063-2:	**CE Designation EN 13063-2:**
1085 – CPR – 0256 Production plant: Teplice (CZ)	T200 - N1 – W2 – O XX*

* distance to combustible materials depend on diameter and type of installation

Fig. 1: Installation outside, fully ventilated

Distance to combustibles at:

T400: ∅ 140 – ∅ 300 = **G50**
∅ 400 = **G75**

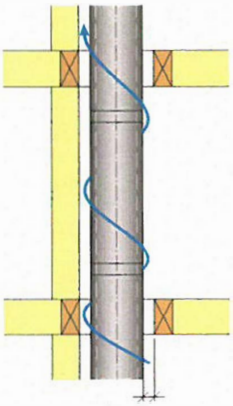

Fig. 1

Fig. 2: Installation thorugh insulated closed floor

Distance to combustibles at:

T200: ∅ 140 – ∅ 300 = **O30** for h ≤ 200 mm

T400: ∅ 140 – ∅ 300 = **G50** for h ≤ 200 mm
T400: ∅ 140 – ∅ 300 = **G100** for 200 < h ≤ 400 mm
T400: ∅ 140 – ∅ 300 = **G120** for 400 < h ≤ 600 mm

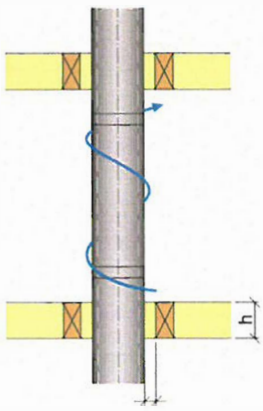

Fig. 2