



INSULATED STAINLESS STEEL HEAT RESISTANT
CHIMNEY LINERS SYSTEM

KPKKKZDSLIMKSNA
KZD KASWRDKNSWR
KZSKPDKDSNKA
DSLIMKZDKBOKPKZD
KPDSWRDKZSKDKZD
KZDKTKDSLIMKDSWR
KKDKPMKPKZDKAKKD
SWRDKAKPMSLIMKPD
NKADKPMKKDKPKTKS
SLIMKKKZDKBZDKKD
KTAKPMKKDSWRKTDN
KKSWRDKZDKPKBKZS



Characteristics of KZD system

KZD system- insulated pipes and fittings of exhaust system for open chamber heating appliance for solid fuels. KZD system is produced from stainless steel of proper chemical composition that guarantees its heat-resistance. Combustion of solid fuels is characterized by high temperatures that cause heating of chimney duct walls. Steel composition as well as its technological parameters have to guarantee the proper work of chimney and protect it from the damaging heat. Insulation made of stone wool with standard thickness of 50 mm (0.75 mm available upon individual request) is also heat resistant (possibility of continuous work in temperature of 700 °C). KZD system is produced of following wall thickness- 0,8 mm and 1mm.

The main features of the KZD system



The best quality



Insulated 50 mm



Possibility of installation outside the building



Easy installation

When KZD system is to be used and what are its advantages

KZD system is insulated chimney liners system. Regular thickness, that can be found averages 50 mm. Upon individual request we are able to manufacture product of 75 mm thickness. The very first argument, that suggest choice of KZD system is open chamber heating appliance for solid fuels. They are characterized by uptake of surrounding air which is necessary for combustion process. Exhaust gases are carried away by chimney duct. The necessity of chimney that is built outside the house constitutes another relevant aspect. As we already know, chimneys that are built outside must have an insulation, which protects its walls from over-cooling. External chimney is especially exposed to every temperature changes. As a result of chimney walls overcooling, it comes to fuel cooling and chimney draught disturbance. An insulation is to protect from such an effect.

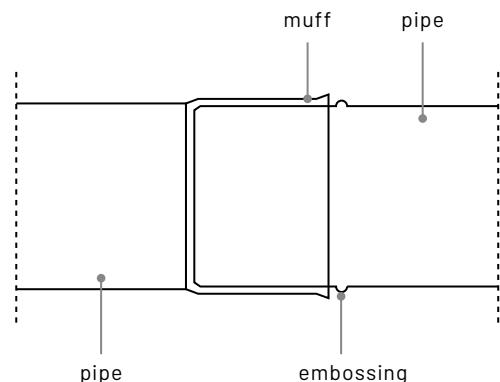
The basic advantage for KZD system users is its safety, that is provided by tight pin-muff coupling. Currently it is considered as the most important argument among our customers. Possibility of chimney building without having a chimney shaft is another advantage. Application of insulation (mineral wool) with appropriate technological parameters, U value under 0,038 W/m*K and temperature durability: 700°C ensures appropriate thermal insulation. Construction of chimney shaft generates additional costs and very often unnecessary modifications in building structure. KZD system allows to avoid unnecessary work as it does not require chimney shaft. It is an independent construction, properly supported and fixed to a building's wall with clamps.

Technical data

Destination	Open chamber heating appliances
Fuel type	Ecological solid fuels
Available diameters	Dn 110-Dn 500, larger diameters upon individual request
Core steel thickness	0,8 - 1,0 mm
Thickness of jacket steel	0,5 mm
Type of jacket steel	1.4301 or other according to PN-EN 1856-1
Type of connection	Socket
Temperature class	T 450
Pressure class	N1(pressure of 40Pa)
Operation mode	Negative pressure
Soot fire resistant	G 1000
Corrosion resistance	Vm
Insulation	Mineral wool, thickness 50mm, density 100 kg/m ³ , other upon individual request.

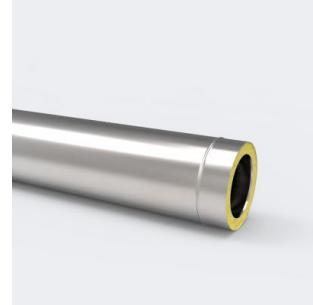
Connection of KZD system components

KZD system components are connected by socket system. Thanks to such connection the structure of the liner is stiff and connections are tight



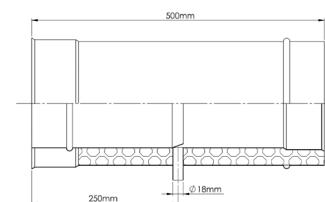
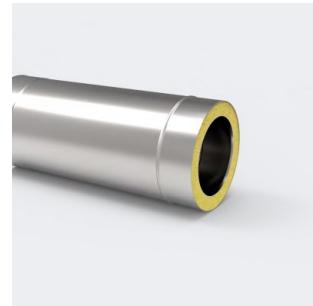
Insulated pipe L=1000 mm

Index KZD-R10



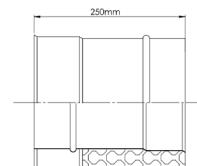
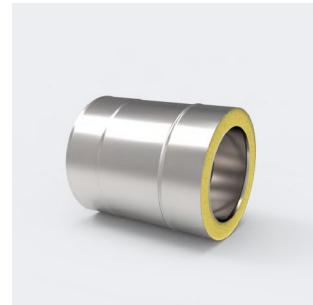
Insulated pipe L=500 mm

Index KZD-R05



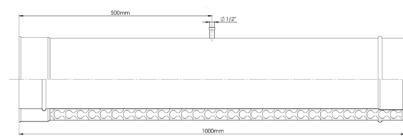
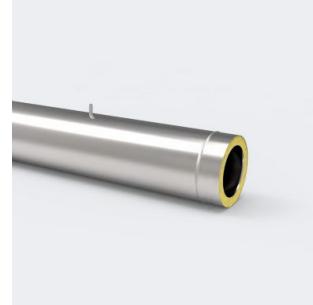
Insulated pipe L=250 mm

Index KZD-R02



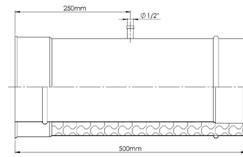
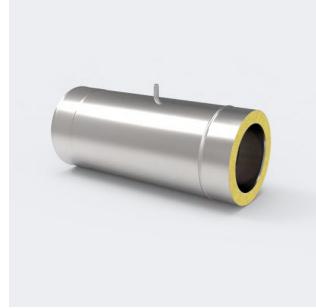
Insulated pipe with connection 1/2"
L=1000 mm

Index KZD-RKC10



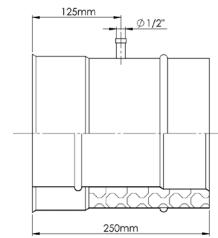
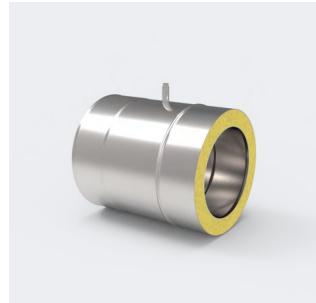
Insulated pipe with connection 1/2"
L=500 mm

Index KZD-RKC05



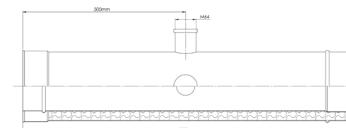
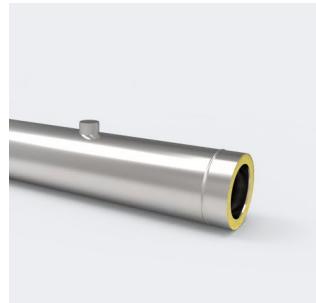
Insulated pipe with connection 1/2"
L=250 mm

Index KZD-RKC02



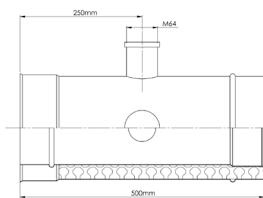
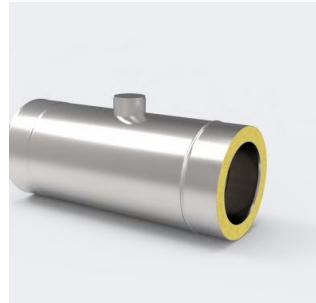
Insulated pipe with connection M64x4 L=1000 mm

Index KZD-RKM10



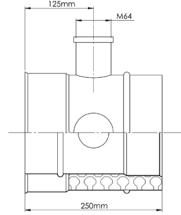
Insulated pipe with connection M64x4 L=500 mm

Index KZD-RKM05



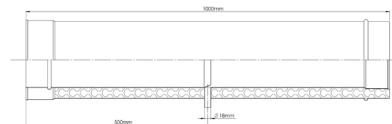
**Insulated pipe with connection
M64x4 L=250 mm**

Index KZD-RKM02



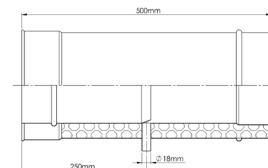
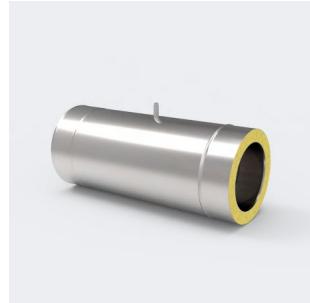
Insulated pipe with condenser
 $L=1000$ mm

Index KZD-R10-0



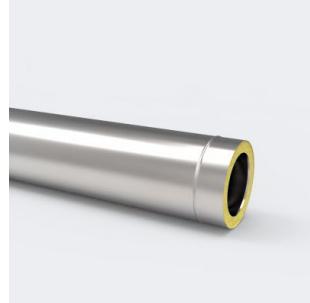
Insulated pipe with condenser
L=500 mm

Index KZD-R05-0



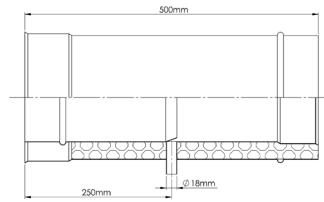
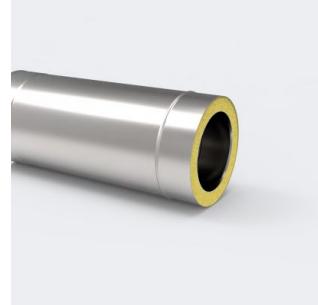
Insulated pipe with tight socket
L=1000 mm

Index KZD-R010



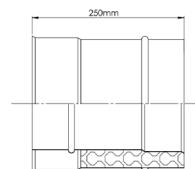
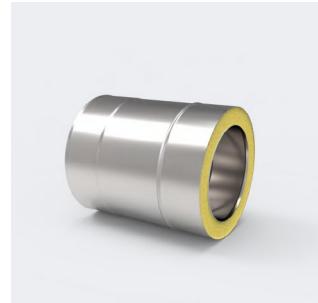
**Insulated pipe with tight socket
L=500 mm**

Index KZD-R005



Insulated pipe with tight socket
L=250 mm

Index KZD-R002



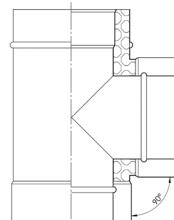
Telescopic pipe

Index



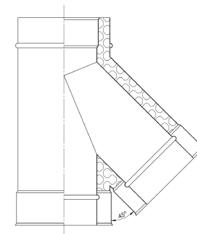
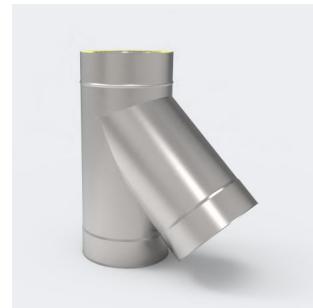
Insulated tee-pipe 90°

Index KZD-TR90



Insulated tee-pipe 45°

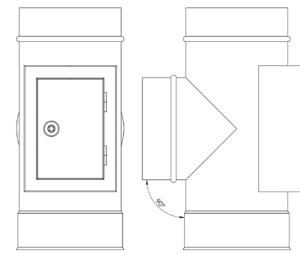
Index KD-TR45



Diameters [mm]	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Available steel thickness [mm]	0,8 1,0														

Insulated tee with opposite cleanout and inspection door

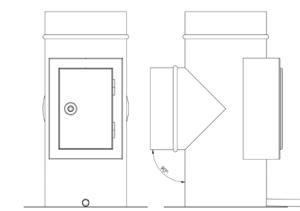
Index KZDD- TR90



Diameters [mm]	110	120	130	140	150	160	180	200	225	250	300
Available steel thickness [mm]	0,8 1,0										

Insulated tee with opposite cleanout, condenser, plate and inspection door

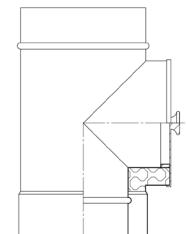
Index KZDD- TR90 - WO



Diameters [mm]	110	120	130	140	150	160	180	200	225	250	300
Available steel thickness [mm]	0,8 1,0										

Insulated cleanout tee with cover

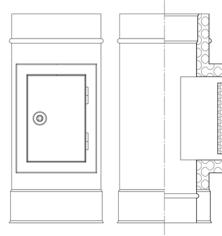
Index KZD- WTD



Diameters [mm]	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Available steel thickness [mm]	0,8 1,0	0,5 0,8	0,5 0,8	0,5 0,8	0,5 0,8										

Insulated cleanout with inspection door

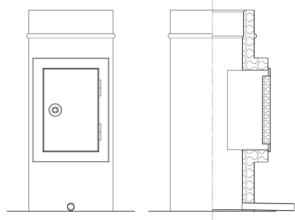
Index KZD- W-DWL



Diameters [mm]	110	120	130	140	150	160	180	200	225	250	300	350	400	450	500
Available steel thickness [mm]	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,8	0,5	0,5	0,5	0,5
	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	1,0	0,8	0,8	0,8	0,8

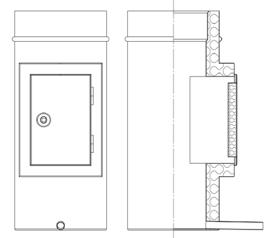
**Insulated cleanout with condenser,
plate and inspection door**

Index KZD- WOP-DWL



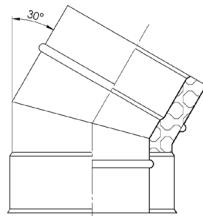
Insulated cleanout with condenser and inspection door

Index KZD- WO-DWL



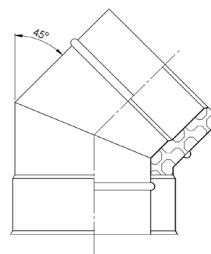
Insulated elbow 30°

Index KZD - K30



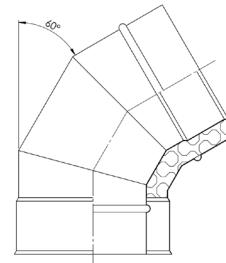
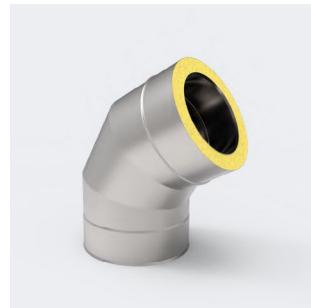
Insulated elbow 45°

Index KZD-K45



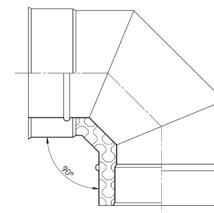
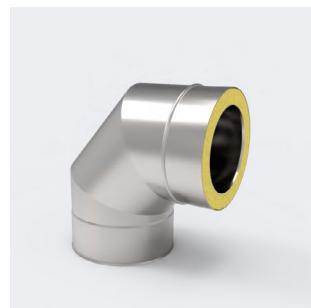
Insulated elbow 60°

Index KZD-K60



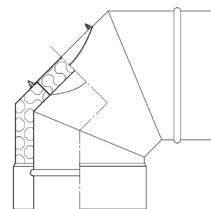
Insulated elbow 90°

Index KZD-K90



Elbow 90° with cleanout

Index KZD-KW90



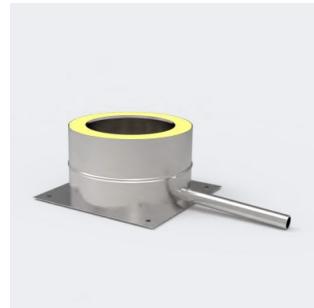
Insulated condensate collector

Index



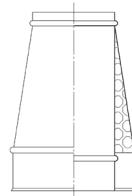
Insulated condensate collector with plate

[Index](#) KZD-OP



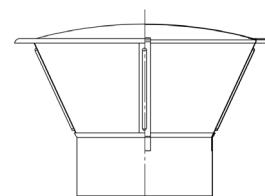
Insulated coning

Index K7D-II



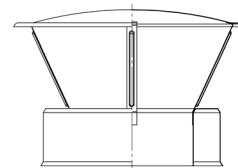
Cap 1

Index KZD-D(W1)



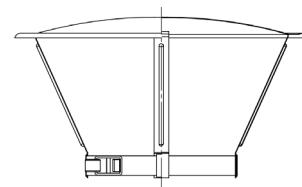
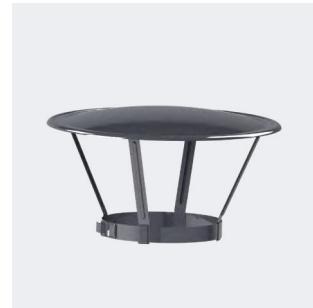
Cap 2

Index KZD - D(W2)



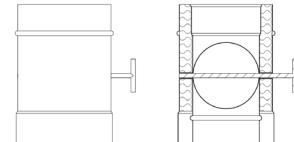
Cap 3

Index KZD - D(W3)



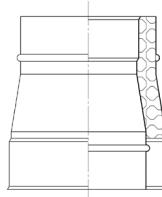
Insulated damper

Index KZD_S



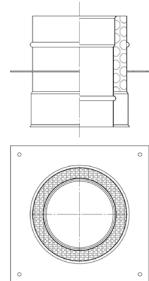
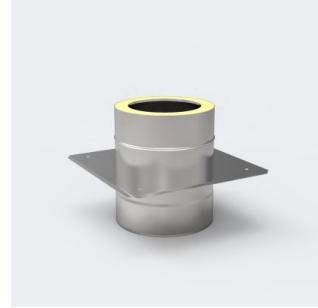
Conical reduction

Index KZD - RS



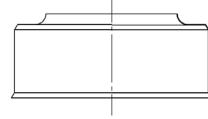
Relieving support

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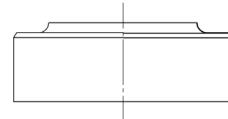
Top completion of insulation

Index KZD - ZIG



Bottom completion of insulation

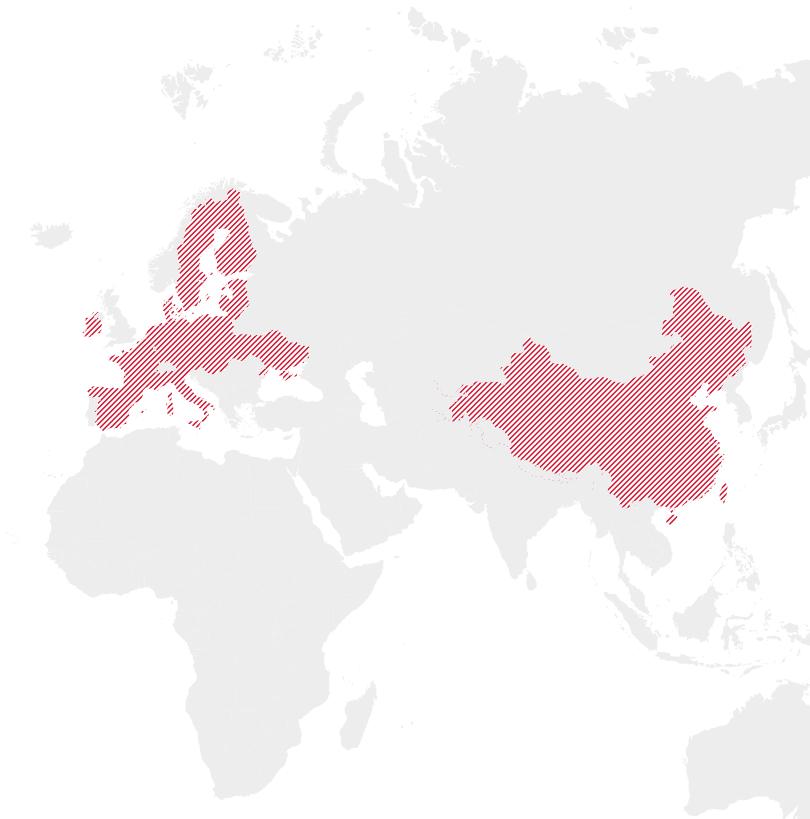
[Index](#) [KZD - ZID](#)



We are open to the whole world!

The great capacity of our production facilities and the experience we have gained over many years allows us to develop our company through international cooperation. As a result, we are looking beyond the borders of Poland.

To this date, the steel components we produce have been supplied to European countries such as Austria, Germany, France, Italy, Sweden, Finland, Denmark, the Netherlands, the Czech Republic, Slovakia, and Lithuania, among others.



Count on an experienced company! Get in touch with us!

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We Are Made of Steel



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and main production facility