



## Price information for product catalogue

– valid from 1 May 2023 –

**Update 01-2024**

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## Notes

### Express delivery

Orders received by 11 a.m. are usually shipped on the same day. We charge a shipping and packaging fee of €9.80 per parcel for the dispatch of parcel service goods. Express despatch is possible on request. This excludes insulation products, manifold cabinets, chemical and bulky items. Carriage-paid delivery by lorry/forwarding agent according to delivery mode and/or consultation.

### Validity

This documentation is valid upon issue dated 1 May 2023 until reprinted. EMPUR® Produktions GmbH reserves the right to make changes according to technical advances and/or due to market requirements and to deliver without separate announcement. All prices are gross prices, excluding those marked "net". All prices exclude statutory VAT.

### Legend (abbreviations)

Term	price list	Datanorm (technique)
<b>Bag</b>	Bag	BTL
<b>Carton</b>	Car	CT
<b>Package</b>	Pack	
<b>Panel</b>	pnl	
<b>Roll</b>	Ro	RO
<b>Piece</b>	unit	PCE
<b>Drum</b>	Dr	
<b>Composite panel</b>	CP	
<b>Packing unit</b>	PU	
<b>Metre</b>	m	MTR
<b>Square metre</b>	m <sup>2</sup>	MTK
<b>Kilogram</b>	kg	KGM
<b>Hour</b>	hr	

### Price groups (PG)

- 01 - Standard
- 02 - Tools
- 03 - CUT-THERM®
- 04 - Geniax components and products
- 05 - Geniax services
- 06 - Heatfixx
- 07 - Flat transfer units
- 08 - eMobility (Prices on request)

The technical information in this price list represents the state of our knowledge and experience on going to press. Unless expressly agreed, however, they represent no assurance in the legal sense. The level of experience is constantly developing further. The latest edition of these price list brochures should always be used. The product applications described may not take into account special conditions in an individual case. Here suitability for the specific application purpose must be checked. Our products are delivered exclusively on the basis of our general conditions of sale and delivery. We reserve the right to make technical changes, price changes, errors and misprints.



# Prices Heating pipes

KLIMAPEX® plastic heating pipes					
Item No.	Page	Product description	PU	Price €/m	PG
191532	6	KLIMAPEX® PE-Xa 15x1.8 as 5-layer pipe, 6bar	Ro 200 m	2.41	01
191546	6	KLIMAPEX® PE-Xa 15x1.8 as 5-layer pipe, 6bar	Ro 600 m	2.41	01
191732	6	KLIMAPEX® PE-Xa 17x2.0 as 5-layer pipe, 6bar	Ro 200 m	2.55	01
191745	6	KLIMAPEX® PE-Xa 17x2.0 as 5-layer pipe, 6bar	Ro 500 m	2.55	01
192037	6	KLIMAPEX® PE-Xa 20x2.0 as 5-layer pipe, 6bar	Dr 600 m	4.34	01
192044	6	KLIMAPEX® PE-Xa 20x2.0 as 5-layer pipe, 6bar	Ro 400 m	3.11	01
192534	6	KLIMAPEX® PE-Xa 25x2.3 as 5-layer pipe, 6bar	Dr 400 m	6.68	01
111231	7	KLIMAPEX® PE-RT 12x1.5 as 5-layer pipe, 4bar	Ro 120 m	1.64	01
111532	7	KLIMAPEX® PE-RT 15x1.8 as 5-layer pipe, 4bar, green	Ro 200 m	1.57	01
111546	7	KLIMAPEX® PE-RT 15x1.8 as 5-layer pipe, 4bar, green	Ro 600 m	1.57	01
111732	7	KLIMAPEX® PE-RT 17x2.0 as 5-layer pipe, 4bar	Ro 200 m	1.96	01
111745	7	KLIMAPEX® PE-RT 17x2.0 as 5-layer pipe, 4bar	Ro 500 m	1.96	01
112032	7	KLIMAPEX® PE-RT 20x2.0 as 5-layer pipe, 4bar	Ro 200 m	2.69	01
112044	7	KLIMAPEX® PE-RT 20x2.0 as 5-layer pipe, 4bar	Ro 400 m	2.69	01
191516	7	KLIMAPEX® PE-Xa 15x1.8 as 3-layer pipe, 6bar	Ro 600 m	1.78	01
191715	7	KLIMAPEX® PE-Xa 17x2.0 as 3-layer pipe, 6bar	Ro 500 m	2.48	01
192014	7	KLIMAPEX® PE-Xa 20x2.0 as 3-layer pipe, 6bar	Ro 400 m	2.69	01
111516	8	KLIMAPEX® PE-RT 15x1.8 as 3-layer pipe, 4bar, green	Ro 600 m	1.43	01
111552	8	KLIMAPEX® PE-RT 15x1.8 as 3-layer pipe, 6bar, green	Ro 200 m	1.62	01
111556	8	KLIMAPEX® PE-RT 15x1.8 as 3-layer pipe, 6bar, green	Ro 600 m	1.62	01
111715	8	KLIMAPEX® PE-RT 17x2.0 as 3-layer pipe, 4bar	Ro 500 m	1.71	01
111752	8	KLIMAPEX® PE-RT 17x2.0 as 3-layer pipe, 6bar	Ro 200 m	2.02	01
111755	8	KLIMAPEX® PE-RT 17x2.0 as 3-layer pipe, 6bar	Ro 500 m	2.02	01

Metal composite pipe					
Item No.	Page	Product description	PU	Price €/m	PG
171602	8	KLIMAPEX® metal composite pipe PE-RT/AL/PE-RT 16x2.0	Ro 200 m	2.59	01
171615	8	KLIMAPEX® metal composite pipe PE-RT/AL/PE-RT 16x2.0	Ro 500 m	2.59	01

# Prices Underfloor heating systems

PUR-THERM® stapler system					
Item No.	Page	Product description	PU	Price €	PG
<del>041400</del>	10	<del>Composite panel PUR/PE 14mm</del>	<del>Pack 20</del>	<del>24.86 m<sup>2</sup></del>	<del>01</del>
<del>042300</del>	10	<del>Composite panel PUR/PE 23mm</del>	<del>Pack 10</del>	<del>31.22 m<sup>2</sup></del>	<del>01</del>
<del>042400</del>	10	<del>Composite panel PUR 23mm</del>	<del>Pack 10</del>	<del>35.00 m<sup>2</sup></del>	<del>01</del>
<del>043150</del>	10	<del>Composite panel PUR/PE 36mm</del>	<del>Pack 10</del>	<del>47.10 m<sup>2</sup></del>	<del>01</del>
<del>043400</del>	10	<del>Composite panel PUR 33mm</del>	<del>Pack 10</del>	<del>40.87 m<sup>2</sup></del>	<del>01</del>
<del>044000</del>	10	<del>Composite panel PUR 40mm</del>	<del>Pack 10</del>	<del>44.16 m<sup>2</sup></del>	<del>01</del>
<del>046350</del>	10	<del>Composite panel PUR/PE 68mm</del>	<del>Pack 6</del>	<del>61.71 m<sup>2</sup></del>	<del>01</del>
022010	11	Composite panel Objekt EPS-DES 20-2mm, WLS 045, 4kPa	Pack 10	9.58 m <sup>2</sup>	01
022012	11	Turbo-Cube EPS-DES 20-2mm, WLS 045, 4kPa	Pack 12	9.58 m <sup>2</sup>	01
022060	11	Composite panel Kompakt EPS-DEO 20mm, WLS 032, 100kPa	Pack 10	14.23 m <sup>2</sup>	01
022510	11	Composite panel Objekt EPS-DES 25-2mm, WLS 045, 4kPa	Pack 10	10.77 m <sup>2</sup>	01
022512	11	Turbo-Cube EPS-DES 25-2mm, WLS 045, 4kPa	Pack 12	10.77 m <sup>2</sup>	01
022525	11	Composite panel V5 EPS-DES 25-2mm, WLS 040, 5kPa	Pack 10	15.21 m <sup>2</sup>	01
023010	11	Composite panel Objekt EPS-DES 30-3mm, WLS 045, 4kPa	Pack 10	11.96 m <sup>2</sup>	01
023012	11	Turbo-Cube EPS-DES 30-3mm, WLS 045, 4kPa	Pack 12	11.96 m <sup>2</sup>	01
023020	11	Composite panel V5 EPS-DES 30-2mm, WLS 040, 5kPa	Pack 10	13.36 m <sup>2</sup>	01
023022	11	Turbo-Cube V5 EPS-DES 30-2mm, WLS 040, 5kPa	Pack 12	13.50 m <sup>2</sup>	01
023025	11	Composite panel V5 EPS-DES 30-2mm, WLS 040, 5kPa	Pack 10	17.55 m <sup>2</sup>	01
023060	11	Composite panel Kompakt EPS-DEO 30mm, WLS 032, 100kPa	Pack 10	17.17 m <sup>2</sup>	01
023510	11	Composite panel Objekt EPS-DES 35-3mm, WLS 045, 4kPa	Pack 10	13.25 m <sup>2</sup>	01
023512	11	Turbo-Cube EPS-DES 35-3mm, WLS 045, 4kPa	Pack 12	13.25 m <sup>2</sup>	01
911000	11	Short staples, black	Car = 1,000 units	73.29/car	01
911001	11	Long staples, green	Car = 1,000 units	73.29/car	01
991010	11	PUR-THERM® System stapler	1 unit	net 94.78/unit	01
991011	11	System stapler extension	1 unit	net 35.92/unit	01

Recommended retail price

# Prices Underfloor heating systems

Exclusiv-Klett system					
Item No.	Page	Product description	PU	Price €	PG
070220	12	Composite panel Klett EPS-DES 20-2mm, WLS 045, 4kPa	Pack 10 m <sup>2</sup>	12.06/m <sup>2</sup>	01
070232	12	Composite panel Klett EPS-DES 30-2mm, WLS 040, 5kPa	Pack 10 m <sup>2</sup>	16.01/m <sup>2</sup>	01
070320	12	Turbo-Cube Klett EPS-DES 20-2mm, WLS 045, 4kPa	Pack 12 m <sup>2</sup>	12.13/m <sup>2</sup>	01
070325	12	Turbo-Cube Klett EPS-DES 25-2mm, WLS 045, 4kPa	Pack 12 m <sup>2</sup>	13.43/m <sup>2</sup>	01
070330	12	Turbo-Cube Klett EPS-DES 30-3mm, WLS 045, 4kPa	Pack 12 m <sup>2</sup>	14.58/m <sup>2</sup>	01
070332	12	Turbo-Cube Klett EPS-DES 30-2mm, WLS 040, 5kPa	Pack 12 m <sup>2</sup>	16.08/m <sup>2</sup>	01
070335	12	Turbo-Cube Klett EPS-DES 35-3mm, WLS 045, 4kPa	Pack 12 m <sup>2</sup>	16.01/m <sup>2</sup>	01
<del>070414</del>	<del>12</del>	<del>Composite panel Klett PUR/PE 15mm</del>	<del>Pack 20 m<sup>2</sup></del>	<del>34.27/m<sup>2</sup></del>	<del>01</del>
<del>070424</del>	<del>12</del>	<del>Composite panel Klett PUR 23mm</del>	<del>Pack 10 m<sup>2</sup></del>	<del>43.11/m<sup>2</sup></del>	<del>01</del>
070001	13	Connecting tape Klett	Ro 100 m	61.61/Ro	01
070236	13	Comp.panel Klett Kompakt EPS-DEO 30mm, WLS 032, 100kPa	Pack 10 m <sup>2</sup>	19.83/m <sup>2</sup>	01
070503	13	Fiberboard Klett 2.6mm, 150kPa	Pack 7,2 m <sup>2</sup>	29.90/m <sup>2</sup>	01
071211	13	KLIMAPEX® PE-RT heating pipe Klett 12x1.5	Ro 120 m	2.69/m	01
071512	13	KLIMAPEX® PE-RT heating pipe Klett 15x1.8, grün	Ro 200 m	3.04/m	01
071516	13	KLIMAPEX® PE-RT heating pipe Klett 15x1.8	Ro 600 m	3.04/m	01
071592	13	KLIMAPEX® PE-Xa heating pipe Klett 15x1.8	Ro 200 m	3.43/m	01
071596	13	KLIMAPEX® PE-Xa heating pipe Klett 15x1.8	Ro 600 m	3.43/m	01
071712	13	KLIMAPEX® PE-RT heating pipe Klett 17x2.0	Ro 200 m	3.32/m	01
071715	13	KLIMAPEX® PE-RT heating pipe Klett 17x2.0	Ro 500 m	3.32/m	01
071792	13	KLIMAPEX® PE-Xa heating pipe Klett 17x2.0	Ro 200 m	3.57/m	01
071795	13	KLIMAPEX® PE-Xa heating pipe Klett 17x2.0	Ro 500 m	3.57/m	01
990060	13	Laying gloves Klett	1 set	net 4.62/set	01
990200	13	Door tensioner	1 unit	net 58.90/unit	01
990210	13	Ceiling tensioner	1 unit	net 44.57/unit	01

# Prices Underfloor heating systems

top-Nopp® nub system for 15-17 mm pipe					
Item No.	Page	Product description	PU	Price €	PG
080020	14	Castellated element top-Nopp®	20 pnl = 20 m <sup>2</sup>	21.40/m <sup>2</sup>	01
<del>080021</del>	<del>14</del>	<del>Connector strips top-Nopp® for TN 11/30-2</del>	<del>10 units</del>	<del>11.64/unit</del>	<del>01</del>
081120	14	Castellated element top-Nopp® 11, EPS-DEO, WLS 035, 100 kPa	20 pnl = 20 m <sup>2</sup>	27.17/m <sup>2</sup>	01
083020	14	Castellated element top-Nopp® 30-2, EPS-DES, WLS 040, 5 kPa	10 pnl = 10 m <sup>2</sup>	39.65/m <sup>2</sup>	01
080022	15	Door and levelling element top-Nopp® for TN 11/30-2	1 set	173.71/set	01
011035	15	Floor insulation panel EPS-DEO top-Nopp® 11, WLS 035, 100 kPa	Pack 24 m <sup>2</sup>	3.60/m <sup>2</sup>	01
013015	15	Sound insulation panel EPS-DES 30-2, WLS 040, 5 kPa	Pack 15 m <sup>2</sup>	8.25/m <sup>2</sup>	01
080047	15	Floor insulation panel EPS-DEO top-Nopp 11, WLS 035, 100 kPa	Pack 6 m <sup>2</sup>	4.62/m <sup>2</sup>	01
089900	15	top-Nopp® round section Ø 18mm	Ro 25 m	1.43/m	01
901012	15	Expansion gap section top-Nopp®	20 units = 36 m	5.73/m	01
910050	15	top-Nopp® cutting tool	1 unit	net 20.16/unit	01
918400	15	Expansion joint protective pipe 400mm slotted	Bag 10 units	1.26/unit	01
918500	15	Expansion joint protective pipe 25m unslotted	1 Ro	2.24/m	01
918600	15	Expansion joint protective pipe 25m slotted	1 Ro	2.17/m	01

OPTIMAL II dry construction system					
Item No.	Page	Product description	PU	Price €	PG
030420	16	Dry construction system panel RA 12.5/25, WLS 035, 150 kPa	10 pnl = 6 m <sup>2</sup>	25.59/m <sup>2</sup>	01
030421	16	Dry construction aluminium baffle RA 12,5	25 units	7.06/unit	01
030424	16	Dry construction aluminium heat conduction plate	40 units = 30 m	5.28/unit	01
030423	16	Dry construction galvanised heat conduction plate	50 units = 37,5 m	7.38/unit	01
013035	17	Floor insulation panel EPS-DEO 30mm, WLS 035, 100 kPa	Pack 8 m <sup>2</sup>	10.38/m <sup>2</sup>	01
030100	17	Dry construction load distribution element	1 unit	67.83/unit	01
030230	17	Hot cutting tool	1 unit	net 220.29/unit	01
171602	17	KLIMAPEX® metal composite pipe PE-RT/AL/PE-RT 16x2.0	Ro 200 m	2.59/m	01
171615	17	KLIMAPEX® metal composite pipe PE-RT/AL/PE-RT 16x2.0	Ro 500 m	2.59/m	01
621600	17	Compression fitting brass 16x2.0, f. aluminium composite pipe	Bag 10 units	17.34/unit	01
900020	17	PE cover sheeting	Ro 100 m <sup>2</sup>	0.87/m <sup>2</sup>	01
908159	17	Edge insulation strips 8x150mm selfadhesive	Ro 50 m	136.00/100 m	01
961116	17	Flexible spring internal	1 unit	net 4.77/unit	01
961216	17	Flexible spring external	1 unit	net 6.58/unit	01

Recommended retail price

# Prices Underfloor heating systems

Additional insulation					
Item No.	Page	Product description	PU	Price €/m <sup>2</sup>	PG
<del>002006</del>	<del>18</del>	<del>Insulation panel PUR 20mm WLS 024, 100 kPa</del>	<del>Pack 7,2</del>	<del>33,88</del>	<del>01</del>
<del>003006</del>	<del>18</del>	<del>Insulation panel PUR 30mm WLS 024, 100 kPa</del>	<del>Pack 7,2</del>	<del>39,06</del>	<del>01</del>
<del>004006</del>	<del>18</del>	<del>Insulation panel PUR 40mm WLS 024, 100 kPa</del>	<del>Pack 7,2</del>	<del>46,50</del>	<del>01</del>
<del>004706</del>	<del>18</del>	<del>Insulation panel PUR 47mm WLS 024, 100 kPa</del>	<del>Pack 7,2</del>	<del>51,85</del>	<del>01</del>
<del>005306</del>	<del>18</del>	<del>Insulation panel PUR 53mm WLS 024, 100 kPa</del>	<del>Pack 7,2</del>	<del>52,80</del>	<del>01</del>
011065	18	Floor insulation panel EPS-DEO 10mm WLS 032, 100 kPa	Pack 24	4.16	01
012035	18	Floor insulation panel EPS-DEO 20mm WLS 035, 100 kPa	Pack 12	6.92	01
012065	18	Floor insulation panel EPS-DEO 20mm WLS 032, 100 kPa	Pack 12	9.86	01
013035	18	Floor insulation panel EPS-DEO 30mm WLS 035, 100 kPa	Pack 8	10.38	01
013045	18	Floor insulation panel EPS-DEO 30mm WLS 040, 100 kPa	Pack 8	9.79	01
013065	18	Floor insulation panel EPS-DEO 30mm WLS 032, 100 kPa	Pack 8	11.54	01
014035	18	Floor insulation panel EPS-DEO 40mm WLS 035, 100 kPa	Pack 6	13.85	01
014065	18	Floor insulation panel EPS-DEO 40mm WLS 032, 100 kPa	Pack 6	17.94	01
015035	18	Floor insulation panel EPS-DEO 50mm WLS 035, 100 kPa	Pack 4.5	17.31	01
015045	18	Floor insulation panel EPS-DEO 50mm WLS 040, 100 kPa	Pack 4.5	16.29	01
015065	18	Floor insulation panel EPS-DEO 50mm WLS 032, 100 kPa	Pack 4.5	20.98	01
016035	18	Floor insulation panel EPS-DEO 60mm WLS 035, 100 kPa	Pack 4	20.07	01
016045	18	Floor insulation panel EPS-DEO 60mm WLS 040, 100 kPa	Pack 4	19.58	01
016065	18	Floor insulation panel EPS-DEO 60mm WLS 032, 100 kPa	Pack 4	30.45	01
012000	18	Sound insulation panel EPS-DES 20-2 WLS 045, 4 kPa	Pack 22	4.62	01
012500	18	Sound insulation panel EPS-DES 25-2 WLS 045, 4 kPa	Pack 18	5.80	01
013000	18	Sound insulation panel EPS-DES 30-3 WLS 045, 4 kPa	Pack 15	6.92	01
013015	18	Sound insulation panel EPS-DES 30-2 WLS 040, 5 kPa	Pack 15	8.25	01
013500	18	Sound insulation panel EPS-DES 35-3 WLS 045, 4 kPa	Pack 13	8.11	01
002006	19	Insulation panel PIR 20mm WLS 023, 150kPa	Pack 17,28	33,88	01
003006	19	Insulation panel PIR 30mm WLS 023, 150kPa	Pack 11,52	39,06	01
004006	19	Insulation panel PIR 40mm WLS 023, 150kPa	Pack 8,64	46,50	01
005006	19	Insulation panel PIR 50mm WLS 023, 150kPa	Pack 7,2	52,10	01
006006	19	Insulation panel PIR 60mm WLS 023, 150kPa	Pack 5,76	58,80	01

# Prices Underfloor heating systems

<b>CUT-THERM® milling system</b> (Variant 1: HCM-D incl. connection set, angle braces, heating pipe PE-RT 15x1.8)					
Item No.	Page	Product description	for heating surface	Price € plus VAT end consumer*	PG
092201	21	CUT-THERM HCM-D 1	up to 10 m <sup>2</sup>	on request	03
092202	21	CUT-THERM HCM-D 2	up to 20 m <sup>2</sup>	on request	03
092203	21	CUT-THERM HCM-D 3	up to 30 m <sup>2</sup>	on request	03
092204	21	CUT-THERM HCM-D 4	up to 40 m <sup>2</sup>	2,655.42*	03
092205	21	CUT-THERM HCM-D 5	up to 50 m <sup>2</sup>	3,219.12*	03
092206	21	CUT-THERM HCM-D 6	up to 60 m <sup>2</sup>	3,782.52*	03
092207	21	CUT-THERM HCM-D 7	up to 70 m <sup>2</sup>	4,346.58*	03
092208	21	CUT-THERM HCM-D 8	up to 80 m <sup>2</sup>	4,910.75*	03
092209	21	CUT-THERM HCM-D 9	up to 90 m <sup>2</sup>	5,474.48*	03
092210	21	CUT-THERM HCM-D 10	up to 100 m <sup>2</sup>	6,038.21*	03
092211	21	CUT-THERM HCM-D 11	up to 110 m <sup>2</sup>	6,603.06*	03
092212	21	CUT-THERM HCM-D 12	up to 120 m <sup>2</sup>	7,166.79*	03
092213	21	CUT-THERM HCM-D 13	up to 130 m <sup>2</sup>	7,734.66*	03
092214	21	CUT-THERM HCM-D 14	up to 140 m <sup>2</sup>	8,298.14*	03
092215	21	CUT-THERM HCM-D 15	up to 150 m <sup>2</sup>	8,861.80*	03
092216	21	CUT-THERM HCM-D 16	up to 160 m <sup>2</sup>	9,425.46*	03
092217	21	CUT-THERM HCM-D 17	up to 170 m <sup>2</sup>	10,041.16*	03
092218	21	CUT-THERM HCM-D 18	up to 180 m <sup>2</sup>	10,604.89*	03
092219	21	CUT-THERM HCM-D 19	up to 190 m <sup>2</sup>	11,168.62*	03
092220	21	CUT-THERM HCM-D 20	up to 200 m <sup>2</sup>	11,732.35*	03
092221	21	CUT-THERM HCM-D 21	up to 210 m <sup>2</sup>	12,297.20*	03
092222	21	CUT-THERM HCM-D 22	up to 220 m <sup>2</sup>	12,862.04*	03
092223	21	CUT-THERM HCM-D 23	up to 230 m <sup>2</sup>	13,425.77*	03
092224	21	CUT-THERM HCM-D 24	up to 240 m <sup>2</sup>	13,989.50*	03
092225	21	CUT-THERM HCM-D 25	up to 250 m <sup>2</sup>	14,557.37*	03

\* Example tables CUT-THERM® Variant 1 and 2: Prices status 4/2022. Price deviations possible due to constructional requirements. Precondition for the order is the calculation of the surface heating by EMPUR®, Technical Services Department.  
**A separate rebate applies for the CUT-THERM® modernization system.**

Recommended retail price



# Prices Underfloor heating systems

## CUT-THERM® milling system (Variant 2: HCM-DR incl. high-efficiency pump, thermoseparator, connection set 90° with line regulating valve and ruleset K, angle braces, heating pipe PE-RT 15x1,8)

Item No.	Page	Product description	for heating surface	Price € plus VAT end consumer*	PG
092502	21	CUT-THERM HCM-DR 2	up to 20 m <sup>2</sup>	on request	03
092503	21	CUT-THERM HCM-DR 3	up to 30 m <sup>2</sup>	on request	03
092504	21	CUT-THERM HCM-DR 4	up to 40 m <sup>2</sup>	3,135.49*	03
092505	21	CUT-THERM HCM-DR 5	up to 50 m <sup>2</sup>	3,699.81*	03
092506	21	CUT-THERM HCM-DR 6	up to 60 m <sup>2</sup>	4,264.13*	03
092507	21	CUT-THERM HCM-DR 7	up to 70 m <sup>2</sup>	4,828.45*	03
092508	21	CUT-THERM HCM-DR 8	up to 80 m <sup>2</sup>	5,392.78*	03
092509	21	CUT-THERM HCM-DR 9	up to 90 m <sup>2</sup>	5,957.10*	03
092510	21	CUT-THERM HCM-DR 10	up to 100 m <sup>2</sup>	6,716.93*	03
092511	21	CUT-THERM HCM-DR 11	up to 110 m <sup>2</sup>	7,289.67*	03
092512	21	CUT-THERM HCM-DR 12	up to 120 m <sup>2</sup>	7,862.41*	03
092513	21	CUT-THERM HCM-DR 13	up to 130 m <sup>2</sup>	8,435.16*	03
092514	21	CUT-THERM HCM-DR 14	up to 140 m <sup>2</sup>	9,007.90*	03
092515	21	CUT-THERM HCM-DR 15	up to 150 m <sup>2</sup>	9,580.65*	03
092516	21	CUT-THERM HCM-DR 16	up to 160 m <sup>2</sup>	10,153.23*	03

## top-Nopp® mini nub system

Item No.	Page	Product description	PU	Price €	PG
080050	22	Castellated element top-Nopp® mini for pipe 12mm	10 pnl = 10 m <sup>2</sup>	42.66/m <sup>2</sup>	01
080051	22	Castellated element top-Nopp® mini for pipe 15mm	10 pnl = 7 m <sup>2</sup>	44.55/m <sup>2</sup>	01
089050	23	Kit top-Nopp® mini for pipe 12mm, 10m <sup>2</sup>	1 set	807.52/set	01
089051	23	Kit top-Nopp® mini for pipe 15mm, 21m <sup>2</sup>	1 set	1,291.36/set	01
111231	23	KLIMAPEX® PE-RT 12x1.5 as 5-layer pipe, 4bar	Ro 120 m	1.64/m	01
111532	23	KLIMAPEX® PE-RT 15x1.8 as 5-layer pipe, 4bar, green	Ro 200 m	1.57/m	01
401211	23	Connection coupling brass 12x1.5	Bag 5 units	4.76/unit	01
401500	23	Connection coupling brass 15x1.8	Bag 10 units	39.48/unit	01
421211	23	Compression fitting brass 12x1.5	Bag 6 units	18.88/unit	01
421500	23	Compression fitting brass 15x1.8	Bag 10 units	6.78/unit	01
901004	23	Expansion profile DF-P, 10mm, 1.80m long	25 units = 45 m	9.16/m	01
908158	23	Edge isulation strips 5x50 selfadhesive	Ro 25 m	210.00/100m	01

## Multibox-RTL individual room control

Item No.	Page	Product description	PU	Price €/set	PG
573021	24	FM control set variant 1 with thermostatic head	1 set	508.31	01
573031	24	FM control set variant 2 with actuator	1 set	488.78	01

Recommended retail price

# Prices Wall/ceiling heating systems

Wall heating					
Item No.	Page	Product description	PU	Price €	PG
031006	25	Ceiling and wall element H/C 1,200x500x42.5mm, WLS 035	1 unit = 0,6 m <sup>2</sup>	157.10/m <sup>2</sup>	01
031024	25	Ceiling and wall element H/C 2,000x1,200x42.5mm, WLS 035	1 unit = 2,4 m <sup>2</sup>	119.76/m <sup>2</sup>	01
031124	25	Ceiling and wall comp. element 2.000x1.250x42,5mm, WLS 035	1 unit = 2,5 m <sup>2</sup>	179.72/m <sup>2</sup>	01
030420	25	Dry construction system panel RA 12,5/25, WLS 035, 150 kPa	10 pnl = 6 m <sup>2</sup>	25.59/m <sup>2</sup>	01
111231	26	KLIMAPEX® PE-RT 12x1.5 as 5-layer pipe, 4bar	Ro 120 m	1.64/m	01
111532	26	KLIMAPEX® PE-RT 15x1.8 as 5-layer pipe, 4bar, green	Ro 200 m	1.57/m	01
911202	26	Clip rail 8-12mm, laying grid 50 mm, length 2m	1 unit	5.28/m	01
911502	26	Clip rail 15mm, laying grid 25 mm, length 2m	1 unit	5.52/m	01
401211	27	Connection coupling brass 12x1.5	Bag 5 units	4.76/unit	01
401500	27	Connection coupling brass 15x1.8	Bag 10 units	39.48/unit	01
421211	27	Compression fitting brass 12x1.5	Bag 6 units	18.88/unit	01
421500	27	Compression fitting brass 15x1.8	Bag 10 units	6.78/unit	01
900050	27	Dowel nail 6mm	Bag 100 units	0.73/unit	01
900051	27	Dowel clamp 6mm	Bag 20 units	1.43/unit	01
900053	27	Glass reinforcement fabric, 1m wide	Ro 25 m <sup>2</sup>	4.06/m <sup>2</sup>	01
900058	27	Kit wall heating 12m <sup>2</sup>	1 set	610.94/set	01
900059	27	Kit wall heating 20m <sup>2</sup>	1 set	891.54/set	01
901014	27	Angle brace 90° open 14mm, for pipe up to max. 14mm	Bag 10 units	1.33/unit	01
901418	27	Angle brace 90° open 17mm, for pipe up to max. 17mm	Bag 10 units	1.33/unit	01

Ceiling heating and cooling					
Item No.	Page	Product description	PU	Price €	PG
031004	28	Ceiling element H/C Alu 600x600x30mm, WLS 035	6 units = 2.16 m <sup>2</sup>	106.33/unit	01
031005	28	Ceiling compensation element 600x600x30mm, WLS 035	6 units = 2.16 m <sup>2</sup>	64.09/unit	01
031006	29	Ceiling and wall element H/C 1,200x500x42.5mm, WLS 035	1 unit = 0.6 m <sup>2</sup>	157.10/m <sup>2</sup>	01
031024	29	Ceiling and wall element H/C 2,000x1,200x42.5mm, WLS 035	1 unit = 2.4 m <sup>2</sup>	119.76/m <sup>2</sup>	01
031124	29	Ceiling and wall comp. element 2,000x1,250x42.5mm, WLS 035	1 unit = 2.5 m <sup>2</sup>	179.72/m <sup>2</sup>	01
031182	29	Push fitting H/C element 20x2.0 for alu pipe, 2 outlets, red	1 unit	28.74/unit	01
031184	29	Push fitting H/C element 20x2.0 for alu pipe, 4 outlets, red	1 unit	42.24/unit	01
031208	29	Plug for push fitting 8mm, black	1 unit	2.03/unit	01
031220	29	Plug for push fitting 20mm, black	1 unit	2.69/unit	01
031282	29	Push fitting H/C element 20x2.0 for PE-RT pipe 2 outlets, red	1 unit	25.87/unit	01
031284	29	Push fitting H/C element 20x2.0 for PE-RT pipe, 4 outlets, red	1 unit	40.45/unit	01
032122	29	Push fitting H/C element coupling for 20x2 alu pipe, black	1 unit	11.50/unit	01
032182	29	Push fitting H/C element 20x2.0 for alu pipe, 2 outlets, blue	1 unit	31.68/unit	01
032184	29	Push fitting H/C element 20x2.0 for alu pipe, 4 outlets, blue	1 unit	42.24/unit	01
032222	29	Push fitting H/C element coupling for PE-RT pipe, black	1 unit	14.37/unit	01
032282	29	Push fitting H/C element for PE-RT pipe, 2 outlets, blue	1 unit	25.87/unit	01
032284	29	Push fitting H/C element for PE-RT pipe, 4 outlets, blue	1 unit	40.45/unit	01
032288	29	Push fitting H/C element coupling for PE-RT pipe	1 unit	7.48/unit	01

Recommended retail price

# Prices Accessories and tools

System accessories surface heating					
Item No.	Page	Product description	PU	Price €/unit	PG
401010	30	Connection coupling brass 10x1.3	Bag 5 units	23.01	01
401211	30	Connection coupling brass 12x1.5	Bag 5 units	4.76	01
401500	30	Connection coupling brass 15x1.8	Bag 10 units	39.48	01
401600	30	Connection coupling brass 16x2.0	Bag 10 units	23.78	01
401700	30	Connection coupling brass 17x2.0	Bag 10 units	32.24	01
402000	30	Connection coupling brass 20x2.0	Bag 10 units	50.14	01
402500	30	Connection coupling brass 25x2.3	Bag 5 units	44.86	01
421000	30	Compression fitting brass 10x1.3	Bag 6 units	6.92	01
421211	30	Compression fitting brass 12x1.5	Bag 6 units	18.88	01
421500	30	Compression fitting brass 15x1.8	Bag 10 units	6.78	01
421501	30	Compression fitting brass 15x1.8	Bag 10 units	7.10	01
421700	30	Compression fitting brass 17x2.0	Bag 10 units	6.75	01
421701	30	Compression fitting brass 17x2.0	Bag 10 units	7.87	01
422000	30	Compression fitting brass 20x2.0	Bag 10 units	21.68	01
422001	30	Compression fitting brass 20x2.0	Bag 10 units	21.75	01
621400	30	Compression fitting brass 14x2.0	Bag 10 units	4.20	01
621600	30	Compression fitting brass 16x2.0	Bag 10 units	17.34	01
790111	30	Sealing cap brass 3/4" IG euroconus	1 unit	6.71	01
790112	30	Sealing cap brass nickel-plated 3/4" IG euroconus	1 unit	6.50	01
301400	31	Press-fit coupling 14x2.0 with TH contour	Bag 5 units	11.15	01
301500	31	Press-fit coupling 15x1.8 with TH contour	Bag 5 units	13.60	01
301600	31	Press-fit coupling 16x2.0 with TH contour	Bag 5 units	10.45	01
301700	31	Press-fit coupling 17x2.0 with TH contour	Bag 5 units	11.92	01
302000	31	Press-fit coupling 20x2.0 with TH contour	Bag 5 units	10.03	01
302500	31	Press-fit coupling 25x2.3 with TH contour	Bag 5 units	16.22	01
351500	31	Adapter nipple 15x1.8 x 1/2" IG with TH contour	Bag 10 units	8.20	01
361500	31	Adapter nipple 15x1.8 x 1/2" AG with TH contour	Bag 10 units	11.12	01
361600	31	Adapter nipple 16x2.0 x 1/2" AG with TH contour	Bag 10 units	9.69	01
361700	31	Adapter nipple 17x2.0 x 1/2" AG with TH contour	Bag 10 units	10.49	01
362000	31	Adapter nipple 20x2.0 x 1/2" AG with TH contour	Bag 10 units	13.60	01
362500	31	Adapter nipple 25x2.3 x 1/2" AG with TH contour	Bag 5 units	20.42	01
371503	31	Connection bracket 90° 15x1.8x300mm	Bag 2 units	36.71	01
371513	31	Connection bracket T-piece 15x1.8x15x1.8x300mm	Bag 2 units	37.87	01
371703	31	Connection bracket 90° 17x2.0x300mm	Bag 2 units	31.50	01
371713	31	Connection bracket T-piece 17x2.0x17x2.0x300mm	Bag 2 units	35.17	01
452500	31	Screw connection 3/4" IG x 25x2.3	Bag 5 units	25.38	01
461400	31	Screw connection 1/2" AG x 14x2.0	Bag 10 units	15.49	01
461500	31	Screw connection 1/2" AG x 15x1.8	Bag 10 units	21.05	01
461700	31	Screw connection 1/2" AG x 17x2.0	Bag 10 units	21.05	01
462000	31	Screw connection 1/2" AG x 20x2.0	Bag 10 units	18.32	01

Recommended retail price

# Prices Accessories and tools

System accessories surface heating					
Item No.	Page	Product description	PU	Price €	PG
462500	31	Screw connection 3/4" AG x 25x2.3	Bag 5 units	47.24/unit	01
793435	31	Double nipple brass 3/4" AG	Bag 5 units	7.55/unit	01
793440	31	Double nipple brass 1" AG	Bag 5 units	4.23/unit	01
901010	32	Expansion gap profile PE 100/10mm	10 units = 18 m	12.69/m	01
903200	32	PE film moisture barrier	Ro 50 m <sup>2</sup>	7.24/m <sup>2</sup>	01
903201	32	Bitumen sealant and adhesive	1 unit	33.57/unit	01
903202	32	Butyl sealing tape	Ro 15 m	56.54/ro	01
903203	33	System connection strips	Ro 25 m	137.69/ro	01
903204	32	Fixing tape	Ro 5 m	124.48/ro	01
908152	32	Edge insulation strips 8x150	Ro 50 m	94.00/100m	01
908154	32	Edge insulation strips 10x150	Ro 50 m	115.00/100m	01
908159	32	Edge insulation strips 8x150, selfadhesive back side	Ro 50 m	136.00/100m	01
911000	32	Short staples, black	Car = 1,000 units	73.29/car	01
911001	32	Long staples, green	Car = 1,000 units	73.29/car	01
900010	33	Retaining dowel, 80mm shaft length	Bag 100 units	0.22/unit	01
900015	33	Film dowel, 25mm shaft length	Bag 100 units	0.17/unit	01
900020	33	PE cover sheeting as a separating layer, width 2m	Ro 100 m <sup>2</sup>	0.87/m <sup>2</sup>	01
901002	33	Plastic grid film, web width 1,030mm, grid 100x100mm	Ro 103 m <sup>2</sup>	2.27/m <sup>2</sup>	01
901014	33	Angle brace 90° open, for pipe up to max. 14mm	Bag 10 units	1.33/unit	01
901418	33	Angle brace 90° open, for pipe up to max. 17mm	Bag 10 units	1.33/unit	01
902020	33	Angle brace 90° open, for pipe up to max. 20mm	Bag 10 units	2.27/unit	01
905501	33	Plastic adhesive tape, width 50mm, roll 66m	Car 36 Ro	13.04/ro	01
912800	33	Deflection curve 90°, for pipe up to max. 20mm	Bag 10 units	1.96/unit	01
918400	33	Expansion joint protective pipe 400mm slotted	Bag 10 units	1.26/unit	01
918500	33	Expansion joint protective pipe 25m unslotted	1 Ro	2.24/m	01
918600	33	Expansion joint protective pipe 25m slotted	1 Ro	2.17/m	01
901000	34	Screed additive	10 kg	4.13/kg	01
902000	34	Screed reinforcement fibre	1 Bag	6.85/unit	01
904000	34	Bound fill, Bag 100l	1 Bag	105.52/bag	01
904001	34	Bound fill, non-organic, Bag 100l	1 Bag	149.58/bag	01
911202	34	Clip rail 8-12mm, laying grid 50 mm, length 2m	1 unit	5.28/m	01
911502	34	Clip rail 15mm, laying grid 25 mm, length 2m	1 unit	5.52/m	01
911602	34	Clip rail 16mm, laying gridr 50 mm, length 2m	1 unit	5.14/m	01
911702	34	Clip rail 17mm, laying grid 50 mm, length 2m	1 unit	4.79/m	01
990100	34	Marking set	Bag 5 units	8.46/unit	01

Recommended retail price

## Prices Accessories and tools

System tools surface heating					
Item No.	Page	Product description	PU	Price €	PG
910027	35	Pipe cutter, for pipe up to Ø35mm	1 unit	31.53/unit	02
990800	35	Pipe dispenser, without pipe, width 420mm for core Ø 260mm	1 unit	338.77/unit	02
991010	35	Stapler system, without staples	1 unit	94.78/unit	02
991011	35	Stapler system extension	1 unit	35.92/unit	02
995501	35	Hand dispenser	1 unit	18.23/unit	02
901011	36	Notching pliers	1 unit	58.63/unit	02
961014	36	Press jaw 14x2.0 TH contour	1 unit	138.17/unit	02
961015	36	Press jaw 15x1.8 TH contour	1 unit	171.82/unit	02
961016	36	Press jaw 16x2.0 TH contour	1 unit	153.18/unit	02
961017	36	Press jaw 17x2.0 TH- contour	1 unit	141.76/unit	02
961020	36	Press jaw 20x2.0 TH contour	1 unit	153.18/unit	02
961025	36	Press jaw 25x2.3 TH contour	1 unit	160.84/unit	02
961501	36	Calibrator 15x1.8	1 unit	52.91/unit	02
961601	36	Calibrator 16x2.0	1 unit	30.82/unit	02
961701	36	Calibrator 17x2.0	1 unit	35.20/unit	02
962001	36	Calibrator 20x2.0	1 unit	31.00/unit	02
962501	36	Calibrator 25x2.3	1 unit	31.94/unit	02
961720	36	Herz exchange tool for valves M28x1.5	1 unit	96.43/unit	02
990200	36	Door tensioner, extending length 570-960mm	1 unit	58.90/unit	02
990210	36	Ceiling tensioner, adjustable 1,650-2,800mm	1 unit	44.57/unit	02
992750	36	Trestles, 1 set = 2 units for disposable drums 400/600m	1 set	77.37/set	02

# Prices Manifold technology

Stainless steel manifolds					
Item No.	Page	Product description	PU	Price €	PG
220178	37	Manifold expansion set HCM-DB for stainless steel manifold	1 set	154.17/set	01
220278	37	Stainless steel manifold, series 03 Balance HCM-DB 2	1 unit	262.92/unit	01
220378	37	Stainless steel manifold, series 03 Balance HCM-DB 3	1 unit	351.37/unit	01
220478	37	Stainless steel manifold, series 03 Balance HCM-DB 4	1 unit	407.32/unit	01
220578	37	Stainless steel manifold, series 03 Balance HCM-DB 5	1 unit	498.04/unit	01
220678	37	Stainless steel manifold, series 03 Balance HCM-DB 6	1 unit	574.05/unit	01
220778	37	Stainless steel manifold, series 03 Balance HCM-DB 7	1 unit	654.26/unit	01
220878	37	Stainless steel manifold, series 03 Balance HCM-DB 8	1 unit	738.63/unit	01
220978	37	Stainless steel manifold, series 03 Balance HCM-DB 9	1 unit	832.23/unit	01
221078	37	Stainless steel manifold, series 03 Balance HCM-DB 10	1 unit	919.61/unit	01
221178	37	Stainless steel manifold, series 03 Balance HCM-DB 11	1 unit	999.08/unit	01
221278	37	Stainless steel manifold, series 03 Balance HCM-DB 12	1 unit	1.084.05/unit	01
220176	38	Manifold expansion set HCM-D for stainless steel manifold	1 set	133.96/set	01
220276	38	Stainless steel manifold, series 03 HCM-D 2	1 unit	181.07/unit	01
220376	38	Stainless steel manifold, series 03 HCM-D 3	1 unit	224.97/unit	01
220476	38	Stainless steel manifold, series 03 HCM-D 4	1 unit	270.15/unit	01
220576	38	Stainless steel manifold, series 03 HCM-D 5	1 unit	317.92/unit	01
220676	38	Stainless steel manifold, series 03 HCM-D 6	1 unit	365.36/unit	01
220776	38	Stainless steel manifold, series 03 HCM-D 7	1 unit	420.06/unit	01
220876	38	Stainless steel manifold, series 03 HCM-D 8	1 unit	468.15/unit	01
220976	38	Stainless steel manifold, series 03 HCM-D 9	1 unit	518.13/unit	01
221076	38	Stainless steel manifold, series 03 HCM-D 10	1 unit	569.82/unit	01
221176	38	Stainless steel manifold, series 03 HCM-D 11	1 unit	614.58/unit	01
221276	38	Stainless steel manifold, series 03 HCM-D 12	1 unit	665.71/unit	01

# Prices Manifold technology

Brass manifolds					
Item No.	Page	Product description	PU	Price €	PG
220141	40	Manifold expansion set HCM-D for brass manifold	1 set	135.03/set	01
220246	40	Brass manifold, Version 2.0 HCM-D 2	1 unit	165.89/unit	01
220346	40	Brass manifold, Version 2.0 HCM-D 3	1 unit	217.83/unit	01
220446	40	Brass manifold, Version 2.0 HCM-D 4	1 unit	268.99/unit	01
220546	40	Brass manifold, Version 2.0 HCM-D 5	1 unit	320.51/unit	01
220646	40	Brass manifold, Version 2.0 HCM-D 6	1 unit	371.33/unit	01
220746	40	Brass manifold, Version 2.0 HCM-D 7	1 unit	422.98/unit	01
220846	40	Brass manifold, Version 2.0 HCM-D 8	1 unit	475.00/unit	01
220946	40	Brass manifold, Version 2.0 HCM-D 9	1 unit	526.28/unit	01
221046	40	Brass manifold, Version 2.0 HCM-D 10	1 unit	577.53/unit	01
221146	40	Brass manifold, Version 2.0 HCM-D 11	1 unit	631.37/unit	01
221246	40	Brass manifold, Version 2.0 HCM-D 12	1 unit	682.83/unit	01
221341	40	Brass manifold, Version 2.0 HCM-D 13	1 unit	743.57/unit	01
221441	40	Brass manifold, Version 2.0 HCM-D 14	1 unit	794.38/unit	01
221541	40	Brass manifold, Version 2.0 HCM-D 15	1 unit	861.55/unit	01
221641	40	Brass manifold, Version 2.0 HCM-D 16	1 unit	867.20/unit	01

# Prices Manifold technology

Manifold accessories for stainless steel and brass manifolds					
Item No.	Page	Product description	PU	Price €	PG
290114	42	Manifold connection set passageway for manifold 5/4"	1 set	118.81/set	01
291100	42	Manifold connection set 90° for manifold 1"	1 set	102.83/set	01
295100	42	Manifold connection set passageway for manifold 1"	1 set	67.03/set	01
721017	42	WMZ connection set passageway 1/2" for manifold 1"	1 set	158.95/set	01
721027	42	WMZ connection set passageway 3/4" for manifold 1"	1 set	153.78/set	01
721037	42	WMZ connection set 90° 1/2" for manifold 1"	1 set	113.57/set	01
721047	42	WMZ connection set 90° 3/4" for manifold 1"	1 set	183.25/set	01
722002	42	Ball valve 3/4" nickel-plated	1 unit	13.04/unit	01
233434	42	Flow meter, 0,6-2,4 litre, 3/4" IG x 3/4" AG euroconus	1 unit	62.62/unit	01
270134	43	Line regulating valve STAD DN20	1 unit	179.13/unit	01
270135	43	Line regulating valve STAD DN25	1 unit	259.55/unit	01
520027	43	Zone valve 3/4" with screw connection and actuator	1 unit	136.01/unit	01
521001	43	Balancing valve 2-16 l/min	1 unit	82.76/unit	01
620060	43	Immersion thermometer indicator red, 0-60°C	1 unit	13.85/unit	01
620062	43	Immersion thermometer indicator blue, 0-60°C	1 unit	14.55/unit	01
620067	43	Contact thermometer black, 0-80°C	1 unit	16.64/unit	01
720100	43	Manifold crosspiece 1" AG x 1/2" IG x 3/8" IG	1 unit	21.43/unit	01
720134	43	Manifold crosspiece for WMZ flow sensor 1/2" AG	1 unit	18.78/unit	01
721100	43	Connector piece 1" IA x 1/2" IG simply	1 unit	15.42/unit	01
791010	43	Reducer brass 5/4"AGx1"IG	Bag 5 units	9.58/unit	01
791012	43	Reducer brass 1"AGx1/2"IG	Bag 5 units	5.17/unit	01
791034	43	Reducer brass 1"AGx3/4"IG	Bag 5 units	7.41/unit	01
791112	43	Reducer brass 5/4"AGx1/2"IG	Bag 5 units	17.83/unit	01



# Prices Manifold technology

<b>Control manifolds with a high-efficiency pump and thermoseparator. version 2.0 and accessories</b>					
<b>Item No.</b>	<b>Page</b>	<b>Product description</b>	<b>PU</b>	<b>Price €</b>	<b>PG</b>
250212	44	Control station HCM-DR 2	1 unit	1,368.00/unit	01
250312	44	Control station HCM-DR 3	1 unit	1,438.89/unit	01
250412	44	Control station HCM-DR 4	1 unit	1,498.93/unit	01
250512	44	Control station HCM-DR 5	1 unit	1,558.96/unit	01
250612	44	Control station HCM-DR 6	1 unit	1,618.98/unit	01
250712	44	Control station HCM-DR 7	1 unit	1,679.02/unit	01
250812	44	Control station HCM-DR 8	1 unit	1,739.06/unit	01
250912	44	Control station HCM-DR 9	1 unit	1,799.09/unit	01
251012	44	Control station HCM-DR 10	1 unit	2,349.72/unit	01
251112	44	Control station HCM-DR 11	1 unit	2,426.21/unit	01
251212	44	Control station HCM-DR 12	1 unit	2,502.73/unit	01
251312	44	Control station HCM-DR 13	1 unit	2,579.24/unit	01
251412	44	Control station HCM-DR 14	1 unit	2,655.75/unit	01
251512	44	Control station HCM-DR 15	1 unit	2,732.26/unit	01
251612	44	Control station HCM-DR 16	1 unit	2,808.32/unit	01
230032	45	Passageway connection set for thermoseparator	1 set	246.33/set	01
230042	45	90° connection set for thermoseparator	1 set	286.89/set	01
510621	45	Overheat thermostat 230V	1 unit	68.32/unit	01
510705	45	CONTEMP alpha control station with high-efficiency pump	1 unit	1,767.52/unit	01
520030	45	Actuator 230V „control set V“ M28x1.5	1 unit	28.50/unit	01
520040	45	Thermostatic head „control set K“	1 unit	88.95/unit	01
722002	45	Ball valve 3/4" nickel-plated	1 unit	13.04/unit	01
EM000005	46	Mounting access. connection set WMZ 1" for HCM-DR 2-9	1 set	182.88/set	01
EM000006	46	Mounting access. connection set WMZ 5/4" for HCM-DR 10-16	1 set	206.46/set	01

# Prices Manifold technology

Manifold cabinets					
Item No.	Page	Product description	PU	Price €	PG
268130	47	Manifold cabinet Top Standard, size 1, 520mm	1 unit	173.46/unit	01
268230	47	Manifold cabinet Top Standard, size 2, 720mm	1 unit	213.22/unit	01
268330	47	Manifold cabinet Top Standard, size 3, 920mm	1 unit	247.13/unit	01
268430	47	Manifold cabinet Top Standard, size 4, 1,120mm	1 unit	281.05/unit	01
268120	48	Manifold cabinet Exclusiv, size 1, 520mm	1 unit	240.25/unit	01
268220	48	Manifold cabinet Exclusiv, size 2, 720mm	1 unit	280.17/unit	01
268320	48	Manifold cabinet Exclusiv, size 3, 920mm	1 unit	329.20/unit	01
268420	48	Manifold cabinet Exclusiv, size 4, 1,120mm	1 unit	373.81/unit	01
268140	49	Manifold cabinet Exclusiv superflat, size 1, 520mm	1 unit	150.59/unit	01
268240	49	Manifold cabinet Exclusiv superflat, size 2, 720mm	1 unit	260.24/unit	01
268340	49	Manifold cabinet Exclusiv superflat, size 3, 920mm	1 unit	312.10/unit	01
268440	49	Manifold cabinet Exclusiv superflat, size 4, 1,120mm	1 unit	377.94/unit	01
269135	50	Manifold cabinet Top Standard-plus, size 1, 720mm	1 unit	220.24/unit	01
269235	50	Manifold cabinet Top Standard-plus, size 2, 920mm	1 unit	258.64/unit	01
269335	50	Manifold cabinet Top Standard-plus, size 3, 1,120mm	1 unit	301.75/unit	01
269435	50	Manifold cabinet Top Standard-plus, size 4, 1,320mm	1 unit	343.71/unit	01
269535	50	Manifold cabinet Top Standard-plus, size 5, 1,520mm	1 unit	385.66/unit	01
269125	51	Manifold cabinet Exclusiv-plus, size 1, 720mm	1 unit	324.69/unit	01
269225	51	Manifold cabinet Exclusiv-plus, size 2, 920mm	1 unit	458.18/unit	01
269325	51	Manifold cabinet Exclusiv-plus, size 3, 1,120mm	1 unit	529.27/unit	01
269425	51	Manifold cabinet Exclusiv-plus, size 4, 1,320mm	1 unit	639.16/unit	01
269525	51	Manifold cabinet Exclusiv-plus, size 5, 1,520mm	1 unit	691.26/unit	01
267120	52	Manifold cabinet Economy, size 1 FM, 550mm	1 unit	189.65/unit	01
267130	52	Manifold cabinet Economy, size 1 WM, 550mm	1 unit	172.41/unit	01
267220	52	Manifold cabinet Economy, size 2 FM, 700mm	1 unit	212.66/unit	01
267230	52	Manifold cabinet Economy, size 2 WM, 700mm	1 unit	201.15/unit	01
267320	52	Manifold cabinet Economy, size 3 FM, 850mm	1 unit	235.63/unit	01
267330	52	Manifold cabinet Economy, size 3 WM, 850mm	1 unit	229.90/unit	01
267420	52	Manifold cabinet Economy, size 4 FM, 1,000mm	1 unit	278.74/unit	01
267430	52	Manifold cabinet Economy, size 4 WM, 1,000mm	1 unit	261.50/unit	01
902600	52	Top-hat rail, length 400mm with 2 screws	1 set	15.77/set	01

Recommended retail price

# Prices Geniax heat distribution system

Geniax complete stainless steel manifold					
Item No.	Page	Product description	PU	Price €/unit	PG
280206	58	Complete manifold stainless steel HCM-G 2 FM	1 unit	808.90	04
280207	58	Complete manifold stainless steel HCM-G 2 WM	1 unit	776.01	04
280306	58	Complete manifold stainless steel HCM-G 3 FM	1 unit	1,107.35	04
280307	58	Complete manifold stainless steel HCM-G 3 WM	1 unit	1,074.46	04
280406	58	Complete manifold stainless steel HCM-G 4 FM	1 unit	1,401.83	04
280407	58	Complete manifold stainless steel HCM-G 4 WM	1 unit	1,368.94	04
280506	58	Complete manifold stainless steel HCM-G 5 FM	1 unit	1,709.34	04
280507	58	Complete manifold stainless steel HCM-G 5 WM	1 unit	1,680.13	04
280606	58	Complete manifold stainless steel HCM-G 6 FM	1 unit	2,006.30	04
280607	58	Complete manifold stainless steel HCM-G 6 WM	1 unit	1,977.09	04
280706	58	Complete manifold stainless steel HCM-G 7 FM	1 unit	2,304.14	04
280707	58	Complete manifold stainless steel HCM-G 7 WM	1 unit	2,274.92	04
280806	58	Complete manifold stainless steel HCM-G 8 FM	1 unit	2,598.80	04
280807	58	Complete manifold stainless steel HCM-G 8 WM	1 unit	2,569.59	04
280906	58	Complete manifold stainless steel HCM-G 9 FM	1 unit	2,943.67	04
280907	58	Complete manifold stainless steel HCM-G 9 WM	1 unit	2,872.01	04
281006	58	Complete manifold stainless steel HCM-G 10 FM	1 unit	3,241.83	04
281007	58	Complete manifold stainless steel HCM-G 10 WM	1 unit	3,159.10	04
281106	58	Complete manifold stainless steel HCM-G 11 FM	1 unit	3,538.30	04
281107	58	Complete manifold stainless steel HCM-G 11 WM	1 unit	3,466.63	04
281206	58	Complete manifold stainless steel HCM-G 12 FM	1 unit	3,836.36	04
281207	58	Complete manifold stainless steel HCM-G 12 WM	1 unit	3,764.70	04

# Prices Geniix heat distribution system

Geniix complete brass manifold					
Item No.	Page	Product description	PU	Price €/unit	PG
230053	59	Thermoseparator 5/4" brass	1 unit	94.75	04
230054	59	Thermoseparator 1" stainless steel	1 unit	66.81	04
280202	59	Complete manifold brass HCM-G 2 FM	1 unit	817.14	04
280203	59	Complete manifold brass HCM-G 2 WM	1 unit	784.25	04
280302	59	Complete manifold brass HCM-G 3 FM	1 unit	1,119.57	04
280303	59	Complete manifold brass HCM-G 3 WM	1 unit	1,086.68	04
280402	59	Complete manifold brass HCM-G 4 FM	1 unit	1,420.94	04
280403	59	Complete manifold brass HCM-G 4 WM	1 unit	1,388.05	04
280502	59	Complete manifold brass HCM-G 5 FM	1 unit	1,732.46	04
280503	59	Complete manifold brass HCM-G 5 WM	1 unit	1,703.25	04
280602	59	Complete manifold brass HCM-G 6 FM	1 unit	2,035.25	04
280603	59	Complete manifold brass HCM-G 6 WM	1 unit	2,006.04	04
280702	59	Complete manifold brass HCM-G 7 FM	1 unit	2,336.71	04
280703	59	Complete manifold brass HCM-G 7 WM	1 unit	2,307.50	04
280802	59	Complete manifold brass HCM-G 8 FM	1 unit	2,650.42	04
280803	59	Complete manifold brass HCM-G 8 WM	1 unit	2,621.21	04
280902	59	Complete manifold brass HCM-G 9 FM	1 unit	3,010.03	04
280903	59	Complete manifold brass HCM-G 9 WM	1 unit	2,938.54	04
281002	59	Complete manifold brass HCM-G 10 FM	1 unit	3,313.63	04
281003	59	Complete manifold brass HCM-G 10 WM	1 unit	3,241.97	04
281102	59	Complete manifold brass HCM-G 11 FM	1 unit	3,616.16	04
281103	59	Complete manifold brass HCM-G 11 WM	1 unit	3,544.50	04
281202	59	Complete manifold brass HCM-G 12 FM	1 unit	3,918.71	04
281203	59	Complete manifold brass HCM-G 12 WM	1 unit	3,847.05	04
281302	59	Complete manifold brass HCM-G 13 FM	1 unit	4,341.94	04
281303	59	Complete manifold brass HCM-G 13 WM	1 unit	4,248.89	04
281402	59	Complete manifold brass HCM-G 14 FM	1 unit	4,649.04	04
281403	59	Complete manifold brass HCM-G 14 WM	1 unit	4,555.99	04
281502	59	Complete manifold brass HCM-G 15 FM	1 unit	4,955.09	04
281503	59	Complete manifold brass HCM-G HKV-G 15 WM	1 unit	4,862.04	04

Geniix complete electro-manifold					
Item No.	Page	Product description	PU	Price €/unit	PG
572070	61	Geniix complete electro-manifold FM	1 unit	1,853.65	04
572071	61	Geniix complete electro-manifold FM	1 unit	1,834.70	04
572072	61	Geniix complete electro-manifold FM	1 unit	1,927.40	04
572073	61	Geniix complete electro-manifold FM	1 unit	1,908.45	04
572074	61	Geniix complete electro-manifold WM	1 unit	on request	04
572083	61	Geniix complete electro-manifold WM	1 unit	1,995.58	04
572084	61	Geniix complete electro-manifold WM	1 unit	1,976.63	04

Recommended retail price

# Prices Geniax heat distribution system

Pump adapter, pump, electronics					
Item No.	Page	Product description	PU	Price €/unit	PG
2115496	60	Geniax Adapter Set Inline	1 unit	83.85	04
2117514	60	Geniax Adapter H-Inline	1 unit	86.84	04
2117515	60	Geniax Adapter H-Angle (pump right)	1 unit	87.95	04
2117516	60	Geniax Adapter H-Angle (pump left)	1 unit	86.16	04
2132813	60	Geniax Adapter Set Corner right	1 unit	73.31	04
2132814	60	Geniax Adapter Set Corner left	1 unit	73.31	04
2132815	60	Geniax Adapter Set Corner right/left (alternate)	1 unit	73.31	04
2132816	60	Geniax Adapter Set Corner left/right (alternate)	1 unit	73.31	04
2132817	60	Geniax Adapter Set Angle right	1 unit	73.31	04
2132818	60	Geniax Adapter Set Angle left	1 unit	73.31	04
2132819	60	Geniax Adapter Set Angle right/left (alternate)	1 unit	73.31	04
2132820	60	Geniax Adapter Set Angle left/right (alternate)	1 unit	73.31	04
2097372	61	Geniax Pump electronics	1 unit	85.45	04
2107484	61	Geniax Pump 1.0	1 unit	122.84	04
2115497	61	Geniax Adapter Set for manifold	1 unit	91.55	04

Management					
Item No.	Page	Product description	PU	Price €/unit	PG
2097374	62	Geniax BUS Coupler	1 unit	204.43	04
2098647	62	Geniax Power Supply 2,5A	1 unit	62.96	04
2099206	62	Geniax Power Supply 4,2A	1 unit	83.73	04
2105645	62	Geniax BACnet Module	1 unit	1,170.58	04
2125135	62	Geniax Server 2.0	1 unit	896.88	04
2137532	62	Geniax KNX Coupler	1 unit	659.83	04
2137533	62	Geniax UGW KNX	1 unit	643.75	04
2137540	62	Geniax UGW KNX extensions to another protocol driver	1 unit	454.06	04
2137560	62	Geniax UGW BACnet	1 unit	474.24	04
2901701	62	Geniax UGW KNX extensions to 200 data points	1 unit	418.13	04
2901702	62	Geniax UGW KNX extensions to 500 data points	1 unit	937.56	04
2901703	62	Geniax UGW KNX extensions to 1,000 data points	1 unit	1,148.39	04
2901704	62	Geniax UGW BACnet extensions to 200 data points	1 unit	418.13	04
2901705	62	Geniax UGW BACnet extensions to 500 data points	1 unit	937.56	04
2901706	62	Geniax UGW BACnet extensions to 1,000 data points	1 unit	1,148.39	04

Recommended retail price

# Prices Geniax heat distribution system

Operation					
Item No.	Page	Product description	PU	Price €/unit	PG
2104099	63	Geniax Ambient Sensor	1 unit	99.68	04
2104100	63	Geniax Basic Control	1 unit	128.93	04
2104104	63	Geniax Central Control	1 unit	140.09	04
2122546	63	Geniax Licence key	1 unit	131.14	04
2122547	63	Geniax Licence key Pro	1 unit	110.64	04
2131230	63	Geniax Ambient Sensor i	1 unit	74.87	04

Design accessories					
Item No.	Page	Product description	PU	Price €/unit	PG
2101230	64	Geniax Design Cover L	1 unit	11.83	04
2101232	64	Geniax Design Cover M	1 unit	8.58	04
2104098	64	Geniax Design Cover Elektronik	1 unit	10.66	04
2117408	64	Geniax Design Cover S	1 unit	13.09	04
2132821	64	Geniax Design Cover MC	1 unit	13.41	04
2132822	64	Geniax Design Cover SC	1 unit	6.41	04

System accessories					
Item No.	Page	Product description	PU	Price €/unit	PG
2098646	65	Geniax Reducing double nipple R 1/2 x R 3/4	1 unit	2.15	04
2098649	65	Geniax Eurokonus levelling piece	1 unit	2.24	04
2101233	65	Geniax Immersion sleeve	1 unit	9.02	04
2101235	65	Geniax Flow temperature sensor for heating circuits	1 unit	8.52	04
2101237	65	Geniax Surface sensor for underfloor heating	1 unit	19.07	04
2101238	65	Geniax External temperature sensor	1 unit	23.08	04
2115498	65	Geniax NRV set	1 unit	8.30	04
2115889	65	Geniax Assembly aid	1 unit	21.70	04
2132766	65	Geniax BUS tester	1 unit	55.93	04

Recommended retail price

# Prices Geniax heat distribution system

Heatfixx					
Item No.	Page	Product description	PU	Price €/unit	PG
2115889	67	Geniax Assembly aid	1 unit	21.70	04
2139419	67	Geniax Heatfixx flush-mounted assembly set	1 unit	620.32	04
2139420	67	Geniax Heatfixx wall-mounted assembly set	1 unit	519.02	04
2140204	67	Geniax Heatfixx Adapter Inline and Design Cover M	1 unit	50.59	04
2140205	67	Geniax Heatfixx Adapter Corner right and Design Cover MC	1 unit	77.50	04
2140206	67	Geniax Heatfixx Adapter Corner left and Design Cover MC	1 unit	72.28	04
2140207	67	Geniax Heatfixx Adapter H-Inline and Design Cover L	1 unit	91.06	04
2140208	67	Geniax Heatfixx Adapter H-Angle right and Design Cover L	1 unit	91.90	04
2140209	67	Geniax Heatfixx Adapter H-Angle left and Design Cover L	1 unit	82.84	04
2145119	67	Geniax Heatfixx Adapter Angle right and Design Cover MC	1 unit	67.16	04
2145120	67	Geniax Heatfixx Adapter Angle left and Design Cover MC	1 unit	68.82	04

Service					
Item No.	Page	Product description	PU	Price €	PG
572061	68	Geniax KNX (2137532) configuration	1 unit	105.00/unit	05
572065	68	Configuration Geniax Server < 50 pumps	1 unit	210.00/unit	05
572066	68	Configuration Geniax Server < 100 pumps	1 unit	420.00/unit	05
572067	68	Configuration Geniax Server > 100 pumps	1 hr	105.00/hr	05
2120425	68	Geniax BACnet (2105645) configuration	1 unit	660.00/unit	05
2137530	68	Geniax UGW KNX/BACnet (2137533 + 2137560) configuration	1 hr	105.00/hr	05
572060	69	Commissioning Geniax Server	1 hr	105.00/hr	05
572081	69	Travel expenses	1 km	2.00/km	05
2120426	69	Commissioning KNX/BACnet	1 hr	105.00/hr	05
2120428	69	Geniax support	1 hr	105.00/hr	05

**NOTE** Commissioning and function check by trained customer service technicians within Germany. The prices apply to properly installed systems.

The prices quoted, plus VAT at the statutory rate, do not include any costs for materials that may be required. Please note that services (PG 05) are generally not eligible for discounts or cash discounts.

Recommended retail price

# Prices Control technology

Actuators and Standard Heating					
Item No.	Page	Product description	PU	Price €/unit	PG
550101	70	DDC actuator 24V	1 unit	136.22	01
<del>552309</del>	<del>70</del>	<del>Economy actuator 230V</del>	<del>20 units</del>	<del>28.11</del>	<del>01</del>
<del>552310</del>	<del>70</del>	<del>Economy actuator 24V</del>	<del>10 units</del>	<del>30.21</del>	<del>01</del>
553120	70	Man Open actuator 230V	20 units	26.97	01
553140	70	Man Open actuator 24V	10 units	26.97	01
572308	71	Room operating unit 230V display heating	1 unit	74.02	01
572307	71	Room operating unit 24V display heating	1 unit	79.20	01
574103	71	Room operating unit 230V analogue heating	1 unit	36.54	01
574105	71	Room sensor 230V heating	1 unit	91.12	01
574133	71	Room operating unit 24V analogue heating	1 unit	36.57	01
572890	72	Cover frame, white	1 unit	18.02	01
572333	72	Regulator terminal strip 6 zones 230V heating	1 unit	106.85	01
572334	72	Regulator terminal strip 10 zones 230V heating	1 unit	133.67	01
572343	72	Regulator terminal strip 6 zones 24V heating	1 unit	221.36	01
572344	72	Regulator terminal strip 10 zones 24V heating	1 unit	248.18	01

Balance control terminal strip Heating/Cooling					
Item No.	Page	Product description	PU	Price €/unit	PG
574113	73	Balance control terminal strip heating/cooling	1 unit	492.17	01

Standard plus Heating/Cooling					
Item No.	Page	Product description	PU	Price €	PG
574101	74	Room operating unit 230V analogue heating/cooling	1 unit	91.82/unit	01
574102	74	Room operating unit 230V display heating/cooling	1 unit	205.10/unit	01
574131	74	Room operating unit 24V analogue heating/cooling	1 unit	79.02/unit	01
574132	74	Room operating unit 24V display heating/cooling	1 unit	205.10/unit	01
584022	74	Floor sensors (NTC) 0-50 °C as accessories f. 574102, 574132	1 unit	45.35/unit	01
572890	75	Cover frame, white	1 unit	18.02/unit	01
574111	75	Regulator terminal strip 6 zones 230V heating/cooling	1 unit	144.48/unit	01
574112	75	Regulator terminal strip 10 zones 230V heating/cooling	1 unit	162.31/unit	01
574141	75	Regulator terminal strip 6 zones 24V heating/cooling	1 unit	265.42/unit	01
574142	75	Regulator terminal strip 10 zones 230V heating/cooling	1 unit	275.45/unit	01
902600	75	Top-hat rail, length 400mm with 2 screws	1 set	15.77/set	01



# Prices Control technology

Radio					
Item No.	Page	Product description	PU	Price €	PG
585014	77	4-zone radio base station, 230V, 868MHz	1 unit	525.70/unit	01
585015	77	8-zone radio base station, 230V, 868MHz	1 unit	590.49/unit	01
585016	77	12-zone radio base station, 230V, 868MHz	1 unit	716.29/unit	01
585017	77	1-zone radio base station, 230V, 868MHz	1 unit	405.80/unit	01
902600	77	Top-hat rail, length 400mm with 2 screws	1 set	15.77/set	01

Exclusiv radio with Ethernet connection					
Item No.	Page	Product description	PU	Price €	PG
585011	78	4-zone Ethernet base station, 230V, 868MHz	1 unit	655.31/unit	01
585012	78	8-zone Ethernet base station, 230V, 868MHz	1 unit	720.17/unit	01
585013	78	12-zone Ethernet base station, 230V, 868MHz	1 unit	845.91/unit	01
902600	78	Top-hat rail, length 400mm with 2 screws	1 set	15.77/set	01

Accessories for Radio and Exclusiv radio					
Item No.	Page	Product description	PU	Price €/unit	PG
572890	79	Cover frame, white	1 unit	18.02	01
585001	79	Radio room operating unit with display, 868MHz	1 unit	155.59	01
585002	79	Radio room operating unit without display, 868MHz	1 unit	126.36	01
585003	79	Radio room sensor, 868MHz	1 unit	143.88	01

Exclusiv BUS with Ethernet connection					
Item No.	Page	Product description	PU	Price €/unit	PG
572890	80	Cover frame, white	1 unit	18.02	01
575001	80	Room operating unit BUS with display	1 unit	155.59	01
575002	80	Room operating unit BUS without display	1 unit	113.04	01
575003	80	Room sensor BUS	1 unit	128.71	01
575042	80	Base station BUS 8-zone 24V	1 unit	785.00	01

Accessories for Radio, Exclusiv radio and BUS					
Item No.	Page	Product description	PU	Price €	PG
560301	81	Dew point monitor 230V in combin. with 560302 or 560303	1 unit	425.84/unit	01
560302	81	Dew point sensor type 2	1 unit	165.68/unit	01
560303	81	Dew point sensor type 3	1 unit	141.07/unit	01
585020	81	Internal humidity monitor sensor, 24V	1 unit	422.62/unit	01
585021	81	External humidity monitor sensor, 24V	1 unit	612.59/unit	01
585022	81	Repeater with plug-in power supply, 1.5m cable length	1 unit	322.13/unit	01
585023	81	External antenna activ, with connection cable 5m	1 unit	292.59/unit	01
902600	81	Top-hat rail, length 400mm with 2 screws	1 set	15.77/set	01

Recommended retail price

# Prices Flat transfer stations

## Basic version complete station with brass manifold, version 2.0

Item No.	Page	Product description	PU	Price €/unit	PG
ÜMS05WT2K16SB20UP6	84	HCM-D 5, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS06WT2K16SB20UP6	84	HCM-D 6, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS07WT2K16SB20UP6	84	HCM-D 7, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS08WT2K16SB20UP6	84	HCM-D 8, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS09WT2K16SB20UP6	84	HCM-D 9, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS10WT2K16SB20UP8	84	HCM-D 10, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS11WT2K16SB20UP8	84	HCM-D 11, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS12WT2K16SB20UP8	84	HCM-D 12, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜMS13WT2K16SB20UP8	84	HCM-D 13, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07

## Basic version complete station with stainless steel manifold, series 03

Item No.	Page	Product description	PU	Price €/unit	PG
ÜES05WT2K16SB20UP6	85	HCM-D 5, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES06WT2K16SB20UP6	85	HCM-D 6, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES07WT2K16SB20UP6	85	HCM-D 7, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES08WT2K16SB20UP6	85	HCM-D 8, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES09WT2K16SB20UP8	85	HCM-D 9, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES10WT2K16SB20UP8	85	HCM-D 10, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES11WT2K16SB20UP8	85	HCM-D 11, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07
ÜES12WT2K16SB20UP8	85	HCM-D 12, HE 37kW Cu, FM850, RTS230-HK6/15, ACT	1 unit	on request	07

## Basic version complete station with stainless steel manifold, series 03 Balance

Item No.	Page	Product description	PU	Price €/unit	PG
ÜBE05WT2K16SB20UP6	86	HCM-D 5, HE 37kW Cu, FM610, RTS230-HC6/15, ACT	1 unit	on request	07
ÜBE06WT2K16SB20UP6	86	HCM-D 6, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE07WT2K16SB20UP6	86	HCM-D 7, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE08WT2K16SB20UP6	86	HCM-D 8, HE 37kW Cu, FM610, RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE09WT2K16SB20UP8	86	HCM-D 9, HE 37kW Cu, <b>FM850</b> , RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE10WT2K16SB20UP8	86	HCM-D 10, HE 37kW Cu, <b>FM850</b> , RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE11WT2K16SB20UP8	86	HCM-D 11, HE 37kW Cu, <b>FM850</b> , RTS230-HK6/15, ACT	1 unit	on request	07
ÜBE12WT2K16SB20UP8	86	HCM-D 12, HE 37kW Cu, <b>FM850</b> , RTS230-HK6/15, ACT	1 unit	on request	07

## Commissioning

Item No.	Page	Product description	PU	Price €	PG
EM999026	89	Commissioning of 1-3 stations	1 unit	on request	05
EM999026	89	Commissioning of 4-9 stations	1 unit	on request	05
EM999026	89	Commissioning from 10 stations	1 unit	on request	05
572060	89	Commissioning Geniux Server	1 hr	on request	05

Recommended retail price

# Prices Flat transfer stations

## Basic version complete station with brass manifold Geniux

Item No.	Page	Product description	PU	Price €/unit	PG
ÜGM05WT2Z5UP8	87	HCM-G 5+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM06WT2Z5UP8	87	HCM-G 6+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM07WT2Z5UP8	87	HCM-G 7+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM08WT2Z5UP8	87	HCM-G 8+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM09WT2Z5UP8	87	HCM-G 9+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM10WT2Z5UP8	87	HCM-G 10+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGM11WT2Z5UP8	87	HCM-G 11+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07

## Basic version complete station with stainless steel manifold Geniux

Item No.	Page	Product description	PU	Price €/unit	PG
ÜGE05WT2Z5UP8	88	HCM-G 5+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGE06WT2Z5UP8	88	HCM-G 6+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGE07WT2Z5UP8	88	HCM-G 7+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGE08WT2Z5UP8	88	HCM-G 8+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGE09WT2Z5UP8	88	HCM-G 9+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07
ÜGE10WT2Z5UP8	88	HCM-G 10+TS, HE 37kW Cu, FM850, CS 2,5A	1 unit	on request	07

## Additional price item

Item No.	Page	Product description	PU	Price €/unit	PG
WTI	89	* Circulation set, consisting of pump, non-return valve and safety valve	1 unit	on request	07
UP850	89	* UP manifold cabinet 850 mm (instead of 610) always necessary in combination with circulation set!	1 unit	on request	07
K11	89	Control terminal strip with pump logic for 10 heating zones/ 18 actuators (instead of 6 zones)	1 unit	on request	07
K18	89	Control terminal strip with pump logic for 8 heating zones/ 17 actuators (instead of 6 zones)	1 unit	on request	07
SB30	89	Actuator with "Man Open" mounting aid, normally closed (instead of actuator "Economy")	1 unit	on request	07
Z3	89	Controller, weather-compensated (APP operation) with outdoor and flow contact sensor, 3-point actuator, 230V with adapter	1 unit	on request	07
Z4	89	Room control unit 230 V with display, with setback output and adjustable time programme (clock thermostat)	1 unit	on request	07
WT4	89	* 45 kW heat exchanger capacity, Cu brazed (instead of 37 kW Cu brazed)	1 unit	on request	07
WT6	89	* 55 kW heat exchanger capacity, Cu brazed (instead of 37 kW Cu brazed)	1 unit	on request	07
WT3	89	* 37 kW heat exchanger capacity, stainless steel brazed (instead of 37 kW Cu brazed)	1 unit	on request	07
WT5	89	* 45 kW heat exchanger capacity, stainless steel brazed (instead of 37 kW Cu brazed)	1 unit	on request	07
WT7	89	* 51 kW heat exchanger capacity, stainless steel brazed (instead of 37 kW Cu brazed)	1 unit	on request	07



\* Items must be specified when ordering, as they are pre-assembled at the factory and cannot be retrofitted or converted!

Recommended retail price

# Prices Industry solutions

XXL-Industry and concrete core tempering (CCT)					
Item No.	Page	Product description	PU	Price €	PG
900302	90	Bare pipe mat 100	1 unit	6.89/m <sup>2</sup>	01
900310	90	Bare pipe mat 150	1 unit	7.62/m <sup>2</sup>	01
908155	90	Edge insulation strips XXL-Industry, 10x250mm	Ro 50 m	280.00/100 m	01
270520	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 5	1 unit	626.80/unit	01
270525	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 5	1 unit	803.03/unit	01
270620	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 6	1 unit	713.44/unit	01
270625	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 6	1 unit	926.24/unit	01
270720	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 7	1 unit	801.03/unit	01
270725	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 7	1 unit	1,047.73/unit	01
270820	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 8	1 unit	891.13/unit	01
270825	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 8	1 unit	1,169.34/unit	01
270920	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 9	1 unit	978.66/unit	01
270925	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 9	1 unit	1,290.85/unit	01
271020	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 10	1 unit	1,066.12/unit	01
271025	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 10	1 unit	1,414.05/unit	01
271120	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 11	1 unit	1,153.66/unit	01
271125	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 11	1 unit	1,535.19/unit	01
271220	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 12	1 unit	1,241.00/unit	01
271225	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 12	1 unit	1,665.71/unit	01
271320	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 13	1 unit	1,330.39/unit	01
271325	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 13	1 unit	1,778.29/unit	01
271420	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 14	1 unit	1,436.95/unit	01
271425	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 14	1 unit	1,900.55/unit	01
271520	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 15	1 unit	1,524.48/unit	01
271525	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 15	1 unit	2,021.52/unit	01
271620	91	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 16	1 unit	1,611.72/unit	01
271625	91	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 16	1 unit	2,142.54/unit	01

System accessories XXL-Industry and concrete core tempering (CCT)					
Item No.	Page	Product description	PU	Price €	PG
900045	92	Mat connector/pipe connector 120mm	Bag 1.000 units	27.55/bag	01
900046	92	Mat connector/pipe connector 180mm	Bag 1.000 units	23.64/bag	01
912000	92	Mounting clips 20mm universal	Bag 100 units	17.00/bag	01
912506	92	Mounting clips 25mm for 6mm wire thickness	Bag 100 units	35.00/bag	01
912508	92	Mounting clips 25mm for 8mm wire thickness	Bag 100 units	35.00/bag	01
914817	92	Pipe holder 4,8x170mm	100 units	0.07/unit	01
914818	92	Pipe holder 7,8x290mm	100 units	0.17/unit	01
990046	92	Drill tool	1 unit	net 35.41/unit	02
520026	93	Zone valve 1" with screw connection and actuator	1 unit	130.94/unit	01
902020	93	Angle brace 90° open, for pipes up to max. 20mm	Bag 10 units	2.27/unit	01
902426	93	Angle brace 90° open, for pipes up to max. 25mm	Bag 10 units	3.60/unit	01
912002	93	Clip rail 20mm, laying grid 50 mm, length 2m	1 unit	7.38/m	01
912502	93	Clip rail 25mm, laying grid 100 mm, length 2m	1 unit	8.18/m	01
918410	93	Expansion joint protective pipe 400mm slotted	Bag 5 units	1.85/unit	01
918510	93	Expansion joint protective pipe 25m unslotted	1 Ro	2.20/m	01
918610	93	Expansion joint protective pipe 25m slotted	1 Ro	2.62/m	01
990050	93	Binding machine Exclusiv	1 unit	net 4,110.39/unit	02
990051	93	Wire reel for binding machine	1 Ro	net 5.12/ro	02
990052	93	Binding machine loan unit	1 unit	net 4,110.39/unit	02

# Prices Sports floor heating

Sports floor heating					
Item No.	Page	Product description	PU	Price €	PG
912002	94	Clip rail 20mm, laying grid 50 mm, length 2m	1 unit	7.38/m	01
912502	94	Clip rail 25mm, laying grid 100 mm, length 2m	1 unit	8.18/m	01
914920	94	Pipe guide rail for pipe 20x2,0mm	1 unit	22.13/unit	01
914925	94	Pipe guide rail for pipe 25x2,3mm	1 unit	27.73/unit	01
270520	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 5	1 unit	626.80/unit	01
270525	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 5	1 unit	803.03/unit	01
270620	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 6	1 unit	713.44/unit	01
270625	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 6	1 unit	926.24/unit	01
270720	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 7	1 unit	801.03/unit	01
270725	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 7	1 unit	1,047.73/unit	01
270820	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 8	1 unit	891.13/unit	01
270825	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 8	1 unit	1,169.34/unit	01
270920	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 9	1 unit	978.66/unit	01
270925	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 9	1 unit	1,290.85/unit	01
271020	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 10	1 unit	1,066.12/unit	01
271025	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 10	1 unit	1,414.05/unit	01
271120	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 11	1 unit	1,153.66/unit	01
271125	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 11	1 unit	1,535.19/unit	01
271220	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 12	1 unit	1,241.00/unit	01
271225	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 12	1 unit	1,665.71/unit	01
271320	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 13	1 unit	1,330.39/unit	01
271325	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 13	1 unit	1,778.29/unit	01
271420	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 14	1 unit	1,436.95/unit	01
271425	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 14	1 unit	1,900.55/unit	01
271520	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 15	1 unit	1,524.48/unit	01
271525	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 15	1 unit	2,021.52/unit	01
271620	95	Industrial manifold XXL-D for pipe 20x2,0 HCM-D 16	1 unit	1,611.72/unit	01
271625	95	Industrial manifold XXL-D for pipe 25x2,3 HCM-D 16	1 unit	2,142.54/unit	01

Recommended retail price

eparkstation epoint charging system and software					
Item No.	Page	Product description	PU	Price €	PG
99515001	97	Wall box epoint11, AC, 11kW, 4m cable with type 2 plug	1 unit	631.63	08
99515003	97	Wall box epoint WB 2.0, 22kW	1 unit	on request	08
99515004	97	Wall box epoint WB 2.1, 22kW with external plug box	1 unit	on request	08
99515005	98	Charging point epoint LP 5.0, 22kW	1 unit	on request	08
99515002	98	Charging station epoint LS 5.0 with 1-2 charging points, 22 kW	1 unit	on request	08
99515200	98	Flat rate for subsidy application consultation	1 unit	on request	08
99515101	99	eparkstation software system	1 unit	on request	08

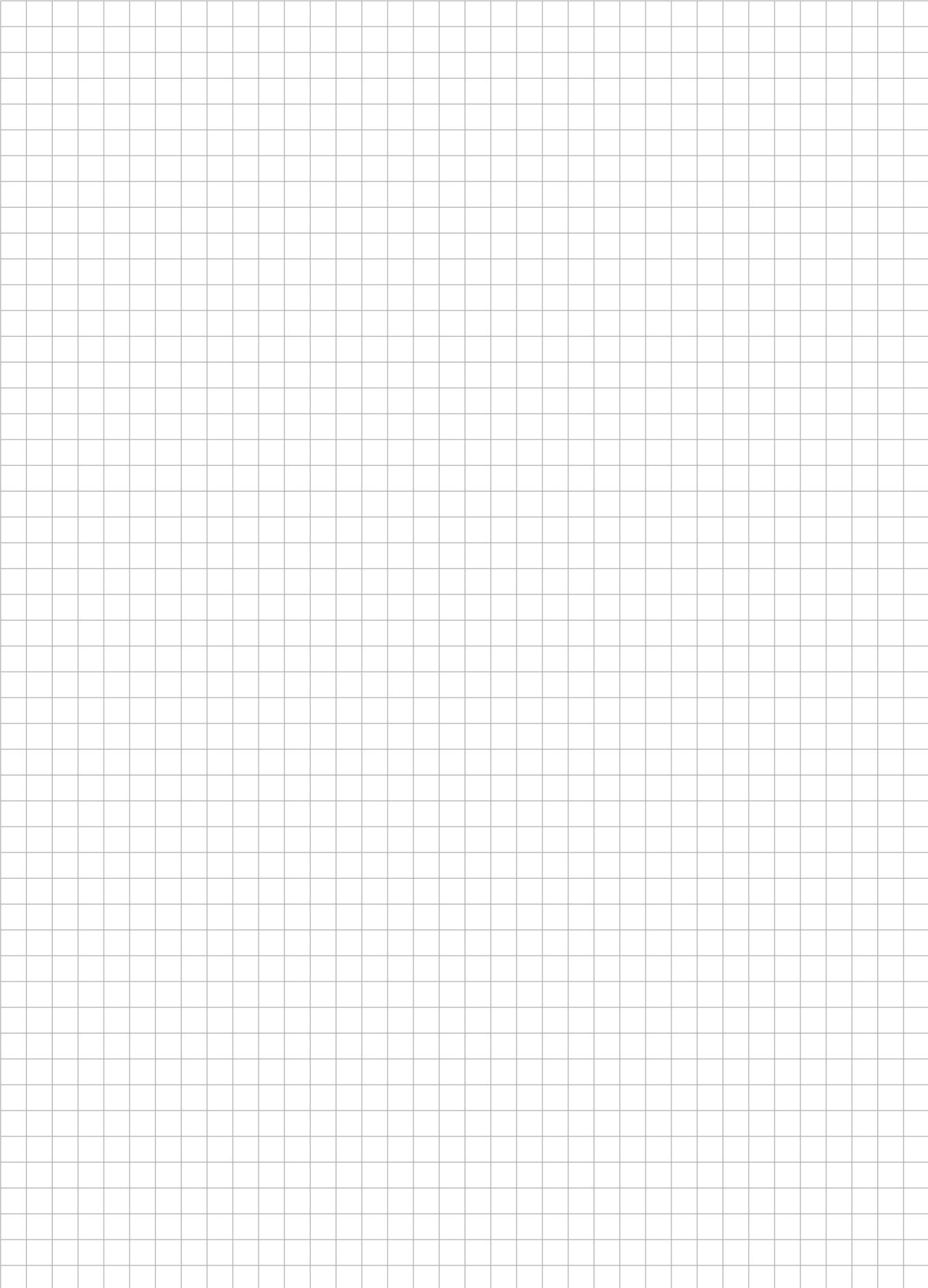
## Prices Services

Heat load calculation				
Item No.	Page	Product description	PU	Price €
EM991114	102	Heating load calculation/interpretation of the surface heating system	1 m <sup>2</sup>	1.25/m <sup>2</sup>

### NOTE

For the areas to be calculated according to the standard, 1.25 €/m<sup>2</sup> will be invoiced. The invoice is issued by EMPUR® Produktions GmbH. A reimbursement of 0.60 €/m<sup>2</sup> will be made if all EMPUR® components offered are used in the area of the surface heating. The object-related delivery notes must be submitted as proof.

# Prices Notes

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, intended for taking notes.





# General Terms and Conditions

## General conditions of sale and delivery for EMPUR® Produktions GmbH, last revised: 2019, january

### Section 1

#### Scope of Application

Each and every contract is concluded solely and exclusively on the basis of the General Terms and Conditions of Sale, Supply and Payment of EMPUR®. EMPUR® does not accept the Buyer's contrary or deviating terms and conditions unless EMPUR® has expressly agreed to their application in writing. EMPUR®'s terms and conditions of sale apply even if delivery is made to the Buyer without reservation in awareness of Buyer's contrary or deviating terms and conditions of purchasing. EMPUR®'s General Terms and Conditions of Sale, Supply and Payment apply to any future transactions with the Buyer even if no express reference to their application is made during the conclusion of future contracts.

### Section 2: Conclusion and Content of Contract

1. EMPUR®'s sales offers are subject to change. The Buyer is required to submit an order within a period of 4 weeks. The contract is concluded by EMPUR®'s issue of an order confirmation within this period or by a delivery undertaken immediately in response to the order. The requirement of written form is satisfied by the transmission of order confirmations using web-based technology and/or fax. Oral agreements or oral modifications of or amendments to orders are not legally effective unless expressly confirmed in writing by EMPUR®. EMPUR® is entitled to give notification in its order confirmation of any deviations from the order which the Buyer can reasonably be expected to accept. Any such deviations become binding on both Parties unless the Buyer submits written objection to the content of the order confirmation no later than 12 days after its dispatch. In the event such objection is raised, EMPUR® is entitled to cancel the contract by sending a written statement to this effect within a further period of 12 days; any and all claims to damage compensation are excluded.

2. Rescheduling of an order which has effectively been concluded is possible only by mutual agreement.

3. EMPUR® is entitled to immediately cancel the contract, in whole or in part:  
– If and when the effects of force majeure (natural disaster, civil unrest, war, government actions, transport disruptions, strikes, lock-outs, operational disruptions) interfere long-term with fulfilment of the contract;  
– If and when EMPUR® does not receive supplies from its own suppliers and is not accountable for the supply failure;  
– If and when a petition for the initiation of bankruptcy proceedings (or equivalent proceedings according to local law) against the Buyer's assets is filed.

### Section 3: Place of Performance

1. The supply and shipment of the goods is made from EMPUR®'s company headquarters. The Buyer will be billed costs for freight, packaging, shipping and unloading only for a net product value of less than €3,950.00 unless the Parties have otherwise agreed.

2. EMPUR® is entitled to make partial deliveries and to issue separate invoices for such deliveries.

3. EMPUR® will package the goods properly.

4. The regulations of the INCOTERMS as most recently revised (EXW) apply as a supplement to deliveries outside of Germany.

### Section 4: Delivery Period

1. Compliance with agreed delivery times presumes the receipt in good time of any and all documents, necessary permits and releases to be provided by the Buyer, in particular, but not limited to, plans, as well as the Buyer's compliance with the agreed terms and conditions of payment. If these prerequisites are not fulfilled in good time, the delivery times will be extended by a reasonable period unless EMPUR® is accountable for the delays.

2. The day on which the Seller gives notification of the readiness of the purchased goods for shipping is authoritative for determining that the delivery is in good time. If and when the goods are not accepted in due time through the Buyer's fault, EMPUR® may at its discretion, after setting a subsequent period of 10 days, either request immediate payment of the purchase price without regard for any agreed credit line (arrear invoice) or cancel the contract and request damages for non-fulfilment.

3. Agreed delivery periods will be extended by a reasonable period in cases of force majeure, industrial actions and other operational disruptions for which EMPUR® is not accountable or in cases of delay in the delivery of essential preliminary materials if the hindrance continues for more than one week. The delivery period will be extended by the duration of the hindrance, but by no longer than 8 weeks plus subsequent delivery period. EMPUR® is obligated to notify the Buyer without delay of the reason for the hindrance as soon as it can be seen that compliance with the agreed delivery periods will not be possible. If a hindrance continues for a period in excess of 5 weeks, both of the Parties have the right to cancel the contract. However, the Buyer's right to cancel the contract must be announced in writing no less than 2 weeks before it is exercised.

### Section 5. Subsequent Delivery Period and Damage Caused by Delay

1. Upon expiration of the agreed delivery period, a subsequent delivery period of 14 days will commence without further declaration, unless the provisions of Section 4 (3) apply. Upon expiration of this subsequent delivery period, the Buyer is entitled to set in writing a subsequent period of 4 weeks for EMPUR®. Upon expiration of this period, the Buyer is entitled to withdraw from the contract, provided that it has announced this intention when setting the subsequent period. If no such statement was made when the subsequent period was set, EMPUR® will, at its discretion, be released from the obligation to make delivery upon expiration of this period if and when the Buyer has not stated, upon being asked, within the subsequent period whether it insists on fulfilment of the contract.

2. No fixed-date transactions are concluded.

3. EMPUR® is liable for damage or loss claimed by the Buyer in the event of delays in delivery, including claims for the reimbursement of expenses pursuant to Section 284 BGB [German Civil Code], only if and when it caused the delay in delivery through wilful intent or gross negligence. The above exclusion of liability does not apply in cases of injury to life, body or health, of breach of legally binding warranties and of fraudulent behaviour and gross culpability. In all other respects, compensation claims based on the breach of material obligations of the contract are limited to the foreseeable damage or loss typical of the contract and to 50% of the foreseeable damage or loss in cases of slight negligence unless the possibility of a greater damage or loss was pointed out to EMPUR® at the time the order was placed.

### Section 6: Acceptance Obligation

If the Buyer does not accept the goods, announces its refusal to accept before delivery is made or returns delivered goods without justification, or if EMPUR® is entitled to refuse delivery in accordance with Section 11, EMPUR® has the right to request that the Buyer fulfil the contract within a period of 12 days. The Buyer bears the costs incurred for storage, insurance and any other protective measures resulting from the delay in acceptance. EMPUR® is entitled to bill these costs in the lump-sum amount of 0.5% of the order value for each and every week of delay, limited, however, in the aggregate to 5% of the order value. Upon expiration of this period, EMPUR® is entitled to dispose otherwise of the goods and to bill the suffered loss or damage as a lump sum of 33% of the agreed purchase price or, at its discretion, to assert the loss in earnings which it has verifiably actually suffered. The Buyer is entitled to prove that loss or damage actually suffered was lower.

### Section 7: Examination for Defects

1. The Buyer is obligated to inspect the goods immediately after their receipt and to submit notification of any defects – including the delivery of goods in deviation from the order – within a preclusion period of 7 days after receipt of the goods. In the event of hidden defects, the period commences upon their discovery. EMPUR®'s field representatives are not authorised to accept complaints of defects. Upon expiration of the period, any complaints – including recourse pursuant to Section 478 BGB – are excluded. The above provision also applies in cases in which the Buyer has modified the delivered goods.

### Section 8: Liability for Defects

1. Deviations in quality, dimensions or weights that are usual in trade or technically unavoidable do not qualify as defects. Manufacturer's public statements, promotions or advertising do not qualify as agreements regarding characteristics.

2. If and when the Buyer has proved that it fulfilled its obligations pursuant to Section 377 HGB [German Commercial Code], EMPUR® has the right, at its discretion, in cases of legitimate complaints to carry out subsequent improvement or substitute delivery. EMPUR® is entitled to subsequent performance within a period of 2 months after return of the defective purchased goods. The Buyer's warranty rights are forfeit if and when, in the event of a complaint, it does not make the goods available to EMPUR® despite the latter's express request within a period of 10 days. If and when the subsequent performance has failed, the Buyer is entitled either to cancel the contract or to reduce the purchase price; this option is limited, however, to the goods about which complaint was made.

3. There are no claims due to material defects for natural wear and tear of the purchased goods or due to damage occurring after the passing of risk as a consequence of incorrect or negligent handling, overuse or unsuitable operating materials or arising from unusual external influences that were not foreseen in the contract. If the Buyer or third parties undertake improper modifications or repair work, there are also no claims due to defects for these and the resulting consequences. The following circumstances also result in the exclusion of warranty and liability claims:  
– Improper use of the purchased goods  
– Improper installation, commissioning, operation and maintenance of the purchased goods  
– Failure to observe the information in the operating instructions regarding transport, storage, installation, commissioning, operation, maintenance  
– Unauthorised construction changes  
– Effects of force majeure

4. If the complaint of defects proves to be unjustified, the Buyer is obligated to reimburse any expenditures incurred by the complaint (transport costs, inspection costs etc.).

5. If the Buyer has installed the defective product in another object or attached it to another object in accordance with its character and intended purpose, EMPUR® is entitled to point out to the Buyer the reimbursement for expenses pursuant to Section 439 (3) BGB in addition to the liability for the defective purchased product. Reworking by the Seller instead is subject to agreement. The expenses within the sense of Section 439 (3) BGB do not include the costs that result because parts that do not belong to the delivered product are destroyed, in whole or in part, during the installation and removal, unless it can be proved that the Seller acted culpably within the sense of wilful intent or gross negligence.

6. In the event that the costs for subsequent improvement are unreasonable, EMPUR® is entitled to refuse to carry out the subsequent performance or the type of subsequent performance as well as the claim to reimbursement of expenses pursuant to Section 439 (4) BGB.

7. If transport, road, labour and material costs increase because the purchased product has been conveyed to a site other than the contractually agreed destination, the resulting increase in the expenses will not be borne by EMPUR®.

8. There are no warranty claims for parts subject to wear and tear.

9. The warranty period for new goods is 1 year as of the passing of risk. This period is a limitation period and also applies to the assertion of loss or damage which did not occur to the supplied goods themselves, presuming that any liability at all pursuant to Subsection 4 is to be assumed. Claims for actions in tort or for allegations of bad faith on the part of EMPUR® are subject to statutory limitation periods. There is a warranty for used or restored products solely if such a warranty has been specifically agreed; otherwise, any such warranty is excluded. If legal provisions prescribe longer warranty periods (e.g. Section 438 BGB), these periods apply.

10. In the event of legitimate complaints due to defects, the Buyer may retain payments solely in a scope that is in a reasonable relationship to the defects that have occurred and the subsequent improvement costs required for the remedy. If and when payment obligations beyond this scope are not fulfilled:

– EMPUR® is entitled to refuse subsequent performance until payment of the legitimate claim has been made;  
– Regress claims in accordance with Section 478 BGB are excluded.

# General Terms and Conditions

11. The Seller is liable additionally, pursuant to the provisions governing contracts for works in the BGB, for defects in the milling and installation work (laying of heating pipes and installation of the distributor) carried out by the affiliated company EM-solution within the framework of the CUT-THERM® modernisation. Liability for defects is excluded or restricted in the event of a breach by the end customer (heating engineer or installer) of the "General Notes and Information for the End Customer" provided to it by the Seller.

## Section 9: Limitation of Liability

If and when EMPUR®'s subsequent performance fails, the Buyer is not entitled to the assertion of any claims, regardless of the legal basis (including provisions concerning actions in tort), in excess of the rights pursuant to Section 437, nos. 2 and 3 BGB. EMPUR® is not liable for damage or loss which did not occur to the goods themselves or for lost profit or other pecuniary losses of the Buyer. To the extent that EMPUR®'s liability is excluded or limited, said exclusion or limitation also applies to the personal liability of its management, its permanent employees, worker representatives and vicarious agents. The indemnification from liability does not apply to injury to life, body or health; if and when loss or damage has been caused wilfully or through gross negligence; or, if EMPUR® has assumed a warranty of characteristics, or EMPUR® can be blamed for fraudulent behaviour. Moreover, it does not apply to claims asserted pursuant to Sections 1 and 4 of the German Product Liability Act. If and when EMPUR® is in breach of a cardinal obligation or other material obligation of the contract due to negligence, the compensation obligation is limited to the foreseeable damage or loss typical of the contract and to 50% of the foreseeable damage or loss in cases of slight negligence.

## Section 10: Payment

1. The invoice will be issued on the day of delivery or when the goods are made available. Invoices are payable net within 30 days. The Buyer is entitled to deduct a cash discount of 3% if payment is made within 8 days of the issue of the invoice and to deduct a cash discount of 2% if payment is made within 14 days of the issue of the invoice.
2. If and when EMPUR® shows the prices in foreign currency, they will not be affected by changes in the official exchange rate of the euro to the foreign currency. Payment in these cases must be made in the foreign currency and in the amount of the invoice. Bills of exchange or cheques are accepted only on account of performance.
3. When payment is made by cheque, the date of the redemption of the cheque is authoritative; when payment is made by bank transfer, the date the payment is credited to EMPUR®'s account is authoritative.
4. Payments are always attributed to settlement of the oldest due claim plus any default interest which has accrued to this claim.
5. EMPUR®'s prices are shown excluding legally applicable VAT. VAT in the statutory amount will be itemised in the invoice on the day of the issue of the invoice.
6. For transactions outside Germany, the purchase price must be paid in advance before shipment/provision of the goods.

## Section 11: Default of Payment

1. In the event of default of payment, EMPUR® is entitled to charge default interest in the amount of 9 percentage points over the base lending rate or to request compensation for verifiably higher loss or damage owing to the default.
2. EMPUR® has the additional rights shown below in the event of default of payment caused by exceeding the granted credit line:
  - a) EMPUR® is entitled to refuse to make further deliveries pursuant to current contracts. Delivery periods for current contracts which have not been fulfilled will be suspended, without specific notice, retroactively as of the time from the default of payment until full payment has been made.
  - b) EMPUR® is entitled to request immediate payment before delivery of the goods for any outstanding deliveries from any and all current contracts, any agreed credit lines notwithstanding.
  - c) EMPUR® is entitled to exercise the rights agreed in Section 13 (securing retention of title) and/or to cancel, in whole or in part, any and all current contracts.
3. EMPUR® is also entitled to the above-mentioned rights if a significant worsening of the Buyer's financial position occurs (e.g. suspension of payment to other parties, petition for bankruptcy, execution measures, protests to cheques or bills of exchange, closing of business).
4. In the event of default of payment, the Buyer must bear any and all costs and fees incurred by EMPUR®. Moreover, the Buyer must bear any and all costs EMPUR® incurs for the engagement of a German or foreign lawyer, including a correspondence lawyer.

## Section 12: Offset and Retention

The Buyer may offset counterclaims only if and when they are undisputed or have been finally adjudicated. The above provision also applies to a right of retention, provided that the Buyer is a merchant. If this is not the case, a right of retention may be asserted only if and when the counterclaim arises from the same contractual relationship.

## Section 13: Securing of Retention of Title

1. EMPUR® retains title of ownership to the goods (reserved goods) until full payment of any and all claims from the delivery of goods from the entire business relationship, including subsidiary claims, damage compensation claims and the redemption of cheques and bills of exchange. The retention of title also remains effective if and when individual claims have been assimilated into a current invoice and the balance has been determined and acknowledged.

2. Any processing or working undertaken by the Buyer is done on behalf of EMPUR®, but does not establish any obligations on EMPUR®. If and when reserved goods are processed, used and mixed with other goods that do not belong to EMPUR®, EMPUR® is entitled to a share of co-ownership in the new product in the ratio of the invoice value to the other processed goods at the time of the processing, use or mixture. If the Buyer acquires sole ownership of the new product, the Parties are in agreement that the Buyer will grant to EMPUR® a share of co-ownership in the new product in the ratio of the invoice value of the processed, combined or mixed reserved goods and will safeguard the new goods on EMPUR®'s behalf free of charge.
3. The Buyer is entitled to resell the goods in the ordinary course of its business. However, it assigns here and now any claims, including any and all subsidiary rights, arising from the resale of the reserved goods. EMPUR® accepts this assignment. The Buyer remains authorised to collect the assigned claims.
4. The Buyer is not authorised to utilise the reserved goods within the scope of global assignments to financing institutes or similar institutions or to pledge or assign them by way of security in any other fashion. The Buyer shall notify EMPUR® immediately in writing of any attachments or other seizures by third parties so that it is in a position to assert its rights in accordance with Section 771 ZPO [German Civil Procedure]. If and when the third party is not able to reimburse EMPUR® for court and out-of-court costs of a suit in accordance with Section 771 ZPO, the Buyer is liable for any loss or damage that is suffered.
5. In the event of breach of contract by the Buyer, in particular in case of default of payment, EMPUR® is entitled to cancel the contract and to take back the purchased goods. The Buyer agrees to this condition here and now. After reclaiming possession of the purchased goods, EMPUR® is entitled to utilise them, whereby the resulting loss or damage may be billed in accordance with Section 6.
6. If and when the value of EMPUR®'s collateral exceeds that of its claims by more than 20%, EMPUR® will, upon petition by the Buyer, release the excess collateral at its discretion.

## Section 14: Industrial Property Rights and Copyrights, Life Cycle Management Act

1. A review of any documents provided by the Buyer (templates, samples etc.) to determine whether they are subject to any third-party rights, in particular, but not limited to, copyrights and industrial property rights, is the sole and exclusive responsibility of the Buyer. If and when claims pursuant to any such rights are asserted against the Supplier, the Buyer is obligated to compensate the Supplier for any and all loss or damage suffered by the latter as a consequence.
2. Unless otherwise agreed, the Supplier is obligated to perform the delivery free of any and all third-party industrial property rights and copyrights (hereinafter: intellectual property rights) solely in the country of the delivery destination. If and when a third party asserts legitimate claims against the Buyer pursuant to an infringement on intellectual property rights by products delivered by the Supplier and used in accordance with the contract, the Supplier is liable within the period defined in Section VII (3) as follows:
  - a) The Supplier will, at its discretion and at his own expense, either obtain a utilisation right for the pertinent product, modify the product so that it no longer infringes on the intellectual property right or replace the product. If this is not possible under conditions that are reasonable for the Supplier, the Buyer is entitled to statutory rights of cancellation of the contract or reduction of the purchase price.
  - b) The Supplier's obligations described above apply to relationships between entrepreneurs solely if and when the Buyer notifies the Supplier without delay in writing about the claims asserted by the third party and does not acknowledge any infringement and any and all defence measures and settlement negotiations remain the sole responsibility of the Supplier.
  - c) If and when the Buyer suspends use of the products for the purpose of minimising loss or damage or for other good reasons, it is obligated to notify the third party that the suspension of the use of the products does not entail any acknowledgement of any infringement of intellectual property rights.

## Section 15: Proper Law

1. The Parties agree that any and all legal transactions will be governed by the laws of Germany. The application of the provisions of the UN Uniform Law on the International Sale of Goods for Movable Items is expressly excluded.
2. If and when goods are exported, EMPUR® is responsible for compliance with the relevant German legal provisions. Observance and performance of the relevant foreign trade legal provisions (e.g. import licences, currency transfer permits etc.) and any and all other laws applicable outside of Germany, including, but not limited to, those of the destination country, fall within the Buyer's purview.

## Section 16: Venue

If and when the Buyer is a merchant, the agreed venue for any disputes, including those related to bills of exchange and cheques, is the court having local jurisdiction for EMPUR®'s company headquarters Linz on the Rhine. However, EMPUR® is also entitled to file suit against the Buyer at the latter's registered place of business.

## Section 17: Severability and Subsidiary Agreements

1. If and when individual provisions of this contract, in whole or in part, should be invalid or later become invalid, the validity of the remaining provisions of the contract will not be affected. The above provision also applies if it is determined that there is an omission in the regulations of the contract. In lieu of the invalid or unenforceable provisions or to remedy the omission, a regulation will be deemed agreed that corresponds most closely in legally permissible form to the commercial intent of the invalid or unenforceable provision or, in the case of an omission, that takes into account the provision that the Parties would have wanted (in accordance with the sense and purpose of the contract) if they had considered the point at the time of the conclusion of the contract or the later addition of a provision.
2. Subsidiary agreements with persons whose representation authority for EMPUR® is not shown in the Commercial Register are invalid unless EMPUR® expressly confirms them in writing.
3. Oral subsidiary agreements are not valid.



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Expertise, reliability and commitment are **EMPUR®**'s strengths. In addition to the production and sale of high-quality surface heating and cooling systems and components, the company's range of services also includes comprehensive services relating to the planning and installation of our complete systems.

**EMPLAN®**'s specialist engineers and planning consultants are available to help you with their expertise in demanding property planning in almost all TGA areas such as heating, air conditioning, ventilation, plumbing and electrical.

We have bundled our many years of experience in the installation of surface heating and cooling systems into our **EMSOLUTION®** and support tradesmen to complete their construction projects on time.

**EMPUR®**, **EMPLAN®** and **EMSOLUTION®** together form the **EMGRUPPE®**. Thus, the three core areas of expertise – production, planning and installation – come from a single source.

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### EMPLAN®

- Planning surface heating and cooling systems for new builds, modernisation projects and customised solutions
- Project planning for heating, ventilation and air conditioning applications, electrical engineering and swimming pool technology
- Creation of performance specifications
- Planning and designing Geniax projects
- Energy planning and assessment of residential and non-residential buildings (GEG certificates)
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- Plastic heating pipes, insulation and composite panels for surface heating and cooling systems for new builds and modernisation projects
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- Accessories and tools
- Customised solutions for industrial, sports and commercial buildings

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- Installation of surface heating and cooling systems in new build and modernisation projects
- Installation of the CUT-THERM® milling system
- Commissioning of Geniax heat distribution systems and heat pump systems
- Service for technical building installations

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