



COAXIAL AIR-COMBUSTION AND INSULATED CHIMNEY DUCT

KS KKKZ S SLIM K P M K P D
K Z D K K S W R D K D K N S W R
SLIM **K P** K D K A K B K O K P M
D K P K D K T N K A D **K P D** K Z
K P D S W R K N K A K K D K Z D
K Z D K T K D S L I M K D S W R
K K D K P M K P K Z D K A K K D
S W R D K A K P M S L I M K P D
N K A D K P M K K D K P K T K S
S L I M K K K Z D K B K Z D K K D
K T K P M K K D S W R K T D K N
K K S W R D K Z D K P K B K Z S

KP / KPD

/ ACCD

Characteristics of KP / KPD system



This system, known also as Aerial-Combustion Coaxial Duct (ACCD), can be described as highly efficient and suitable to use in extreme conditions - removing wet fumes from gas or oil burning appliances. Coaxial pipes are characteristic for that system as well as its "pipe in pipe" construction. With the aim of external duct fumes are taken out of heating appliance. External chimney duct is made of stainless steel. External duct is made of acid resistant stainless steel. Additional external duct was equipped with gaskets that provide tightness of connections as well as safety to the system users.

System KPD have insulation, made of mineral wool from rock fibers -30 mm. It prevents excessive cooling of the chimney walls.

The main features of the KP system



The best quality



Pipe in pipe construction



Design and manufacturing accuracy



Easy installation

When KP / KPD system is to be used and what are its advantages

Condensate boiler is the very first and most relevant aspect that decides whether to choose that system. Condensate boilers besides taking advantage of heat produced during combustion process, recover the heat from condensate present in chimney ducts. This additional "bonus of energy" is recognized as an additional surplus.

The specification of such a boiler requires application of chimney system of special material parameters as well as proper structure. First of all the system must be made of stainless steel, because during the combustion process of gas or fuel oil, some acidic oxides come into existence and react with water to form an acid.

Tightness of connections constitutes another relevant aspect. The tightness of the system is important because of following two reasons. As in every chimney system it is important that poisonous post-combustions do not get out of chimney ducts in places where it is considered as forbidden. Connection of elements should constitute a permanent barrier for condensates flowing off the walls of chimney shaft.

External chimney is especially exposed to every temperature change. As a result of chimney walls over-chilling, it comes to fuel cooling and chimney draught disturbance. An insulation in KPD system is to protect from such an effect.

KP

Technical data



Destination	Closed chamber heating appliances
Fuel type	Gas/ fuel oil
Available diameters	Dn 60/100 - Dn 100/150, larger diameters upon individual request
Steel thickness	0,5 mm
Thickness of jacket steel	0,5 mm
Type of jacket steel	1.4301, 1.4404, 1.4301 or other according to PN-EN 1856-1
Type of connection	Socket with gasket
Temperature class	T 200
Pressure class	P2 (pressure of 200Pa)
Operation mode	Positive pressure
Condensate resistance	W
Corrosion resistance	Vm

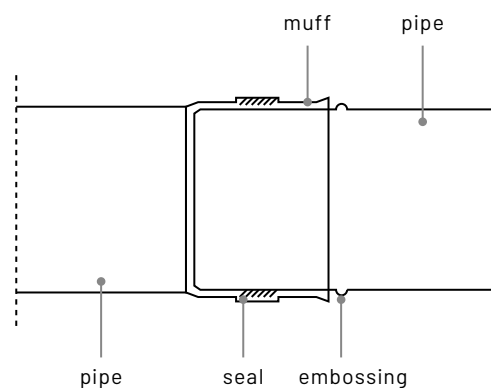
KPD

Technical data

Destination	Closed chamber heating appliances
Fuel type	Gas/ fuel oil
Available diameters	Dn 60/100 - Dn 100/150, larger diameters upon individual request
Core steel thickness	0,5 mm
Thickness of jacket steel	0,5 mm
Insulation	Mineral wool, thickness 30mm, density 100 kg/m ³ , other upon individual request.
Type of steel	1.4301, 1.4404, 1.4301 or other according to PN-EN 1856-1
Type of connection	Socket with gasket
Temperature class	T 200
Pressure class	P2 (pressure of 200Pa)
Operation mode	Positive pressure
Condensate resistance	W
Corrosion resistance	Vm

Connection of KP system components

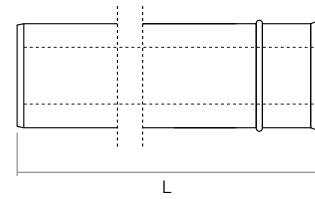
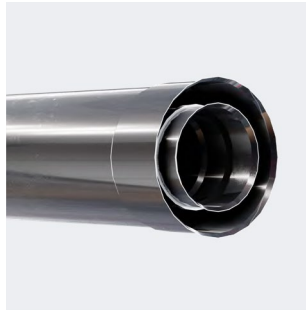
KP system components are connected by socket system. Thanks to such connection the structure of the liner is stiff and connections are tight



Pipe

Index	KP-R10	KP-R05	KP-R02
L [mm]	1000	500	250

Index	KPD-R10	KPD-R05	KPD-R02
L [mm]	1000	500	250
Insulation [mm]	30	30	30

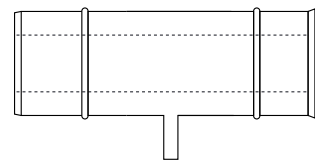


Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Pipe with condenser

Index	KP-R02-0
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Index	KPD-R02-0
Insulation [mm]	30

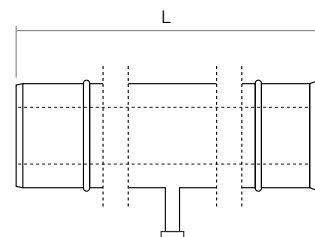


Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Pipe with connection 1/2"

Index	KP-R10	KP-R05	KP-R02
L [mm]	1000	500	250

Index	KPD-RKC10	KPD-RKC05	KPD-RKC02
L [mm]	1000	500	250
Insulation [mm]	30	30	30

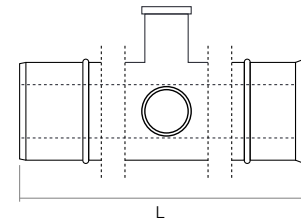


Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Pipe with connection M64x4

Index	KP-RKC10	KP-RKC05	KP-RKC02
L [mm]	1000	500	250

Index	KPD-RKM10	KPD-RKM05	KPD-RKM02
L [mm]	1000	500	250
Insulation [mm]	30	30	30

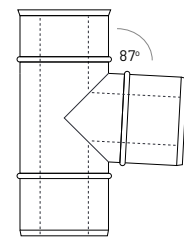


Diameters [mm]	80/125	100/150
Available steel thickness [mm]	0,5	0,5

Tee-pipe 87°

Index	KP-TR87
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Index	KPD-TR87
Insulation [mm]	30

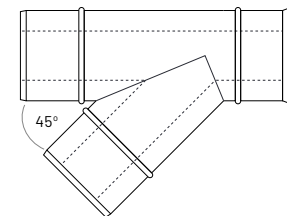


Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Tee-pipe 45°

Index	KP-TR45
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Index	KPD-TR45
Insulation [mm]	30

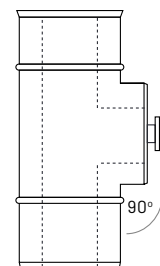


Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Cleanout tee with cover

Index	KP-WTD
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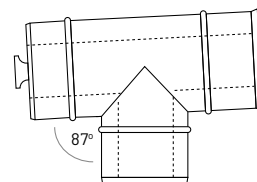
Index	KPD-WTD
Insulation [mm]	30



Diameters [mm]	60/100	80/125	100/150
Available steel thickness [mm]	0,5	0,5	0,5

Horizontal cleanout tee with cover 87°

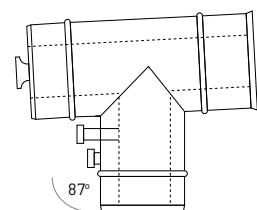
Index	KP-WTDP87
Index	KPD-WTDP87
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Horizontal cleanout tee with cover and connection 87°

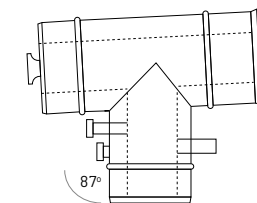
Index	KP-WTDPKC87
Index	KPD-WTDP87-0
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Horizontal cleanout tee with cover, condenser and connection 87°

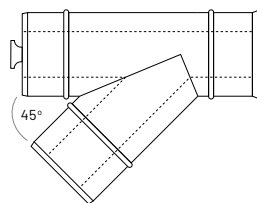
Index	KP-WTDPKC87-0
Index	KPD-WTDPKC87-0
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Horizontal cleanout tee with cover 45°

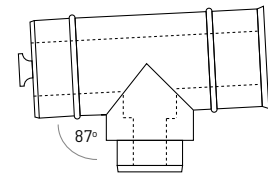
Index	KP-WTDP45
Index	KPD-WTDP45
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Horizontal cleanout reduction-tee with cover 87°

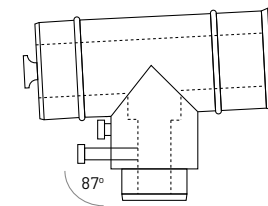
Index KP-WTDPR87



Diameters	[mm] 60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm] 0,5	0,5

Horizontal cleanout reduction-tee with cover and connection 87°

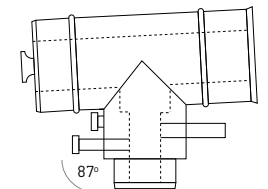
Index KP-WTDPRKC87



Diameters	[mm] 60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm] 0,5	0,5

Horizontal cleanout reduction-tee with cover, condenser and connection 87°

Index KP-WTDPRKC87-0



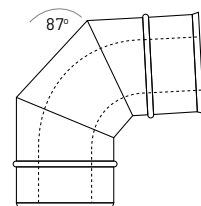
Diameters	[mm] 60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm] 0,5	0,5

Elbow 87°

Index KP-K87

Index KPD-K87

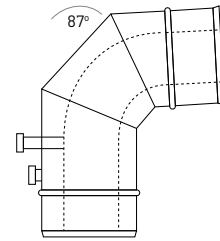
Insulation [mm] 30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 87° with connection

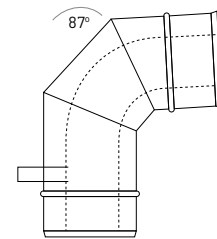
Index	KP-KKC87
Index	KPD-KKC87
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 87° with condenser

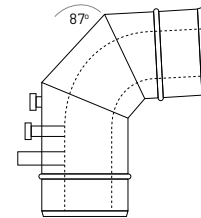
Index	KP-K87-0
Index	KPD-K87-0
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 87° with connection and condenser

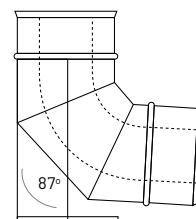
Index	KP-KKC87-0
Index	KPD-KKC87-0
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 87° with footer

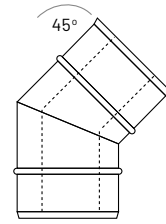
Index	KP-KS87
Index	KPD-KS87
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 45°

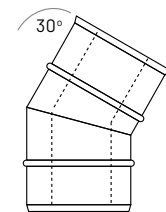
Index	KP-K45
Index	KPD-K45
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Elbow 30°

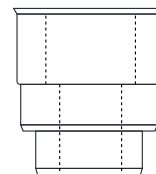
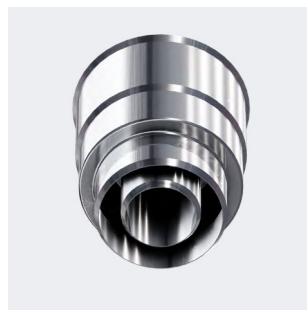
Index	KP-K30
Index	KPD-K30
Insulation [mm]	30



Diameters	[mm] 60/100	80/125	100/150
Available steel thickness	[mm] 0,5	0,5	0,5

Reduction

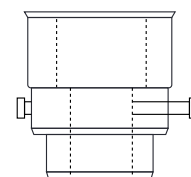
Index	KP-R
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Diameters	[mm] 60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm] 0,5	0,5

Reduction with connection

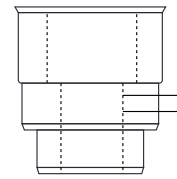
Index	KP-RKC
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Diameters	[mm] 60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm] 0,5	0,5

Reduction with condenser

Index KP-R0



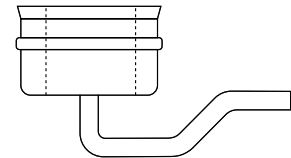
Diameters	[mm]	60/100 - 80/125	80/125 - 100/150
Available steel thickness	[mm]	0,5	0,5

Condensate collector with siphon

Index KP-0

Index KPD-0

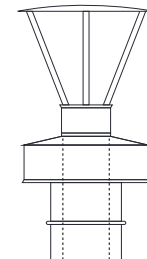
Insulation [mm] 30



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Vertical flue gas out with pipe and cap

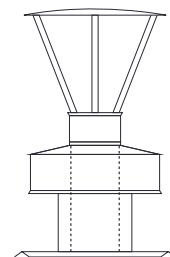
Index KP-ZP



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Vertical flue gas out with pass-through and cap (1)

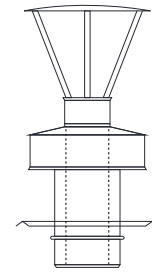
Index KP-PZ(W1)



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Vertical flue gas out with pass-through and cap (2)

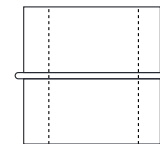
Index	KP-PZ(W2)		
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Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Adapter for vertical flue gas out combined with pass-through

Index	KP-ZPZ		
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Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Rain cover

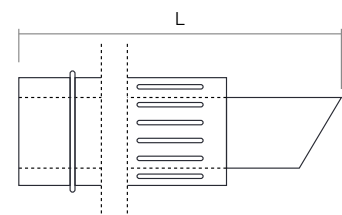
Index	KP-OPD		
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Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Horizontal flue gas out

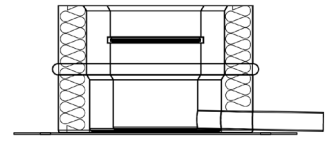
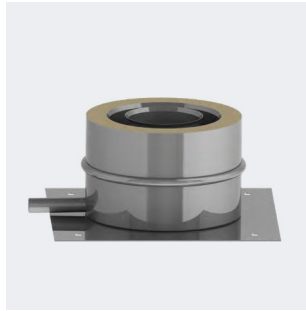
Index	KP-ZB10	KP-ZB05	KP-ZB02	
L	[mm]	1000	500	250



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Condensate collector with plate

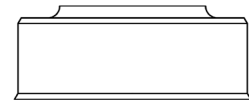
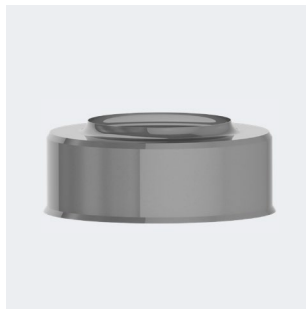
Index KPD-OP



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Top completion of insulation

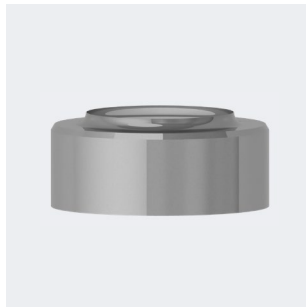
Index KPD-ZIG



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Bottom completion of insulation

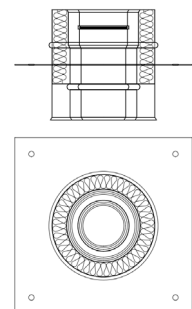
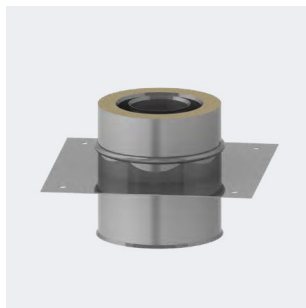
Index KPD-ZID



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

Supporting construction

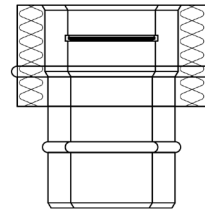
Index KPD-KO
 Insulation [mm] 30



Diameters	[mm]	60/100	80/125	100/150
Available steel thickness	[mm]	0,5	0,5	0,5

KP KKD adapter

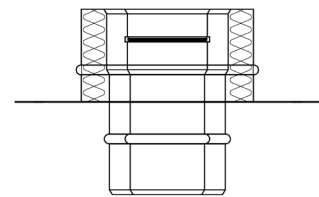
Index KPD-Z



Diameters	[mm]	KP 60/100 - KKD 60/120	KP 80/125 - KKD 80/140	KP 100/150 - KKD 100/160
Available steel thickness	[mm]	0,5	0,5	0,5

KP KKD adapter with plate

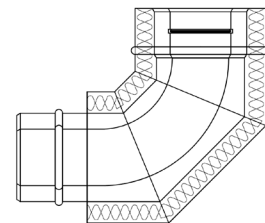
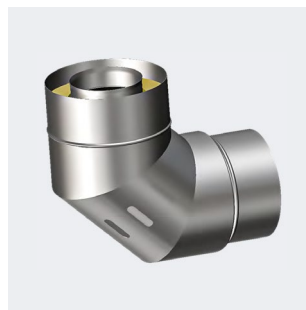
Index KPD-Z-P



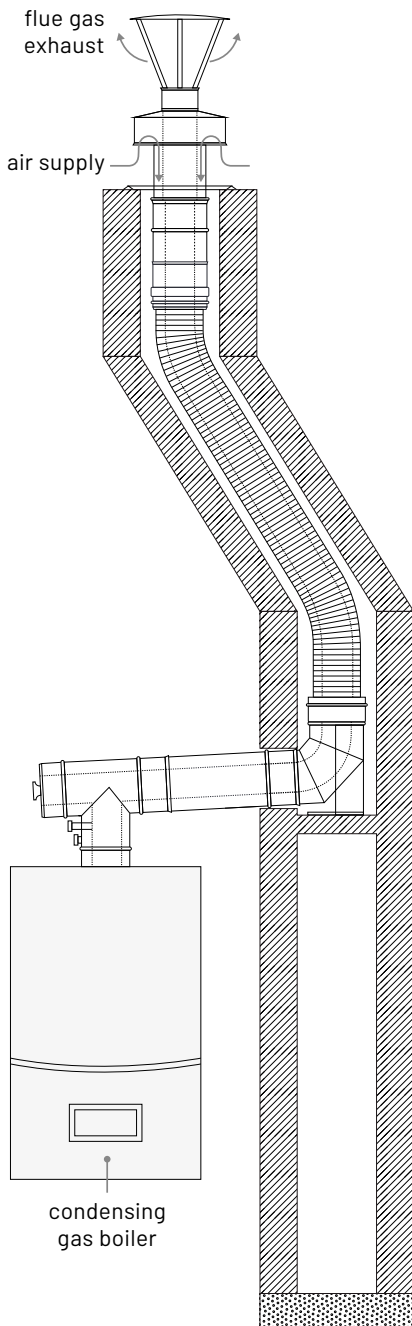
Diameters	[mm]	KP 60/100 - KKD 60/120	KP 80/125 - KKD 80/140	KP 100/150 - KKD 100/160
Available steel thickness	[mm]	0,5	0,5	0,5

KP KKD adapter - elbow

Index KPD-ZK90



Diameters	[mm]	KP 60/100 - KKD 60/120	KP 80/125 - KKD 80/140	KP 100/150 - KKD 100/160
Available steel thickness	[mm]	0,5	0,5	0,5



MAXIDUALFLEX®

System of flexible liners with kit of top, bottom and middle adapters.

MAXIDUALFLEX® is flexible chimney system for closed chamber heating appliances and condensing boilers. In accordance to basic construction **MAXIDUALFLEX®** consists of external duct-space between the duct's walls, which sucks in the air also from the internal duct, that carries away flue gases. Using gaskets within the internal duct has to protect in 100% the tightness of a connection. Now the chimney shaft with irregulars within cross-section or eventual necessity of changes in chimney duct direction is not problem anymore for condensing boiler users.

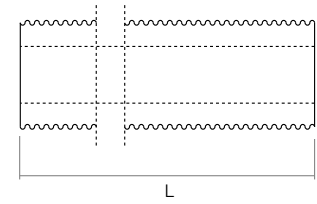
It is easy to install and gives possibility of matching the length- up to dozen and so meters- of every duct- without the necessity of connecting smaller elements.

MAXIDUALFLEX® is perfect for chimney system with extreme conditions - removing wet fumes from gas or oil burning appliances.



MAXIDUALFLEX® flexible pipe

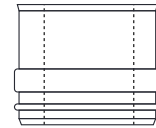
Index	KP-RMDX
L	any length (linear meter)



Diameters	[mm] 80/125	100/150
Available steel thickness	[mm] 0,5	0,5

MAXIDUALFLEX® top adapter

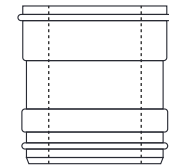
Index	KP-ZGMDX
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Diameters	[mm] 80/125	100/150
Available steel thickness	[mm] 0,5	0,5

MAXIDUALFLEX® middle adapter

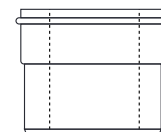
Index	KP-ZPMDX
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Diameters	[mm] 80/125	100/150
Available steel thickness	[mm] 0,5	0,5

MAXIDUALFLEX® bottom adapter

Index	KP-ZDMDX
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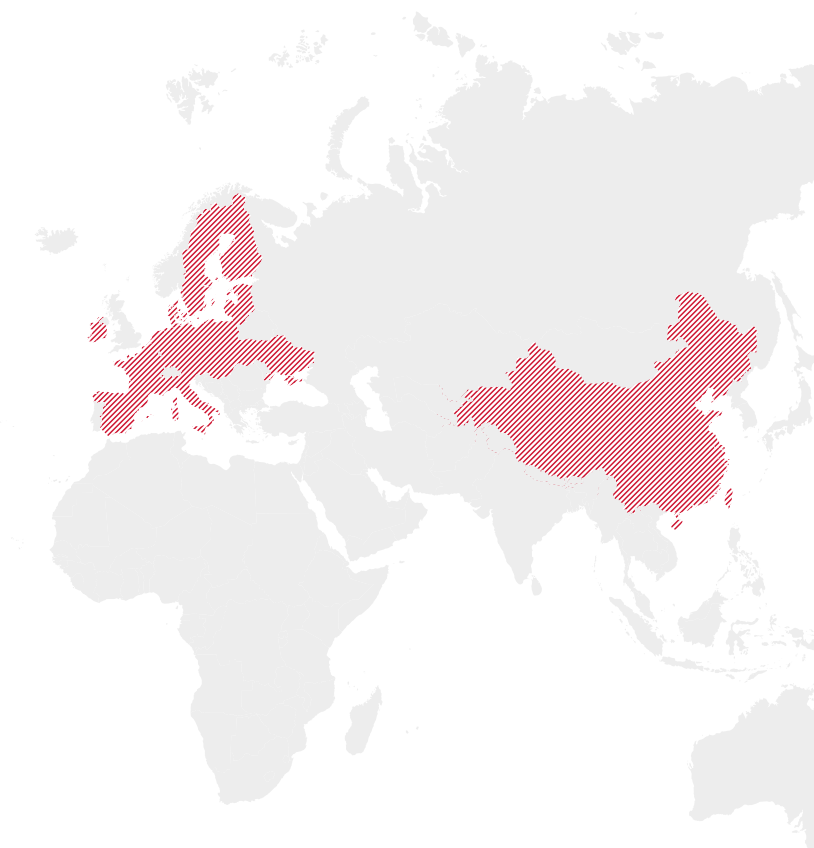


Diameters	[mm] 80/125	100/150
Available steel thickness	[mm] 0,5	0,5

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



**Kominus Polska Headquarters
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