

Thermoduct damp-proof insulated ventilation pipe

Features

- Thermal and noise reducing solution
- Equipped with rubber and damp-proof sealing strips
- Cost saving due to short installation time
- Pre-assembled and available up to Ø450 mm



Product description

Thermoduct is the prefabricated solution for the installation of insulated, low-noise and energy-efficient ventilation. The ventilation pipes and fittings equipped with thermal insulation material are ideally suited for the supply and exhaust air connections of e.g. heat recovery units and air source heat pumps.

Reduction of heat loss

Thermoduct is an air duct system with a high-quality thermal insulation jacket. The jacket reduces heat loss and the closed cell structure prevents the transfer of water vapour.

Thermoduct regulates the temperature differences between the indoor and outdoor air so that condensation cannot occur.

Thermal conductivity

The lambda value of Thermoduct insulation is:

- 0,039 W/mK bij 0°C
- 0,045 W/mK bij 40°C
- 0,051 W/mK bij 90°C

Easy installation

Thermoduct stands for airtight installation. The product is pre-insulated, so there is no manual insulation waste on site.

Air tightness class Class C - according to EN 13501-1

Insulation material

Closed cell structure

Type of insulation material

PE foam according to EN 14313

Fire class

Class E

Material thickness

9 mm

Sound

Noise reduction of <28dB

Thermal conductivity

Conduction: 0°C 40°C 90°C

W/mK: 0,039 0,045 0,051

Metal

Galvanised according to the Sendzimir process

Diameter

Ø 125 t/m Ø 450

No taping is required thanks to the secure connection with rubber sealing and the practical damp-proof sealing straps. The material is also galvanically treated and therefore easy to clean.

Noise suppression

In addition to its ease of installation, it is the solution for installations that meet the strict noise requirements (max. 30dB (A)). The properties of the metal with the acoustic properties of the insulating jacket ensure a low-noise ventilation system.

Thermoduct insulated ventilation (discount group 021)

Standard duct length 1000 mm. Other lengths are available on request. 1 sealing band is supplied per duct. The inner duct is sendzimir galvanised.



Article No.	Product
10101125	Thermoduct pipe Ø 125 mm length 1000 mm insulated
10101160	Thermoduct pipe Ø 160 mm length 1000 mm insulated
10101180	Thermoduct pipe Ø 180 mm length 1000 mm insulated
10101200	Thermoduct pipe Ø 200 mm length 1000 mm insulated
10101250	Thermoduct pipe Ø 250 mm length 1000 mm insulated
10101315	Thermoduct pipe Ø 315 mm length 1000 mm insulated

Thermoduct insulated ventilation (discount group 021)

Standard duct length 2000 mm. Other lengths are available on request. 1 sealing band is supplied per duct. The inner duct is sendzimir galvanised.



Article No.	Product
10100125	Thermoduct pipe Ø 125 mm length 2000 mm insulated
10100100	Thermoduct pipe Ø 160 mm length 2000 mm insulated
10100200	Thermoduct pipe Ø 180 mm length 2000 mm insulated
10100300	Thermoduct pipe Ø 200 mm length 2000 mm insulated
10100250	Thermoduct pipe Ø 250 mm length 2000 mm insulated
10100315	Thermoduct pipe Ø 315 mm length 2000 mm insulated
10100355	Thermoduct pipe Ø 355 mm length 2000 mm insulated
10100400	Thermoduct pipe Ø 400 mm length 2000 mm insulated
10100450	Thermoduct pipe Ø 450 mm length 2000 mm insulated

Thermoduct insulated bend 90 degrees (kortingsgroep 021)

Sendzimir galvanised bends including rubber seal and sealing straps.



Article No.	Product	D	D2	H	L1	L2
10112590	Thermoduct bend Ø 125 mm 90 degrees (pressed)	123	145	218	30	30
10100103	Thermoduct bend Ø 160 mm 90 degrees (pressed)	158	180	270	30	30
10100203	Thermoduct bend Ø 180 mm 90 degrees (pressed)	178	200	300	30	30
10100303	Thermoduct bend Ø 200 mm 90 degrees (pressed)	198	220	330	30	30
10125090	Thermoduct bend Ø 250 mm 90 degrees (segment)	248	270	415	40	40
10131590	Thermoduct bend Ø 315 mm 90 degrees (segment)	313	335	513	40	40
10135590	Thermoduct bend Ø 355 mm 90 degrees (segment)	353	375	598	65	65
10140090	Thermoduct bend Ø 400 mm 90 degrees (segment)	398	420	665	65	65
10145090	Thermoduct bend Ø 450 mm 90 degrees (segment)	448	470	740	65	65

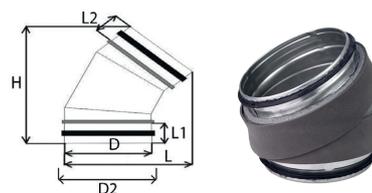
Thermoduct insulated bend 45 degrees (kortingsgroep 021)

Senzimir galvanised bends including rubber seal and sealing straps.



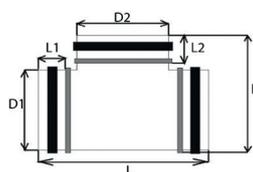
Article No.	Product	D	D2	L	H	L1	L2
10112545	Thermoduct bend Ø 125 mm 45 degrees (pressed)	123	145	190	184	30	30
10100102	Thermoduct bend Ø 160 mm 45 degrees (pressed)	158	180	238	221	30	30
10100202	Thermoduct bend Ø 180 mm 45 degrees (pressed)	178	200	265	242	30	30
10100302	Thermoduct bend Ø 200 mm 45 degrees (pressed)	198	220	292	263	30	30
10125045	Thermoduct bend Ø 250 mm 45 degrees (segment)	248	270	367	333	40	40
10131545	Thermoduct bend Ø 315 mm 45 degrees (segment)	313	335	455	402	40	40
10135545	Thermoduct bend Ø 355 mm 45 degrees (segment)	353	375	526	487	65	65
10140045	Thermoduct bend Ø 400 mm 45 degrees (segment)	398	420	587	535	65	65
10145045	Thermoduct bend Ø 450 mm 45 degrees (segment)	448	470	655	588	65	65

Thermoduct insulated bend 30 degrees (kortingsgroep 021)



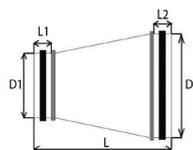
Article No.	Product	D	D2	L	H	L1	L2
10112530	Thermoduct bend Ø 125 mm 30 degrees	123	145	184	139	30	30
10100104	Thermoduct bend Ø 160 mm 30 degrees	158	180	232	165	30	30
10100204	Thermoduct bend Ø 180 mm 30 degrees	178	200	259	180	30	30
10100304	Thermoduct bend Ø 200 mm 30 degrees	198	220	286	195	30	30
10125030	Thermoduct bend Ø 250 mm 30 degrees	248	270	358	248	40	40
10131530	Thermoduct bend Ø 315 mm 30 degrees	313	335	446	296	40	40
10135530	Thermoduct bend Ø 355 mm 30 degrees	353	375	513	364	65	65
10140030	Thermoduct bend Ø 400 mm 30 degrees	398	420	574	398	65	65
10145030	Thermoduct bend Ø 450 mm 30 degrees	448	470	642	435	65	65

Thermoduct t-piece 90 degrees (discount group 021)



Article No.	Product	D1	D2	D3	L	H	L1	L2
10125125	Thermoduct T-piece Ø 125 - 125 mm	123	123	145	275	170	30	30
10160125	Thermoduct T-piece Ø 160 - 125 mm	158	123	180	280	205	30	30
10160160	Thermoduct T-piece Ø 160 - 160 mm	158	158	180	315	205	30	30
10100402	Thermoduct T-piece Ø 180 - 125 mm	178	123	200	305	225	30	30
10100403	Thermoduct T-piece Ø 200 - 125 mm	198	123	220	265	250	30	30
10200160	Thermoduct T-piece Ø 200 - 160 mm	198	158	220	315	255	30	30
10113002	Thermoduct T-piece Ø 200 - 200 mm	198	198	220	325	265	30	30
10113003	Thermoduct T-piece Ø 250 - 250 mm	248	248	270	375	315	40	40
10113004	Thermoduct T-piece Ø 315 - 315 mm	313	313	335	475	400	40	40
10113005	Thermoduct T-piece Ø 355 - 355 mm	353	353	375	525	440	65	65
10113006	Thermoduct T-piece Ø 400 - 400 mm	398	398	420	660	470	65	65
10113007	Thermoduct T-piece Ø 450 - 450 mm	448	448	470	750	545	65	65

Thermoduct reducer (discount group 021)



Article No.	Product	D2/D1	L	L1	L2
10114001	Thermoduct reducer Ø 150 - 125 mm insulated	148/123	100	30	30
10114002	Thermoduct reducer Ø 160 - 125 mm insulated	158/123	100	30	30
10114003	Thermoduct reducer Ø 160 - 150 mm insulated	158/148	250	30	30
10114004	Thermoduct reducer Ø 180 - 125 mm insulated	178/123	100	30	30
10114005	Thermoduct reducer Ø 180 - 150 mm insulated	178/148	210	30	30
10114006	Thermoduct reducer Ø 200 - 125 mm insulated	198/123	125	30	30
10114007	Thermoduct reducer Ø 200 - 160 mm insulated	198/158	100	30	30
10114008	Thermoduct reducer Ø 200 - 180 mm insulated	198/178	200	30	30
10114009	Thermoduct reducer Ø 250 - 200 mm insulated	248/198	210	30	40
10114010	Thermoduct reducer Ø 315 - 250 mm insulated	313/248	250	40	40
10114011	Thermoduct reducer Ø 355 - 315 mm insulated	353/313	155	40	65
10114012	Thermoduct reducer Ø 400 - 355 mm insulated	398/353	155	65	65
10114013	Thermoduct reducer Ø 450 - 400 mm insulated	448/398	185	65	65

Thermoduct insulated roof terminal (discount group 054)

Aluminium insulated roof terminal for ventilation and MVHR.

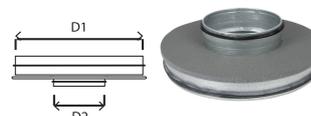
Supplied as standard in RAL 7016



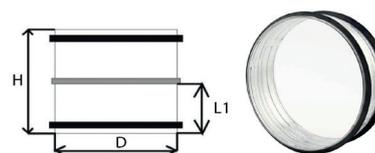
Article No.	Product
10100420	Thermoduct insulated roof duct Ø 160 mm
10100421	Thermoduct insulated roof duct Ø 180 mm
10100422	Thermoduct insulated roof duct Ø 200 mm
11010250	Thermoduct insulated roof duct Ø 250 mm
11010315	Thermoduct insulated roof duct Ø 315 mm
11010355	Thermoduct insulated roof duct Ø 355 mm
11010400	Thermoduct insulated roof duct Ø 400 mm

Thermoduct lid with insulated flat spout (discount group 021)

Pipe lid with flat saddle piece. Very suitable for collective ventilation shafts.



Article No.	Product
10300020	Thermoduct lid Ø 200 mm with flat spout Ø 160 mm insulated
10300025	Thermoduct lid Ø 250 mm with flat spout Ø 160 mm insulated
10300031	Thermoduct lid Ø 315 mm with flat spout Ø 160 mm insulated
10300035	Thermoduct lid Ø 355 mm with flat spout Ø 160 mm insulated
10300040	Thermoduct lid Ø 400 mm with flat spout Ø 160 mm insulated
10300045	Thermoduct lid Ø 450 mm with flat spout Ø 160 mm insulated

Connecting piece for thermoduct pipe (discount group 021)

Article No.	Product
75080003	Spiro-SAFE connection piece for pipe Ø 125 mm
75080006	Spiro-SAFE connection piece for pipe Ø 160 mm
75080007	Spiro-SAFE connection piece for pipe Ø 180 mm
75080008	Spiro-SAFE connection piece for pipe Ø 200 mm
75080009	Spiro-SAFE connection piece for pipe Ø 250 mm
75080010	Spiro-SAFE connection piece for pipe Ø 315 mm
75080011	Spiro-SAFE connection piece for pipe Ø 355 mm
75080012	Spiro-SAFE connection piece for pipe Ø 400 mm
75080013	Spiro-SAFE connection piece for pipe Ø 450 mm