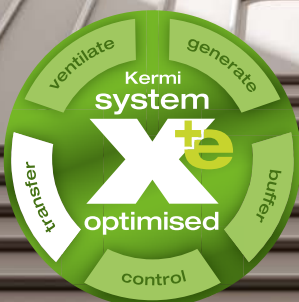


Price list III/2022 | Price basis 01.06.2022

x-net[®] panel heating/cooling systems



I like it cosy. Kermi.

Non-binding price recommendation without VAT. Technical specifications subject to change. We assume no liability for mistakes or printing errors. Products shown are examples, accessories shown with these examples are not included with the products. Colour variations between the printed and original colours are possible. The General Terms and Conditions of Businesses of Kermi GmbH apply. Kermi is a registered trademark.

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The 10-year warranty

In order to further protect the x-net panel heating/cooling system it sells, Kermi GmbH has concluded an extensive business liability and product liability insurance policy with a renowned German insurance company. For our contracting partners, the warranty period covers a period of ten years from delivery of the system parts by Kermi GmbH. In derogation of the above, the warranty periods acc. to the law and/or our General Terms and Conditions of Business shall apply to all mechanical moveable parts/products and to all electrically powered parts/products.

The coverage sums are as follows for Personal injury per insured event EUR 2.6 million / per insurance year EUR 5.1 million,
Property damage per insured event EUR 1.0 million / per insurance year EUR 2.1 million.

The 10-year warranty: Beyond the statutory five years, Kermi GmbH shall provide the direct contracting partner with a warranty for a period up to a total of ten years from the date of delivery, and shall provide this in the scope described below:

- Compensation for damage to the products supplied by us (= defective products supplied by us)
- Reimbursement of expenses for the removal or uncovering of the defective products. In the first five years, the statutory rules shall apply in conjunction with the contractual agreements
- In derogation of the above, the warranty periods acc. to the law and/or our General Terms and Conditions of Business shall apply to all mechanical moveable parts / products and to all electrically powered parts/products

For justified customer complaints, the installer may, in the additional five years, assert its claims against its contracting partner.

The following conditions are authoritative for the extension of the warranty by Kermi GmbH:

- The damage must be notified within 30 days of it being identifiable by the wholesale company
- Compliance with professional planning of the system
- Only system components belonging to the x-net system may be used and installed
- Compliance with our assembly and installation instructions and with the recognised rules of sound engineering practice, also including in particular in respect of the water quality in the heating system in accordance with VDI2035
- Correct installation by an authorised trade company
- Pressure testing carried out and documented
- Kermi GmbH responsible for an initial defect
- Immediate notification of damage to Kermi GmbH
- The General Terms and Conditions of Kermi GmbH shall additionally apply

For damage which has not occurred on the actual products supplied by us (consequential damage), liability shall be limited to EUR 1 million.

This restriction shall not apply in the first five years after delivery.

The maximum limits for claims against Kermi GmbH under the warranty are the maximum coverage amounts under the aforementioned liability insurance. This shall not affect mandatory statutory claims or claims from assurances which were given by us in an individual case. In addition, Kermi GmbH shall be liable, in accordance with statutory requirements, under the Product Liability Act and producer liability in tort. Any verbal or written recommendations regarding technical application which we give based on our experience in accordance with the level of scientific and practical knowledge in order to support the purchaser / processor shall not be binding and shall not establish any legally valid contractual relationship. They shall not discharge the purchaser from itself checking the procedure proposed by us. In all cases, we recommend consulting with the manufacturers of the building materials, additives, etc. required for the respective case.

Your wholesale company is the contact party for service / in the event of damage.

If one of the relevant conditions for the warranty is not met, all claims for damage will become void. All costs of the service assignment will be invoiced to the installer.

Price list III/2022 | Price basis 01.06.2022

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I like it cosy. Kermi.

At home in your own four walls: This is precisely where we yearn to be comfortable, in familiar surroundings, feeling safe and secure. The thermal comfort being right makes a significant contribution towards us experiencing our home in this way, allowing us to relax and have a rest.

What makes the right thermal comfort? How do you measure being comfortable? At Kermi, we have been working on this for decades now. It all started with radiators and panel temperature control. Today, our focus is on creating an optimal temperature in the rooms we work and live in. We provide a feeling of security and being able to relax throughout the year with integral solutions for optimal warmth and thermal comfort in both new-builds and also in renovated existing housing. For this purpose, we utilise our expertise to sustainably combine water-based and electricity-based components for heat generation, heat storage, control, heat transfer, and for residential ventilation.

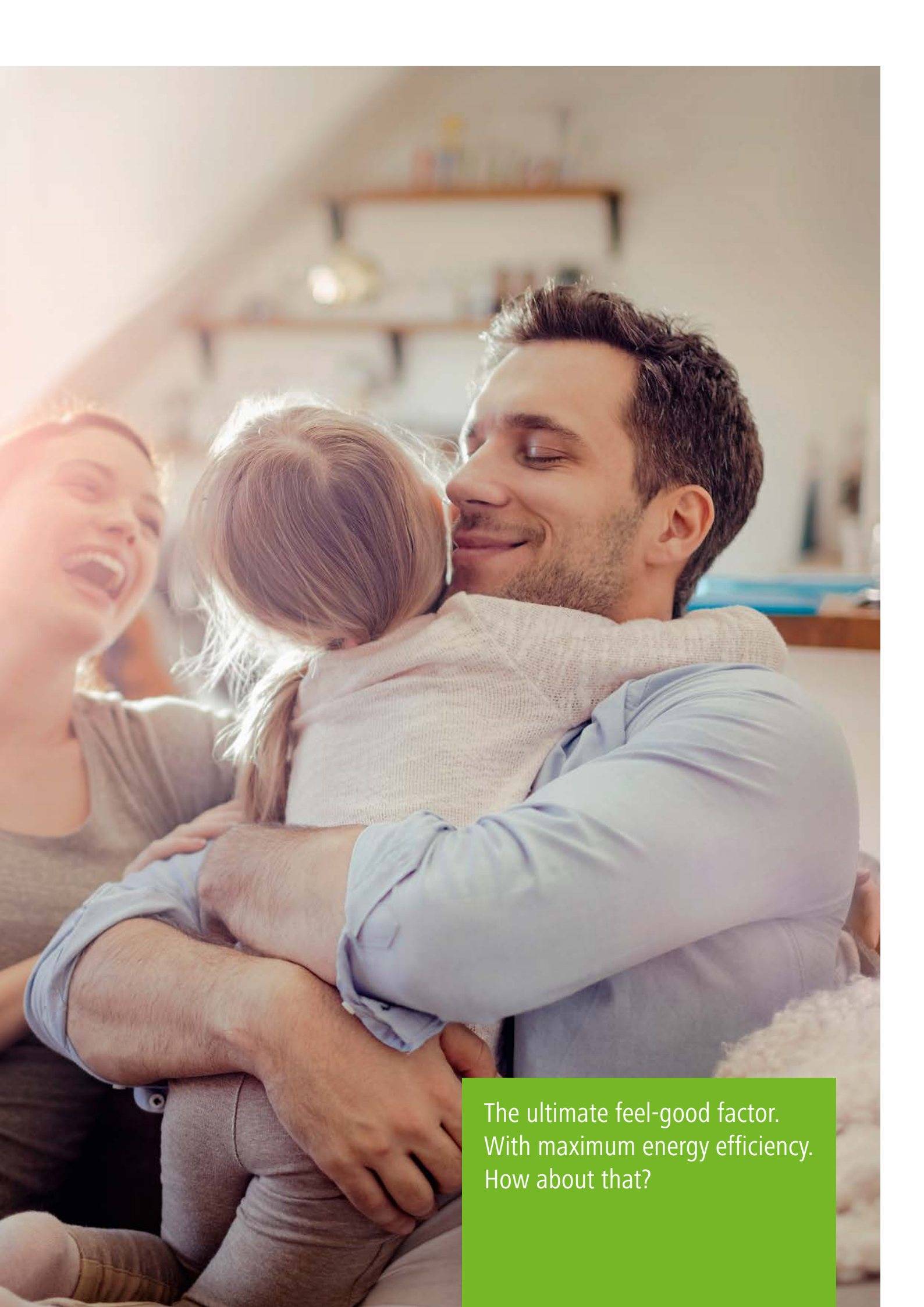
Healthy thermal comfort affects many aspects of life. Feeling good is what we experience. Future-proof and sustainable products made by Kermi give you the security of knowing that you have made a good decision for the environment as well. The Kermi system x-optimised provides optimal energy efficiency thanks to sophisticated interaction between all elements. You can rely on the high quality standard of Kermi components and products. It is seamlessly ensured from product development through production to final inspection. Furthermore, the cooperation with our specialist partners, our pre-sales and after-sales services, and the large number of additional services offers you a reassuring feeling.

With highly innovative solutions, Kermi ensures there is healthy and green feel-good warmth, combined with fresh, clean air, making you feel comfortable throughout the house. To ensure you feel good at home!

For nearly six decades now, Kermi has been developing and producing thermal comfort and shower design products at their headquarters in Lower Bavaria, Germany. Today, Kermi is among the leading manufacturers in Europe in these areas. As a pioneer when it comes to economy and ecology, Kermi keeps setting standards in technology, design, and efficiency with its approx. 1300 qualified employees in Plattling.

You can find out more about Kermi and our locations at www.kermi.com.





The ultimate feel-good factor.
With maximum energy efficiency.
How about that?

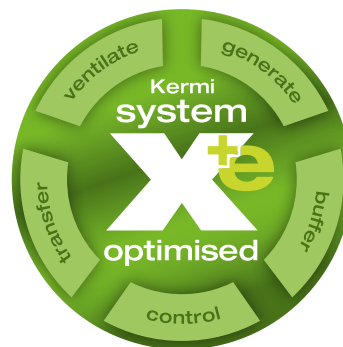


The Kermi efficiency formula:

Kermi
system
X
optimised

&

electro
te
solutions



You can rely on this

**MADE IN
GERMANY**

Highest quality.
Produced in Germany for
nearly sixty years now

DIN EN 442

Heat output acc.
to European standard
DIN EN 442

ZERTIFIZIERT

Certified management
system acc. to
ISO 9001/ 140001/50001



RAL quality mark as
a guarantee for the
highest quality

**CE
EN 442**

All products are manufactured
acc. to the highest
product quality standards in
accordance with EN 442



Comprehensive product data
for the BIM planning process

Everything for healthy thermal comfort.

Sustainably generating heat. Storing heat energy for the long term. Selectively controlling heat. Efficiently transferring heat. And ventilating your living space in a controlled manner. This is the innovative and integral approach of the “Kermi system x-optimised”.

A system for the future

Comfortable warmth and controlled ventilation are what affect your well-being in your work and living space. Heating and ventilation are mutually dependent. The trailblazing “Kermi system x-optimised” offers a range of advantages for future-proof heating and ventilation technology.

In the past, the proportion of water-based heating systems using fossil fuel energy sources was high. This has changed considerably. Regenerative electricity production is consistently supplying more electricity, making this energy an important building block in a modern heating concept. Today already, Kermi is cleverly combining the water-based and electricity-based components in the system x-optimised, thereby enabling particularly sustainable use of energy, providing healthy thermal comfort.

A systemic approach is paramount, with modern management of energy and comfort levels at its core. It optimises the interfaces, minimises energy losses between system components, and improves energy efficiency many times over. The innovative x-buffer layered buffer storage is optimally coordinated with the operating mode and efficiency of the x-change heat pump. Heat transfer has its clearly defined place within the system. Residential ventilation ensures that there is dust-free and pollen-free fresh air which provides the best air quality in the room.

And the systemic approach goes even further. Components that fit together and are perfectly tailored to each other mean greater safety & security. Kermi's unique Plug & Heat principle unites the parts of the installation which belong together. The intuitive operation of the system makes it easy to optimally control it in daily use.

Improving energy efficiency

The energy efficiency of the entire system is the result of the x-fold optimised components and their perfect interaction. Each component is designed to be highly efficient in its own right. The x-fold optimisation between individual components considerably increases the efficiency of the whole system even further. Having all system components from a single source means that you get additional quality and planning security.

All parts of the “Kermi x-optimised heating system” have been developed by Kermi itself or under Kermi's direction, using state-of-the-art technology and have been subjected to strenuous testing. This means that “x-optimised” is an x-fold promise for x-fold performance thanks to the intelligent use of components based on water or electricity.

The Kermi system x-optimised controls the interaction between areas with attention to detail and demand.

Being comfortable — from a single source.

The whole is more than the sum of its individual parts. Particularly if every part is powerful, works reliably, is of high quality, and meets modern design requirements. Nothing less will do as far as we at Kermi are concerned.

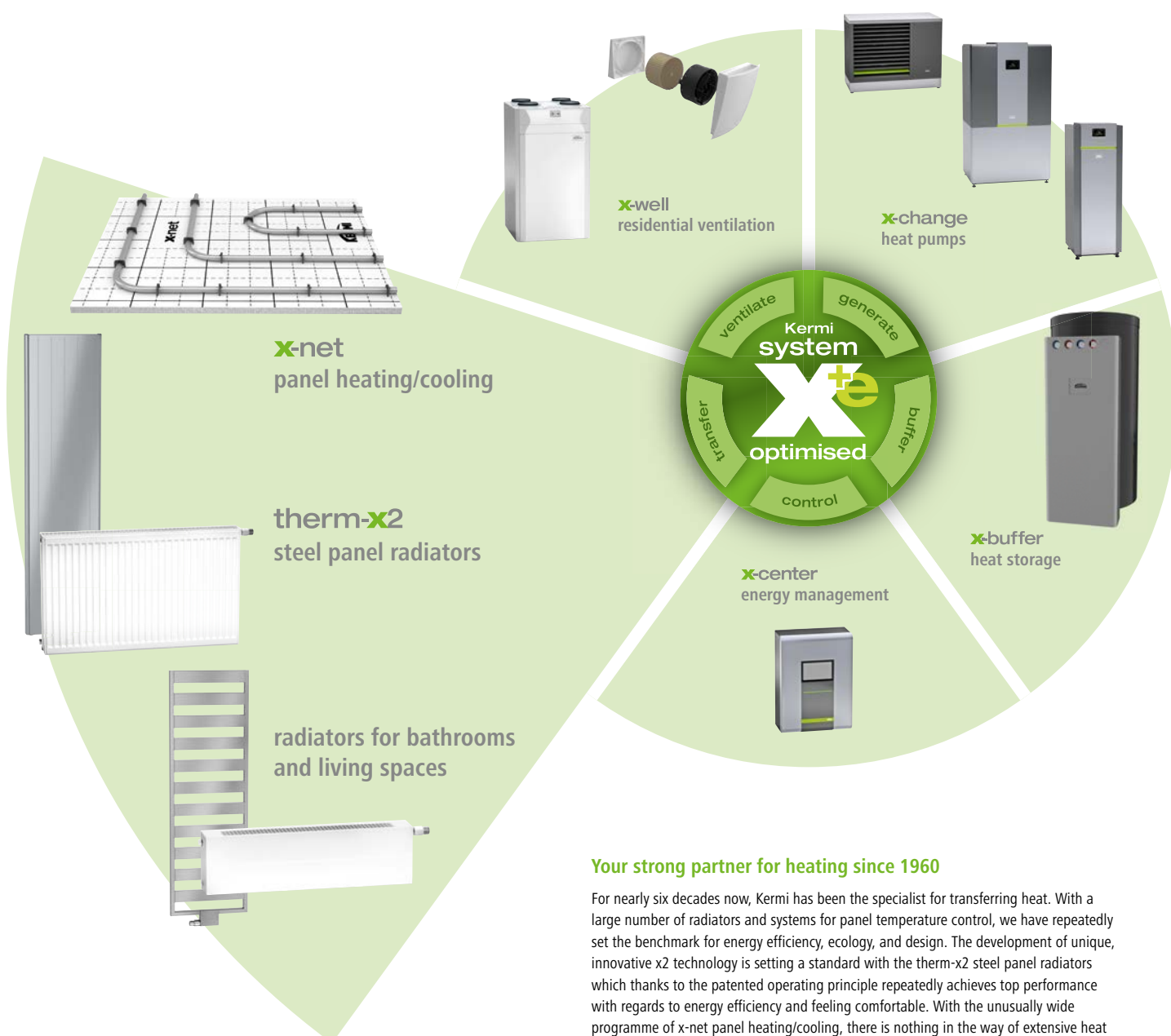
One point of contact for one system

Every building has different framework conditions and requirements. With Kermi, you have a competent partner for optimal heating and thermal comfort by your side when building housing. With the integrated water-based and electricity-based solutions from a single source, not only are efficiency and energy saving guaranteed, but also feeling comfortable and pleasantly warm. Even with complicated structural conditions in an existing building, Kermi heating and thermal comfort systems are extremely advantageous. This is because the components are also highly efficient and innovative during energy-efficient refurbishing of existing buildings.

Functionality combined with attractive design

Functionality and design have always belonged together at Kermi. When developing all of our products, we work every day toward combining them which each other at a high level. Prizes and awards for innovative technological solutions and product design are the result. This means you can rely on the quality, functionality, and design of all aspects of Kermi brand products and systems.



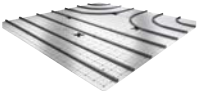
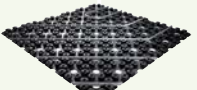
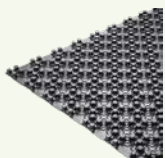
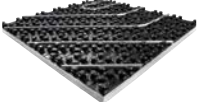
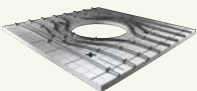
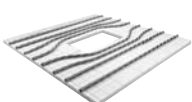


Your strong partner for heating since 1960

For nearly six decades now, Kermi has been the specialist for transferring heat. With a large number of radiators and systems for panel temperature control, we have repeatedly set the benchmark for energy efficiency, ecology, and design. The development of unique, innovative x2 technology is setting a standard with the therm-x2 steel panel radiators which thanks to the patented operating principle repeatedly achieves top performance with regards to energy efficiency and feeling comfortable. With the unusually wide programme of x-net panel heating/cooling, there is nothing in the way of extensive heat dissipation with a high proportion of radiant heat.

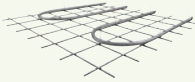
There is a wide range of bathroom and living room radiators to choose from. Convectors are high powered specialists for rooms with large window areas where they quickly provide cosy warmth. Heating panels are popular with the high proportion of cosy radiant heat they produce. The aesthetic design, the customised styling, and first-class workmanship make Kermi design radiators value-added design elements in bathrooms and living spaces. The designs beautifully complement modern architecture. Numerous models have won prestigious design awards.

Kermi x-net® system selection

Application areas		Housing construction	Offices and commercial buildings	Industrial buildings	New-builds	Refurbishment	Heating	Cooling
x-net C16 clip system		●	●		●	●	●	●
x-net C15 thin layer system		●			●	●	●	●
x-net rail system		●	●		●	(●)	●	●
x-net knob film economic		●	●		●	●	●	●
x-net C11 knob system		●	●		●	(●)	●	●
x-net C12 tackler system		●	●		●	(●)	●	●
x-net C17 klett system		●	●		●	(●)	●	●

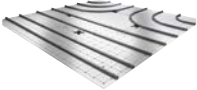
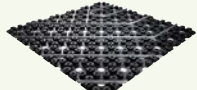
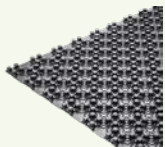
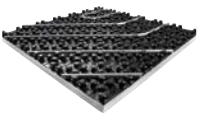
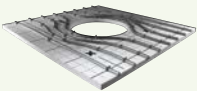
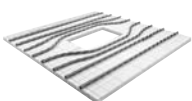
● = suitable (●) = of limited suitability

Kermi x-net® system selection

Application areas		Housing construction	Offices and commercial buildings	Industrial buildings	New-builds	Refurbishment	Heating	Cooling
x-net C13 dry system		●			●	●	●	(●)
x-net C21 wall heating / plaster system		●	(●)		●	●	●	●
x-net C22 wall heating / dry system		●	(●)		●	●	●	(●)
x-net C14 industrial panel heating				●	●		●	●

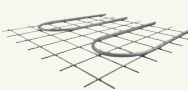
● = suitable (●) = of limited suitability

Kermi x-net® system components

Recommended basis for x-net components		System pipes	Connection technology	Manifold	Manifold cabinets	Control technology	Screed accessories	System accessories
x-net C16 clip system		PE-Xc PE-RT PE-Xa 14 / 16	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net C15 thin layer system		PE-Xc 10 / 12	Screw connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control		●
x-net rail system		MKV 16	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net knob film economic*		PE-Xc PE-RT PE-Xa 16 / 17	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net C11 knob system		PE-Xc PE-RT PE-Xa 14 / 16	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net C12 tacker system		PE-Xc PE-RT PE-Xa 14 / 16 / 17*	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net C17 klett system		PE-Xc Klett 16	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●

* No DIN-Certco installation system certificate available

Kermi x-net® system components

Recommended basis for x-net components		System pipes	Connection technology	Manifold	Manifold cabinets	Control technology	Screed accessories	System accessories
x-net C13 dry system		PE-Xc PE-RT PE-Xa MKV 14	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control	●	●
x-net C21 wall heating / plaster system*		MKV 14	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control		●
x-net C22 wall heating / dry system*		MKV 14	Screw and press-on connectors	Stainless steel Heat flowmeter	Surface-mounted Flush-mounted	Single room control		●
x-net C14 industrial panel heating		PE-Xc 20 / 25	Screw and press-on connectors	Stainless steel	Surface-mounted			●
x-link plus		PE-Xc PE-Xa MKV PE-RT	Screw connectors	x-link plus		x-link plus		

* No DIN-Certco installation system certificate available

Kermi x-net® system overview

Overview of Kermi x-net system pipes and connection technology

Pipe	Certification	Application class	Maximum operating temperature	Maximum operating pressure	Oxygen diffusion barrier	x-net screw connector	x-net press-on connector
PE-Xc	"DIN Certco 3V200 MVR (P) and 3V375 MVR (P)"	5	90 °C	6 bar	EVOH	●	●
PE-Xc klett	"DIN Certco 3V375 MVR (P)"	5	90 °C	6 bar	EVOH	●	●
PE-RT	"DIN Certco 3V414 PE-RT" and "DIN Certco 3V271 MVR (P)"	5	90 °C	6 bar	EVOH	●	●
PE-Xa	"DIN Certco 3V413 PE-Xa"	5	90 °C	6 bar	EVOH	●	●
MKV composite pipe (PE-RT / Al / PE-RT)	"DIN Certco 3V396 MVR (M)"	5	90 °C	10 bar	Aluminium	●	●
	"DVGW DW-8501BN0454"	–	90 °C	10 bar	Not relevant	(×)	(×)

(×) = not for all dimensions

Use of Kermi x-net system pipes

Pipe	x-net C16 clip system	x-net C15 thin layer system	x-net rail system	x-net knob film economic	x-net C11 knob system
Kermi x-net 5-layer-PE-Xc pipe					
10 × 1.3		● 2.45 / m			
12 × 1.4		● 2.63 / m			
14 × 2	● 2.90 / m				● 2.90 / m
16 × 2	● 3.28 / m			● 3.28 / m	● 3.28 / m
17 × 2				● 3.28 / m	
20 × 2					
25 × 2.3					
Kermi x-net 5-layer-PE-RT pipe					
14 × 2	● 2.26 / m				● 2.26 / m
16 × 2	● 2.46 / m			● 2.46 / m	● 2.46 / m
Kermi x-net 5-layer-PE-Xc klett pipe					
16 × 2					
Kermi x-net 5-layer-PE-Xa pipe					
14 × 2	● 3.06 / m				● 3.06 / m
16 × 2	● 3.43 / m			● 3.43 / m	● 3.43 / m
17 × 2				● 3.43 / m	
Kermi x-net MKV composite pipe					
14 × 2	(●) 3.67 / m				(●) 3.67 / m
16 × 2	(●) 4.02 / m		(●) 4.02 / m	(●) 4.02 / m	(●) 4.02 / m

● = recommended for the respective x-net system, price in EUR

(●) = can be used as an alternative, price in EUR

	x-net C12 tacker system	x-net C17 klett system	x-net C13 dry system	x-net C21 wall heating plaster system	x-net C22 wall heating dry system	x-net C14 industrial panel heating
	● 2.90 / m		● 2.90 / m			
	● 3.28 / m					
	● 3.28 / m					
						● 3.87 / m
						● 4.40 / m
	● 2.26 / m		● 2.26 / m			
	● 2.46 / m					
		● 4.20 / m				
	● 3.06 / m		● 3.06 / m			
	● 3.43 / m					
	● 3.43 / m					
	(●) 3.67 / m		(●) 3.67 / m	● 3.67 / m	● 3.67 / m	
	(●) 4.02 / m			● 4.02 / m for connection pipes	● 4.02 / m for connection pipes	



Systems in residential construction

Insulation-free systems:

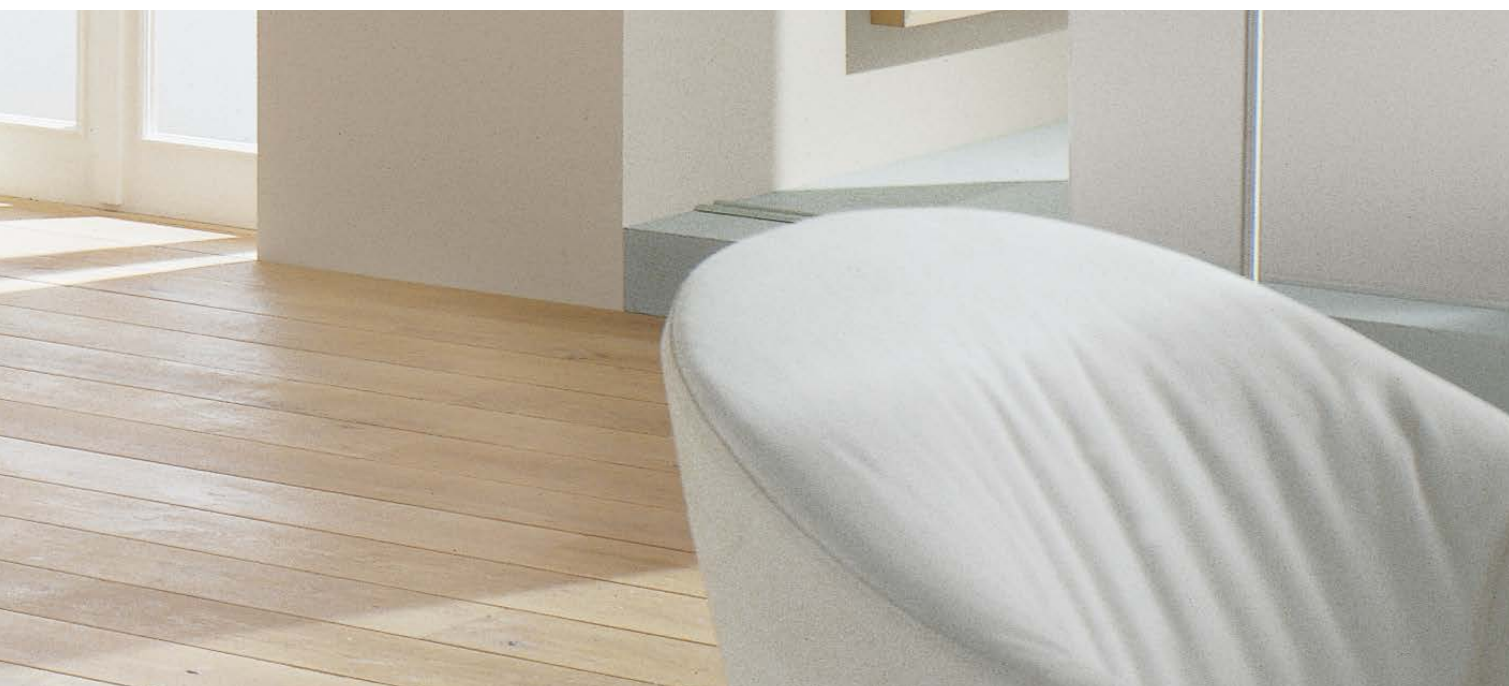
- x-net® C16 clip system
- x-net® C15 thin layer system
- x-net® rail system
- x-net® knob film economic

Wall heating:

- x-net® C21 wall heating / plaster system
- x-net® C22 wall heating / dry system

Systems with insulation:

- x-net® C11 knob system
- x-net® C12 tacker system
- x-net® C17 klett system
- x-net® C13 dry system



x-net® C16 clip system



Clip forming drive system independent of working motion.

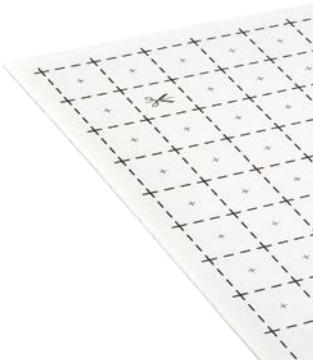


Excellent suitability for floating screed – the weight of the screed reliably presses the pipes downwards due to the closed panel area.



Description

- Kermi x-net C16 clip system underfloor heating / underfloor cooling system using type A heating screeds acc. to DIN EN 1264 / DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F378-F / 7F379-F / 7F511-F with determination of the heat flux acc. to DIN EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C16 clip panel					
	■ Polypropylene structural chambered panel for anchoring x-net C16 clips ■ The ends of the x-net C16 clips are anchored inside the internal structure without piercing the underside of the panel ■ x-net C16 clip panel with manufacturer's certificate approved by the building inspection authority, building material class E acc. to EN 13501 ■ With printed 5.5 cm pipe laying grid and cutting grid ■ Waterproof ■ Maximum load 50 kN/m² ■ L x W x H = 1200 mm x 1200 mm x 5 mm				
Kermi x-net C16 clip panel 10 panels / packaging unit = 14.4 m ²		SFDKSP01600	14.4	m ²	13.04 / m ²
Kermi x-net C16 clip tape					
	■ Adhesive tape with fabric insert for connecting the x-net C16 clip panels ■ 50 mm wide ■ 50 m per roll ■ Sufficient for an installation area of approx. 25 m²				
Kermi x-net C16 clip tape 1 pc / packaging unit		SFZKB160000	1	piece	13.03 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C16 clip					
	■ For securing of the x-net system pipes without gaps 14 × 2 and 16 × 2 on the x-net C16 clip panel ■ Can be processed with the x-net C16 clip former ■ Protected against corrosion ■ With rounded longitudinal edges and specially shaped ends ■ Stored in magazines each holding 50 pieces				
	Kermi x-net C16 clip 1000 pcs / packaging unit = 20 magazines with 50 pieces in each	SFZRK160000	1000	piece	0.20 / piece
Kermi x-net C16 clip former					
Discount group tool					
	■ For fixing the x-net system pipes in place 14 × 2 and 16 × 2 with the x-net C16 clip on the x-net C16 clip panel ■ Magazine and reserve slot for two magazines of x-net C16 clips in each ■ Clip forming drive system via spring accumulator ■ Anchoring the clips in the panel, without piercing its underside ■ Delivered in a sturdy case				
	Kermi x-net C16 clip former 1 pc / packaging unit	SFWTG160000	1	piece	1736.58 / piece

x-net® C15 thin layer system



x-net PE-Xc pipe 10 × 1.3



x-net PE-Xc pipe 12 × 1.4

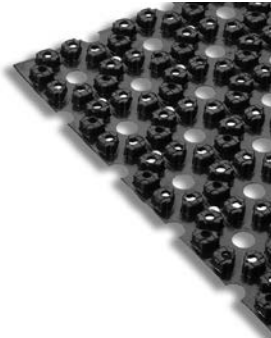


Lowest floor structures from 17 mm, ideal for refurbishment.



Description

- Kermix-net C15 thin layer system for underfloor heating / underfloor cooling as a composite structure on an existing load distribution layer for special sealing compounds approved by the manufacture
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F239-F with determination of the heat flux acc. to DIN EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C15 thin layer element					
	■ Made of polystyrene with adhesive tape on the back for securing during installation ■ Building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501 ■ For right angle and 45° diagonal pipe layout without additional fasteners, for x-net PE-Xc pipes 12 × 1.4 and 10 × 1.3 ■ Right angle installation distances: 5.5/11 and 16.5 cm ■ Diagonal installation distances: 7.5 and 15 cm ■ L × W × H = 1128 mm × 798 mm × 14 mm ■ Installation area 1100 mm × 770 mm = 0.847 m²				
	Kermi x-net C15 thin layer element 10 knob elements / packaging unit = 8.47 m²	SFDNSP05000	8.47	m²	34.36 / m²
Kermi x-net edge insulation strips H 80 mm					
	■ For separating the sealing compound from adjacent components ■ Building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501 ■ Made of closed cell PE insulation material with self-adhesive PE protective film for a secure seal ■ With adhesive strip on the back for wall fixing, height 2 cm from lower edge of edge insulation strip ■ With multiple tear-off slits ■ L × W × H = 25000 mm × 80 mm × 8 mm				
	Kermi x-net edge insulation strips H 80 mm 25 m/roll	SFZRS003000	25	m	1.29 / m

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net expansion joint profile 10/50					
	■ For standards-compliant creation of expansion joints in the sealing compound ■ Building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501 ■ 1.8 m profile length ■ 50 mm height ■ With adhesive foot ■ Rigid version due to side edging made of plastic/PE insulation material				
	Kermi x-net expansion joint profile 10/50 10 pcs / packaging unit overall length = 18 m				
		SFZBDS0000	18	m	5.83 / m

x-net® rail system



x-net multi-layer composite pipe (MKV) 16 × 2 with low restoring forces for meandering pipe laying.



Description

- Kermi x-net rail system 16 mm for underfloor heating / underfloor cooling using type A heating screeds acc. to DIN EN 1264 / DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- Determination of the heat flux acc. to DIN EN 1264

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net toothed rail 16 mm					
	Plastic toothed rail to secure x-net system pipes 16 × 2 with adhesive strip on the back to fix on the base. ■ Can be cut to length without need for tools due to predetermined breaking points at 10 cm intervals ■ Grid dimension = 5 cm ■ Length = 2.10 m ■ Per pallet of 53 bundles with 16 rails each				
	Kermi x-net toothed rail 16 mm 16 pcs / packaging unit = 33.60 m	SFZKS001002	33.6	m	3.00 / m
Kermi x-net retaining clip for clamping rail					
	■ For fixing the x-net clamping rails 20 mm and 25 mm and x-net toothed rail 16 mm ■ Clip length = 50 mm				
	Kermi x-net retaining clip for clamping rail 500 pcs / packaging unit	SFZHN000000	500	piece	0.14 / piece

Material required per 1 m² floor space

	x-net MKV composite pipe 16 × 2 (SHRMR016...)	x-net toothed rail 16 mm (SFZKS001002)	x-net retaining clip for clamping rail (SFZHN000000)
Installation distance in cm	m/m ²	m/m ²	pcs/m ²
10	10	1,5	3
15	6,7	1	2
20	5,2	1	2
25	4	1	2
30	3,4	1	2

Please note:

- Pipe requirements specified without connection pipes
- Higher rail requirement at an installation distance of 10 due to the double meander installation recommended for this
- 1.0 m x-net edge insulation strip H 160 mm (SFZRS001000) per 1 m² floor space
- Optional as insulation cover:
1.1 m² x-net polyethylene film T 200 (SFZPF200000)
- Floor mounting: 6 mm spacing from insulation (due to toothed rail)
+ 16 mm pipe diameter + screed cover

x-net® knob film economic

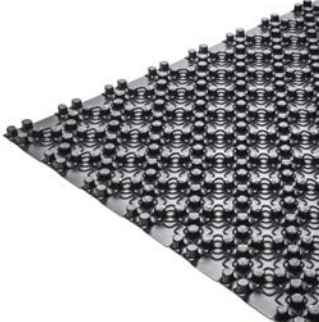


Connecting elements for x-net system pipes 16 × 2 and 17 × 2.



Description

- Kermi x-net knob film economic for underfloor heating / underfloor cooling using type A heating screeds acc. to DIN EN 1264 / DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net knob film economic					
	■ Knob film for installation on insulation provided by the customer ■ For x-net system pipes 16 × 2 and 17 × 2 ■ For right angle and 45° diagonal pipe layout without additional fasteners ■ Right angle installation distances: 6/12/18/24, and 30 cm ■ Diagonal installation distances: 8.4/16.8/25.2, and 33.6 cm ■ Panel dimensions: 1470 × 870 mm (incl. overlap) ■ Usable installation area: 1.20 m² ■ Overall height: 21 mm				
	Kermi x-net knob film economic 14 panels/package unit = 16.8 m²	SFDNSP06000	16.8	m²	20.75 / m²

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net connecting strip economic					
	■ Thermoformed PS strips with double row knob structure ■ For connecting butt-joined x-net knob films economic ■ L x W = 910 mm x 130 mm				
	Kermi x-net connecting strip eco 10 pcs / packaging unit total length = 9.10 m	SFZVSE00000	1	set	61.38 / set
Kermi x-net overlapping strips economic					
	■ Thermoformed PE strips with knob structure on one side ■ For transition from x-net knob film economic to level surfaces ■ L x W = 910 mm x 185 mm				
	Kermi x-net overlapping strips economic 10 pcs / packaging unit total length = 9.10 m	SFZUSE00000	1	set	64.74 / set
Kermi x-net film dowel economic					
	■ Element for additional securing of x-net knob film economic on insulation ■ Shank length = 25 mm				
	Kermi x-net film dowel economic 100 pcs / packaging unit	SFZFDE00000	100	piece	0.25 / piece

x-net® C11 knob system



Two foam phases for thermal and impact sound insulation.



Laid diagonally without tools.



x-net system pipe 14 × 2



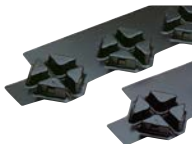
x-net system pipe 16 × 2



Description

- Kermi x-net C11 knob system for underfloor heating / underfloor cooling using type A heating screeds acc. to DIN EN 1264/ DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F104-F/7F372-F with determination of the heat flux acc. to DIN EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C11 knob plate					
	■ Insulation material acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD-free ■ Pressed-on knob film for x-net system pipe 14 × 2 and 16 × 2 for right angle and 45° diagonal pipe layout without additional fasteners ■ Right angle installation distances: 5.5/11/16.5/22/27.5, and 33 cm ■ Diagonal installation distances: 7.5/15/22.5, and 30 cm ■ Panel dimensions 1458 mm × 798 mm ■ Installation area 1430 mm × 770 mm = 1.1 m²				
Kermi x-net C11 knob plate 30 – 2 mm 9 panels / packaging unit = 9.91 m²					
	■ Thermal and impact sound insulation EPS 040 DES sg ■ Thermal resistance 0.75 m²K/W ■ Dynamic rigidity 20 MN/m³ ■ Maximum load 5 kN/m² ■ Rated impact sound reduction $\Delta L_w = 29$ dB (acc. to DIN 4109-34 for screed thickness 61 mm and screed raw density 2000 kg/m³) ■ Nominal thickness 30 mm, overall thickness 48 mm	SFDNSP01000	9.91	m²	25.88 / m²
					
Kermi x-net C11 knob plate 11 mm 9 panels / packaging unit = 9.91 m²					
	■ Rigid foam insulation without impact sound protection EPS 035 DEO ■ Thermal resistance 0.31 m²K/W ■ Maximum load 45 kN/m² ■ Nominal thickness 11 mm, overall thickness 29 mm	SFDNSP02000	9.91	m²	23.62 / m²

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C11 combi set knob					
	For unrestricted pipe layout without pipe retaining knobs, comprising:				
	■ 5 pcs insulation panels with laminated film ■ 15 m x-net overlapping strip knob ■ 50 pieces x-net pipe anchor				
	Per set, approx. 5 connection areas can be made in front of heating circuit manifolds or 7 doorways.				
	Kermi x-net combi set knob 30 – 2 mm 2.3 m² insulation 30 – 2 mm and accessories	SFDNSKS1000	1	set	133.40 / set
	■ EPS 040 DES sg ■ L x W x H = 935 mm x 495 mm x 30 mm				
	Kermi x-net combi set knob 11 mm 2.3 m² insulation 11 mm and accessories	SFDNSKS2000	1	set	121.31 / set
	■ EPS 035 DEO ■ L x W x H = 935 mm x 495 mm x 11 mm				
Kermi x-net C11 overlapping strips knob					
	■ Thermoformed PE strips with knob structure on one side for transition to smooth surfaces ■ L x W = 1126 mm x 112 mm				
	Kermi x-net overlapping strips knob 18 pcs / packaging unit total length = 20 m	SFDUES00000	1	set	85.01 / set
Kermi x-net C11 connecting strips knob					
	■ Thermoformed PE strips with knob structure on both sides for connecting butt-joint knob plates ■ L x W = 1126 mm x 84 mm				
	Kermi x-net connecting strips knob 18 pcs / packaging unit total length = 20 m	SFDVS000001	1	set	72.16 / set
Kermi x-net sealing profile knob					
	■ Round profile made of closed cell PE insulation material, to tightly seal and secure the protective film from the x-net edge insulation strip on the x-net C11 knob plate ■ 20 mm diameter				
	Kermi x-net sealing profile knob 50 m roll in box	SFZAP000000	50	m	0.87 / m

x-net® C12 tackler system



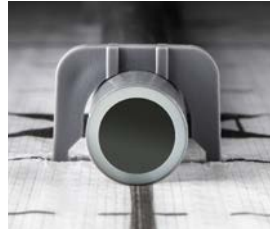
Minimal pipe lifting due to x-net pipe anchors.



Pipe anchors pre-loaded in magazine.



x-net system pipe 14 × 2



x-net system pipe 16 × 2



Description

- Kermi x-net C12 tackler system underfloor heating / underfloor cooling using type A heating screeds acc. to DIN EN 1264 / DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F105-F/7F373-F with determination of the heat flux acc. to DIN EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C12 tackler folding plate					
Self-adhesive strips	■ Insulation acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD-free ■ With laminated, highly tear-resistant anchor woven foil with PE surface, printed 5.5 cm installation grid for near-surface fixing of the x-net system pipe using x-net pipe anchors ■ With film overlap at the sides and self-adhesive strips for economical floating screed tight panel joints acc. to DIN 18560 ■ Dynamic rigidity 20 MN/m³ ■ Rated impact sound reduction $\Delta L_w = 29$ dB (acc. to DIN 4109-34 for screed thickness 61 mm and screed raw density 2000 kg/m³)				
	Kermi x-net C12 tackler folding plate 30 – 2 mm 7 folding plates/package unit = 14.0 m² ■ Thermal and impact sound insulation EPS 040 DES sg ■ Thermal resistance 0.75 m²K/W ■ Maximum load 5 kN/m² ■ L × W × H = 2000 mm × 1000 mm × 30 mm	SFDTSP11000	14	m ²	18.58 / m ²



Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C12 tackler roll					
	- Insulation acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD-free - With laminated, highly tear-resistant anchor woven foil with PE surface, printed 5.5 cm installation grid for near-surface fixing of the x-net system pipe using x-net pipe anchors - With film overlap at the sides and self-adhesive strips for economical floating screed tight panel joints acc. to DIN 18560 - Dynamic rigidity 20 MN/m³ - Rated impact sound reduction $\Delta L_w = 29$ dB (acc. to DIN 4109-34 for screed thickness 61 mm and screed raw density 2000 kg/m³)				
	Kermi x-net C12 tackler roll 30 – 2 mm 10 m roll/packaging unit = 10.0 m ²	SFDTSR11000	10	m ²	17.06 / m ²
	- Thermal and impact sound insulation EPS 040 DES sg - Thermal resistance 0.75 m²K/W - Maximum load 5 kN/m² - L × W × H = 10000 mm × 1000 mm × 30 mm				
	Kermi x-net C12 tackler roll 25 – 2 mm 10 m roll/packaging unit = 10.0 m ²	SFDTSR12000	10	m ²	13.77 / m ²
	- Thermal and impact sound insulation EPS 045 DES sm - Thermal resistance 0.55 m²K/W - Maximum load 4 kN/m² - L × W × H = 10000 mm × 1000 mm × 25 mm				
	Kermi x-net C12 tackler roll 20 – 2 mm 15 m roll/packaging unit = 15.0 m ²	SFDTSR15000	15	m ²	12.02 / m ²
	- Thermal and impact sound insulation EPS 045 DES sm - Thermal resistance 0.45 m²K/W - Maximum load 4 kN/m² - L × W × H = 15000 mm × 1000 mm × 20 mm				
Kermi x-net C12 tackler roll					
	- Insulation acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD-free - With laminated, highly tear-resistant anchor woven foil with PE surface, printed 5.5 cm installation grid for near-surface fixing of the x-net system pipe using x-net pipe anchors - With film overlap at the sides and self-adhesive strips for economical floating screed tight panel joints acc. to DIN 18560				
	Kermi x-net C12 tackler roll 35 – 3 mm 10 m roll/packaging unit = 10.0 m ²	SFDTSR17000	10	m ²	17.91 / m ²
	- Thermal and impact sound insulation EPS 045 DES sm - Thermal resistance 0.75 m²K/W - Maximum load 4 kN/m² - Dynamic rigidity 10 MN/m³ - Rated impact sound reduction $\Delta L_w = 33$ dB* - L × W × H = 10000 mm × 1000 mm × 35 mm				
	Kermi x-net C12 tackler roll 30 – 3 mm 10 m roll/packaging unit = 10.0 m ²	SFDTSR16000	10	m ²	17.06 / m ²
	- Thermal and impact sound insulation EPS 045 DES sm - Thermal resistance 0.65 m²K/W - Maximum load 4 kN/m² - Dynamic rigidity 15 MN/m³ - Rated impact sound reduction $\Delta L_w = 31$ dB* - L × W × H = 10000 mm × 1000 mm × 30 mm				

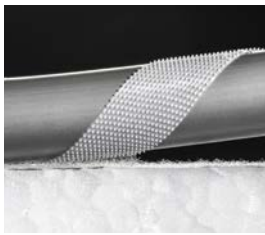
* (acc. to DIN 4109-34 for screed thickness 61 mm and screed raw density 2000 kg/m³)

x-net® C12 tackler system

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C12 tackler roll					
	■ Insulation acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD-free ■ With laminated, highly tear-resistant anchor woven foil with PE surface, film, printed 5.5 cm installation grid for near-surface fixing of the x-net system pipe using the x-net pipe anchor ■ With film overlap at the sides and self-adhesive strips for economical floating screed tight panel joints acc. to DIN 18560				
	Kermi x-net C12 tackler roll 25 mm 10 m roll/packaging unit = 10.0 m²	SFDTSR14000	10	m²	22.38 / m²
	■ Rigid foam insulation EPS 035 DEO ■ Thermal resistance 0.70 m²K/W ■ Maximum load 35 kN/m² ■ L × W × H = 10000 mm × 1000 mm × 25 mm				
	Kermi x-net C12 tackler roll 20 mm 10 m roll/packaging unit = 10.0 m²	SFDTSR13000	10	m²	15.99 / m²
	■ Rigid foam insulation EPS 040 DEO ■ Thermal resistance 0.50 m²K/W ■ Maximum load 20 kN/m² ■ L × W × H = 10000 mm × 1000 mm × 20 mm				
Kermi x-net C12 pipe anchors					
	■ For fixing the x-net system pipes (up to 17 mm outer diameter) on x-net tackler areas ■ 25 pipe anchors in each magazine				
	Kermi x-net C12 pipe anchors 400 pcs / packaging unit = 16 magazines with 25 pieces in each	SFZRA016000	400	piece	0.20 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C12 tacker tool					Discount group tool
	■ Tool for setting x-net pipe anchors from a standing position ■ Storage capacity = four magazines (100 pieces) x-net pipe anchor				
	Kermi x-net C12 tacker tool 1 pc / packaging unit	SFWTG000000	1	piece	249.27 / piece
Kermi x-net C12 mini tacker tool					Discount group tool
	■ Compact tool for setting x-net pipe anchors while kneeling (e.g. in front of the heating circuit manifold) ■ Storage capacity = one magazine (25 pieces) x-net pipe anchor				
	Kermi x-net C12 mini tacker tool 1 pc / packaging unit	SFWTG120002	1	piece	125.78 / piece

x-net® C17 klett system



The klett strip on the pipes grips the klett sheet on the insulation panel and thus ensures maximum retention strength.



Kermi x-net klett insulation and klett pipe – all you need for perfect, tool-free installation.



Tool-free and therefore quick pipe fixing. Easy one-man installation.



Description

- Kermi x-net C17 klett system for underfloor heating / underfloor cooling using type A heating screeds acc. to DIN EN 1264/DIN 18560
- Exact matching of the heat dissipation to the calculated room heating load and maintenance of the permissible floor surface temperature in accordance with DIN EN 1264-2 through variation of the pipe spacing as well as calculation and regulation of the mass flow rate
- DIN CERTCO system test, registration number 7F422-F with determination of the heat flux acc. to EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net C17 klett roll					
	■ Insulation material acc. to DIN EN 13163, building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD free ■ With laminated, special klett film, film overlap at the sides and printed 5.5 cm installation grid for fixing the x-net PE-Xc klett pipe ■ Dynamic rigidity 20 MN/m³ ■ Evaluated impact sound reduction $\Delta L_w = 29$ dB (acc. to DIN 4109-34 for screed thickness 61 mm and screed gross density 2000 kg/m³)				
	Kermi x-net C17 klett roll 30 – 2 mm 10 m roll/package unit = 10.0 m²	SFDKSR11000	10	m²	23.13 / m²
	■ Thermal and impact sound insulation EPS 040 DES sg ■ Thermal resistance 0.75 m²K/W ■ Maximum load 5 kN/m² ■ L × W × H = 10000 mm × 1000 mm × 30 mm				
	Kermi x-net C17 klett roll 25 – 2 mm 10 m roll/package unit = 10.0 m²	SFDKSR12000	10	m²	18.50 / m²
	■ Thermal and impact sound insulation EPS 045 DES sm ■ Thermal resistance 0.55 m²K/W ■ Maximum load 4 kN/m² ■ L × W × H = 10000 mm × 1000 mm × 25 mm				
Kermi x-net C17 klett fleece roll					
	■ Self-adhesive underside ■ With laminated, special klett film on top, with printed 5.5 cm installation grid ■ For securing the x-net PE Xc klett pipe on all surfaces ■ Polyethylene insulation with impact sound reducing effect (dynamic rigidity 210 MN/m³) ■ Building inspection authority approval Z-23.21-1637				
	Kermi x-net klett fleece roll 6 mm 20 m roll/package unit = 20.0 m²	SFDKSR21000	20	m²	20.27 / m²
	■ Thermal conductivity classification 045 ■ Amount of impact sound reduction 13 dB ■ L × W × H = 20000 mm × 1000 mm × 6 mm				

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net 5-layer PE-Xc klett pipe					
	■ Cross-linked polyethylene heating pipe wrapped with klett strip, manufactured acc. to DIN 16892 ■ Tested and monitored acc. to DIN 4726 and DIN EN ISO 21003 ■ DIN-Certco registration 3V375 MVR (P) ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology with protected internal oxygen barrier layer ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-Xc Klett pipe 16x2 120 m 120 m roll in special box	SFRPEK16012	120	m	4.20 / m
	Kermi x-net PE-Xc Klett pipe 16x2 240 m 240 m roll in special box	SFRPEK16024	240	m	4.20 / m
	Kermi x-net PE-Xc Klett pipe 16x2 600 m 600 m roll in special box	SFRPEK16060	600	m	4.20 / m
Kermi x-net C17 pipe layout aid					
					Discount group tool
	■ To guide x-net klett pipes during installation ■ Prevents the klett pipes touching the base ■ With spreading device for quick installation, extendable, adjustment range from 650 mm to 1100 mm				
	Kermi x-net pipe guide aid	SFWRFHC1700	1	piece	139.03 / piece

Please note:

Recommended accessories for installation of x-net C17 klett fleece roll:

- x-net edge insulation strip economic H 150 mm (SFZRS004000), page 102
- x-net sealing tape for sealing the edge joint (SFZKB1800000), page 105

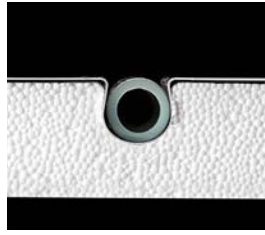
x-net® C13 dry system



Simple length adjustment of the heat-conducting plates without tools.



Simple to make additional pipe ducts with x-net heat-cutter.



x-net system pipe 14 x 2



Description

- Kermi x-net C13 dry system underfloor heating for dry-laid load distribution layers and wet-laid type B screed acc. to DIN EN 1264/DIN 18560
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F139-F/7F140-F with determination of the heat flux acc. to DIN EN 1264
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net drywall board 25 mm					
	■ Rigid foam insulation with pipe channels for meandering pipe laying ■ Snaking curves and three transverse channels at the head of the board ■ EPS 035 DEO 150 acc. to DIN EN 13163 ■ Maximum load 5 kN/m² ■ Building material class B1 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD free ■ To support x-net heat-conducting plate and x-net system pipe 14 x 2 ■ Installation distances: 14/21, and 28 cm ■ Thermal resistance 0.63 m² K/W ■ L x W x H = 1000 mm x 500 mm x 25 mm				
	Kermi x-net drywall board 25 mm 20 panels / packaging unit = 10.0 m ²	SFDTBP01000	10	m²	14.59 / m²
Kermi x-net manifold panel 25 mm					
	■ For flexible pipe layout in the manifold connection area in the x-net dry system ■ Avoid cavities by making the required pipe layout channels manually with the x-net heat-cutter with x-net Omega cutting tip ■ From XPS heat conducting group 035 acc. to DIN EN 13164 ■ Building material class B1 acc. to DIN 4102 ■ European class E acc. to DIN EN 13501 ■ Without pipe ducts, printed on one side with split pipe routing ■ L x W x H = 1000 mm x 500 mm x 25 mm				
	Kermi x-net manifold panel 25 mm 1 pc / packaging unit	SFDTBPV2000	1	piece	47.33 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net heat-conducting plate made of steel					
	■ For heat distribution and pipe support in the x-net C13 drywall board 25 mm ■ For x-net system pipe 14 × 2, made of galvanised sheet steel, with predetermined breaking points for tool-free shortening ■ L × W × H = 990 mm × 120 mm × 0.4 mm				
	Kermi x-net heat-conducting plate 48 pcs / packaging unit in carton	SFDWLB01000	48	piece	7.29 / piece
Kermi x-net heat-conducting plate made of aluminium					
	■ For heat distribution and pipe support in the x-net drywall board 25 mm ■ For x-net system pipe 14 × 2, made of aluminium, with for tool-free shortening ■ L × W × H = 990 mm × 120 mm × 0.5 mm				
	Kermi x-net heat-conducting plate made of aluminium 48 pcs / packaging unit in carton	SFDWLBA1000	48	piece	9.54 / piece
Kermi x-net polyethylene film T 200					
	■ Polyethylene cover and protective film with 2 m web width ■ Folded in the middle and rolled in 50 m lengths ■ Thickness = 200 micrometres				
	Kermi x-net polyethylene film T 200 100 m²/roll	SFZPF200000	100	m²	0.89 / m²
Kermi x-net edge insulation strips H 120 mm					
	■ Building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501 ■ For separating the heating screed from adjacent components ■ Made of closed cell PE insulation material, with PE protective film ■ With adhesive strip on the back for wall fixing, height 5 cm from lower edge of edge insulation strip ■ With multiple tear-off slits ■ L × W × H = 25000 mm × 120 mm × 8 mm				
	Kermi x-net edge insulation strips H 120 mm 25 m/roll	SFZRS002000	25	m	1.29 / m

Please note:**Recommended accessories / tools for installing x-net drywall system:**

- Double-sided adhesive tape (SFZKBD50000) to assist securing to base where required, e.g. in front of the heating circuit manifold, page 105
- x-net heat-cutter (SFWHS000002) with x-net omega cutting tip (SFWHS00002), page 111

x-net® wall heating

x-net C21

wall heating plaster system

x-net C22

wall heating dry system



x-net MKV composite pipe 14 × 2 to be laid in the wall surface, x-net MKV composite pipe 16 × 2 to be connected to the heating circuit manifold.



Description plaster system

- Kermi x-net C21 wall heating plaster system wall heating surface / wall cooling surface made of x-net multi-layer composite pipe (MKV) 14 × 2 embedded in the plaster for installation with x-net clamping rail 14 mm on base on site
- Suitable for all plaster types appropriate for wall heating, plaster application thickness around 30 to 35 mm
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi



Description dry system

- Kermi x-net C22 wall heating dry system wall heating surface, made of x-net drywall boards 25 mm for holding x-net multi-layer composite pipe (MKV) 14 × 2 inside a substructure created on site
- For covering the wall with drywall board, gypsum board, or other wall / drywall elements suitable for wall heating
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
	■ Rigid foam insulation with pipe channels for meandering pipe laying ■ Snaking curves and three transverse channels at the head of the board ■ EPS 035 DEO 150 acc. to DIN EN ISO 13163 ■ Maximum load 5 kN/m² ■ Building material class B1 acc. to DIN 4102, European class E acc. to DIN EN 13501, HBCD free ■ To support x-net heat-conducting plate and x-net system pipe 14 × 2 ■ Installation distances: 14 / 21, and 28 cm ■ Thermal resistance 0.63 m²K/W ■ L × W × H = 1000 mm × 500 mm × 25 mm				
	Kermi x-net drywall board 25 mm 20 panels / packaging unit = 10.0 m ²	SFDTBP01000	10	m ²	14.59 / m ²

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net heat-conducting plate made of steel					
	■ For heat distribution and pipe support in the x-net drywall board 25 mm ■ For x-net system pipe 14 × 2, made of galvanised sheet steel, with predetermined breaking points for tool-free shortening ■ L × W × H = 990 mm × 120 mm × 0.4 mm				
	Kermi x-net heat-conducting plate 48 pcs / packaging unit in carton	SFDWLBA01000	48	piece	7.29 / piece
Kermi x-net heat-conducting plate made of aluminium					
	■ For heat distribution and pipe support in the x-net drywall board 25 mm ■ For x-net system pipe 14 × 2, made of aluminium, with for tool-free shortening ■ L × W × H = 990 mm × 120 mm × 0.5 mm				
	Kermi x-net heat-conducting plate made of aluminium 48 pcs / packaging unit in carton	SFDWLBA1000	48	piece	9.54 / piece
Kermi x-net clamping rail 14 mm					
	■ For fixing Kermi x-net MKV composite pipe 14 × 2 in place ■ With adhesive strip on the back for securing the clamping rail ■ Plugs together for connecting several clamping rails with each other ■ Material: Polypropylene ■ Grid dimension = 5 cm, length = 1 m				
	Kermi x-net clamping rail 14 mm 25 pcs / packaging unit = 25 m	SFZKS014000	25	m	3.87 / m
Kermi x-net thermofilm					
	■ For locating heating pipes in x-net wall heating panels ■ L × W = 100 mm × 200 mm				
	Kermi x-net thermofilm 1 pc / packaging unit	SFZTF000000	1	piece	32.87 / piece



System in industrial areas

■ x-net® C14 industrial panel heating



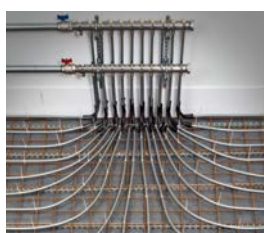
x-net® C14 industrial panel heating



Low hydraulic pressure loss due to manifold bar with large cross section.



x-net PE-Xc pipe 20 × 2 and 25 × 2.3.



Connection spacing of 80 mm for reduced pipe density in manifold area.



Advantages

- Kermi x-net C14 industrial panel heating for heating/cooling of concrete segments through integrated pipe register
- The heat dissipation is matched precisely to the calculated room heating load and the permissible floor surface temperature acc. to DIN EN 1264-2 is complied with by varying the pipe spacing and calculating and controlling the water flow
- DIN CERTCO system test, registration number 7F200-F / 7F201-F / 7F202-F with determination of the heat flux acc. to DIN EN 1264-2
- 10-year extended product liability acc. to the assumption of liability declaration by Kermi

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net 5-layer PE-Xc pipe					
	■ Cross-linked polyethylene heating pipe, manufactured acc. to DIN 16892 ■ Tested and monitored acc. to DIN 4726 and DIN EN ISO 15875 ■ DIN-Certco registration 3V200 MVR (P) ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology to protect the EVOH oxygen barrier layer from wear in tough conditions on a construction site ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-Xc pipe 20x2 240 m 240 m roll in shrink film	SFRPE020024	240	m	3.87 / m
	Kermi x-net PE-Xc pipe 20x2 600 m 600 m roll in shrink film	SFRPE020060	600	m	3.87 / m
	Kermi x-net PE-Xc pipe 25x2.3 600 m 600 m roll in shrink film	SFRPE025060	600	m	4.40 / m
Kermi x-net pipe protection sleeve					
	■ Made of 9 mm PE insulation material to protect the x-net PE-Xc pipes 20 × 2 or 25 × 2.3 ■ Pre-slit in the area of expansion joints ■ With self-adhesive longitudinal seam ■ 1000 mm length				
	Kermi x-net pipe protection sleeve 20 mm 25 pcs / packaging unit	SFZRH020000	25	piece	1.70 / piece
	Kermi x-net pipe protection sleeve 25 mm 25 pcs / packaging unit	SFZRH025000	25	piece	2.08 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net clamp ring screw connection 20 × 2					
	■ To connect the x-net system pipes to x-net manifold ■ Support sleeve with euro taper ■ Clamp ring and union nut ¾" with size 27 mm ■ Material: Brass, nickel-plated				
	Kermi single clamp ring screw connection 20 × 2 1 pc / packaging unit	SFVZHKRVE20	1	piece	5.43 / piece
	Kermi x-net clamp ring screw connection 20 × 2 2 pcs / packaging unit	SFVZHKRV020	2	piece	5.43 / piece
Kermi x-net clamp ring screw connection 25 × 2.3					
	■ To connect the x-net system pipes to x-net manifold ■ Support sleeve with euro taper ■ Clamp ring and union nut 1" with ¾" adapter ■ Material: Brass, nickel-plated				
	Kermi single clamp ring screw connection 25 × 2.3 1 pc / packaging unit	SFVZHKRVE25	1	piece	14.23 / piece
	Kermi x-net clamp ring screw connection 25 × 2.3 2 pcs / packaging unit	SFVZHKRV025	2	piece	14.23 / piece
Kermi x-net adapter screw fitting external thread (AG) ½"					
	■ To connect the x-net system pipes to ½" internal thread ■ Dimension: ½" AG – 20 × 2				
	Kermi adapter screw fitting ½" AG – 20 2 pcs / packaging unit	SFVZHUEV020	2	piece	10.75 / piece
Kermi x-net adapter screw fitting external thread (AG) ¾"					
	■ To connect the x-net system pipes to ¾" internal thread ■ Dimension: ¾" AG – 25 × 2.3				
	Kermi adapter screw fitting ¾" AG – 25 2 pcs / packaging unit	SFVZHUEV025	2	piece	19.61 / piece
Kermi x-net screw coupling					
	■ For connecting the x-net system pipes, comprising: ■ Brass body and clamp ring screw connections				
	Kermi x-net screw coupling 20 × 2 1 pc / packaging unit	SFVSK020000	1	piece	21.75 / piece
	■ Dimension: 20 × 2				
	Kermi x-net screw coupling 25 × 2.3 1 pc / packaging unit	SFVSK025000	1	piece	31.89 / piece
	■ Dimension: 25 × 2.3				

x-net® C14 industrial panel heating

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net press coupling					
	To connect x-net system pipes, consisting of: ■ Brass body and stainless steel ferrules				
	Kermi x-net single press coupling 20 1 pc / packaging unit ■ Dimension: 20 × 2	SFVPKE20000	1	piece	10.33 / piece
	Kermi x-net press coupling 20 10 pcs / packaging unit ■ Dimension: 20 × 2	SFVPK020000	10	piece	10.33 / piece
	Kermi x-net single press coupling 25 1 pc / packaging unit ■ Dimension: 25 × 2.3	SFVPKE25000	1	piece	13.40 / piece
	Kermi x-net press coupling 25 10 pcs / packaging unit ■ Dimension: 25 × 2.3	SFVPK025000	10	piece	13.40 / piece
Kermi x-net pipe layout bend					
	■ Made of impact-resistant plastic ■ For 90° bends in the x-net system pipes				
	Kermi x-net pipe layout bend 20 1 pc / packaging unit ■ For pipe dimension 20 × 2	SFZRB020000	1	piece	3.08 / piece
	Kermi x-net pipe layout bend 25 1 pc / packaging unit ■ For pipe dimension 25 × 2.3	SFZRB025000	1	piece	4.61 / piece
Kermi x-net cable ties 200 mm					
	■ Made of polyamide ■ Length 200 mm ■ Width 4.8 mm				
	Kermi x-net cable ties 200 mm 100 pcs / packaging unit	SFZKA000000	100	piece	0.12 / piece
Kermi x-net twist wire					
	■ For joining together reinforcement steel mats made of corrosion-protected steel wire ■ Double ■ With 2 loops ■ Length: 160 mm				
	Kermi x-net twist wire 1000 pcs / packaging unit	SFZDR000000	1000	piece	0.04 / piece
Kermi x-net twisting tool					Discount group tool
	■ For processing the x-net twist wires				
	Kermi x-net twisting tool 1 pc / packaging unit	SFWDG000000	1	piece	40.25 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net clamping rail					
	■ For fixing the x-net system pipes in place ■ With holes for securing on the base and two-sided clips ■ Grid dimension = 5 cm ■ Length = 3 m				
	Kermi x-net clamping rail 20 mm 10 pcs / packaging unit = 30 m	SFZKS020000	30	m	4.22 / m
	Kermi x-net clamping rail 25 mm 10 pcs / packaging unit = 30 m	SFZKS025000	30	m	7.75 / m
Kermi x-net retaining clip for clamping rail					
	■ For fixing the x-net clamping rails 20 mm and 25 mm and x-net toothed rail 16 mm ■ Clip length = 50 mm				
	Kermi x-net retaining clip for clamping rail 500 pcs / packaging unit	SFZHN000000	500	piece	0.14 / piece
Kermi x-net manifold cabinet A-XL surface-mounted Comfort XL, painted					
	Cabinet for surface-mounted installation in comfort version, consisting of:				
	■ Body made of electrolytically galvanised steel sheet ■ Visible parts powder-coated in White (similar to RAL 9016), ■ Electrical installation area in upper third of cabinet to hold the x-net quick fix set for space-optimised cable routing in the cable routing level and for fixing the x-net terminal strips in place ■ Rear wall with 2 removable mounting rails ■ Height-adjustable installation feet ■ Door with rotary latch made of metal ■ Height = 710 mm to 840 mm; depth = 125 mm				
	Kermi x-net manifold cabinet A-XL-L1 AP comfort XL painted, width: 490 mm	SFSAPXL125L01	1	piece	276.00 / piece
	Kermi x-net manifold cabinet A-XL-L2 AP comfort XL painted, width: 575 mm	SFSAPXL125L02	1	piece	299.00 / piece
	Kermi x-net manifold cabinet A-XL-L3 AP comfort XL painted, width: 725 mm	SFSAPXL125L03	1	piece	332.06 / piece
	Kermi x-net manifold cabinet A-XL-L4 AP comfort XL painted, width: 875 mm	SFSAPXL125L04	1	piece	362.25 / piece
	Kermi x-net manifold cabinet A-XL-L5 AP comfort XL painted, width: 1025 mm	SFSAPXL125L05	1	piece	399.63 / piece
	Kermi x-net manifold cabinet A-XL-L6 AP comfort XL painted, width: 1175 mm	SFSAPXL125L06	1	piece	468.62 / piece
	Kermi x-net manifold cabinet A-XL-L7 AP comfort XL painted, width: 1475 mm	SFSAPXL125L07	1	piece	544.81 / piece

With x-net ball valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net IFH manifold)
		with x-net ball valve 2" AG x 1½" IG
L5	1025	6
L6	1175	8
L7	1475	12

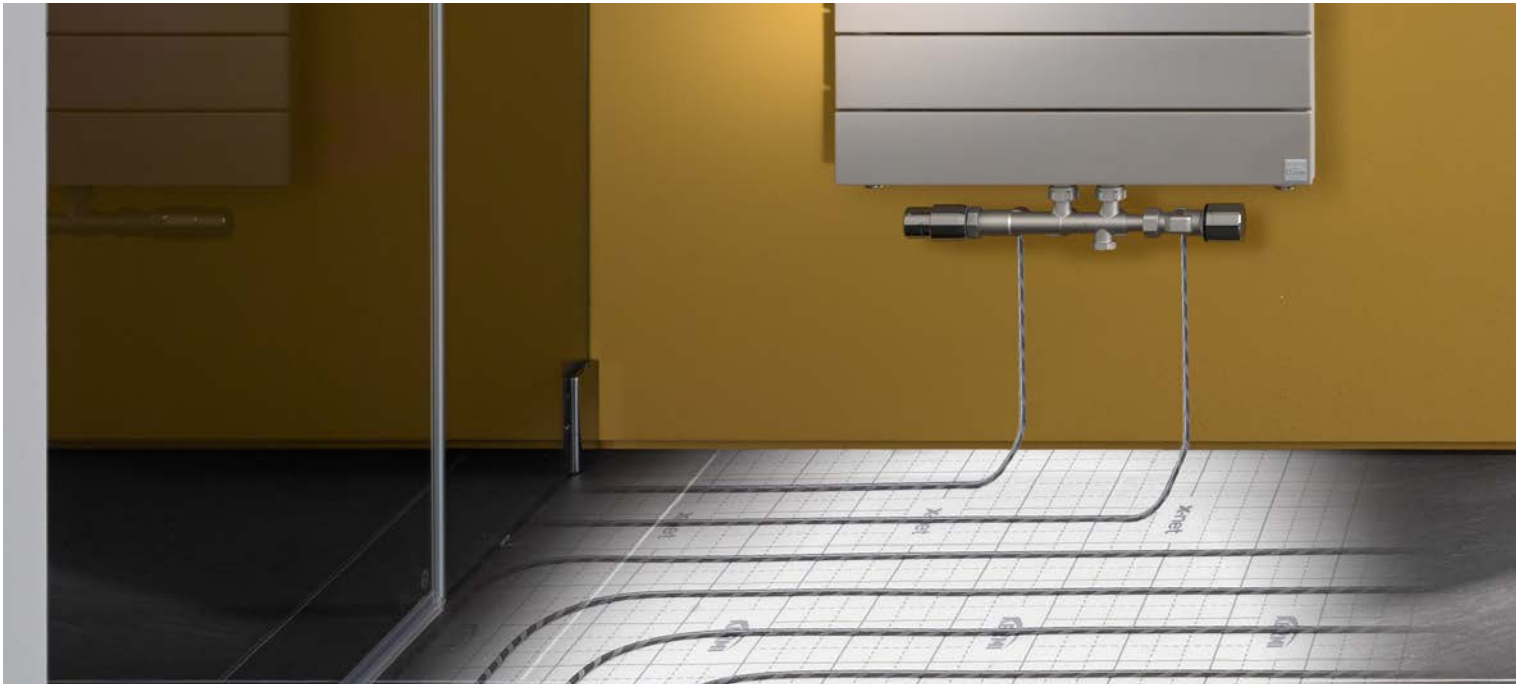
The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account as well as pipe brackets (to be provided on site) for connecting the pipes from below.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

x-net® C14 industrial panel heating

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net industrial panel heating manifold (IFH)					
	Underfloor heating manifold 2" made of stainless steel 1.4301 for large areas, consisting of:				
	■ Profile pipe with 2" union nuts ■ Seals flat against suitable mating piece (e.g. ball valve, not included in scope of delivery) ■ Flow section with fine-control valves ■ $K_{vs} = 2.46 \text{ m}^3/\text{h}$ with recoverable Presetting ■ Return section with thermostat inserts for attaching x-net actuators (delivery status: with protective caps) ■ Outlets with 3/4" external thread euro taper, ■ 80 mm connection spacing ■ 2 air vent plugs ■ 2 brass filling and draining taps 1/2" ■ Sturdy wall mount with sound insulation insert ■ Screws and dowels				
Kermi x-net IFH manifold FI – 6 for 6 circuits, length 630 mm		SFVI0600000	1	piece	726.73 / piece
Kermi x-net IFH manifold FI – 7 for 7 circuits, length 710 mm		SFVI0700000	1	piece	796.41 / piece
Kermi x-net IFH manifold FI – 8 for 8 circuits, length 790 mm		SFVI0800000	1	piece	867.24 / piece
Kermi x-net IFH manifold FI – 9 for 9 circuits, length 870 mm		SFVI0900000	1	piece	937.90 / piece
Kermi x-net IFH manifold FI – 10 for 10 circuits, length 950 mm		SFVI1000000	1	piece	1007.74 / piece
Kermi x-net IFH manifold FI – 11 for 11 circuits, length 1030 mm		SFVI1100000	1	piece	1078.56 / piece
Kermi x-net IFH manifold FI – 12 for 12 circuits, length 1110 mm		SFVI1200000	1	piece	1148.41 / piece
Kermi x-net IFH manifold FI – 13 for 13 circuits, length 1190 mm		SFVI1300000	1	piece	1219.06 / piece
Kermi x-net IFH manifold FI – 14 for 14 circuits, length 1270 mm		SFVI1400000	1	piece	1289.88 / piece
Kermi x-net IFH manifold FI – 15 for 15 circuits, length 1350 mm		SFVI1500000	1	piece	1359.73 / piece
Kermi x-net IFH manifold FI – 16 for 16 circuits, length 1430 mm		SFVI1600000	1	piece	1430.38 / piece
Kermi x-net IFH manifold FI – 17 for 17 circuits, length 1510 mm		SFVI1700000	1	piece	1500.21 / piece
Kermi x-net IFH manifold FI – 18 for 18 circuits, length 1590 mm		SFVI1800000	1	piece	1570.91 / piece
Kermi x-net IFH manifold FI – 19 for 19 circuits, length 1670 mm		SFVI1900000	1	piece	1641.72 / piece
Kermi x-net IFH manifold FI – 20 for 20 circuits, length 1750 mm		SFVI2000000	1	piece	1711.57 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net installation bracket					
	For front-wall installation of the x-net industrial panel heating manifold, comprising: ■ 2x sturdy installation brackets with 2 pipe clamps each incl. sound insulation insert				
	Kermi x-net installation bracket 2 pcs / packaging unit	SFZMK000000	1	set	124.31 / set
Kermi x-net ball valve					
	■ Suitable for x-net industrial panel heating manifold with flat-seal screw connection 2" external thread and 1½" internal thread for pipe connection ■ BL: 105 mm ■ Brass, nickel-plated				
	Kermi single ball valve 2" AG × 1½" IG 1 pc / packaging unit	SFVZHKHE003	1	piece	57.89 / piece



Radiator connection

- Connection to underfloor heating through connection fitting x-link® plus
- Connection valves



x-link® plus connection fitting

x-link plus.

The connection fitting with a White or Chrome cover perfectly fits the 50 mm connection on the compact bathroom radiator.



Advantages x-link plus

- Innovative integration of the underfloor heating and bathroom radiator connection in a single unit
- Meets the highest standard in bathroom design (all connections concealed under a cover rosette)
- Bathroom radiator and underfloor heating integrated together into the pipe system at a central location
- An additional control circuit for the underfloor heating is not necessary
- No need to plan and install a separate wall box for controlling the underfloor heating
- Simple operation
- Complete solution with coordinated interfaces from a single source
- Two-pipe shut-off block included as standard
- x-link plus combines a valve shut-off block and x-link plus connection fitting in a single version
- x-link plus is available in White and Chrome

For detailed information on max. installation space, max. heating circuit length, and heat flux guideline value [watts/m²] of panel heating, see Prices and Technology Design radiators / dimensioning tables x-link connection fitting for underfloor heating.

Name Illustration	Description	Item number	Delivery quantity	Unit	Price /unit EUR excl. VAT																			
Kermi x-link plus connection fitting for underfloor heating			Discount group radiator accessories																					
	Two-pipe connection fitting for underfloor heating which can be attached directly to the 50 mm centre connection.																							
	■ Required differential pressure: min. 100 mbar ■ Operating temperature (primary side): max. 70 °C ■ Incl. return temperature limiter, Chromed adjustment head, non-return valve, lock for radiator and angled two-pipe shut-off block for connection to the pipe system ■ Incl. cover rosette, optionally in White or in Chrome ■ Connections: 4 × G ¾" (external thread) in one line pointing to rear for connecting radiators and underfloor heating ■ Flow connections on left (underfloor heating outside) ■ Return connections on right (underfloor heating outside) ■ Hub distances: 50–50–70 mm ■ For optimal installation, order accessories for the x-link plus pre-assembly unit and grid sheet for plastic pipes																							
	Suitable for <table><tr><th>Radiator type</th><th>Tabeo</th><th>Casteo</th><th>Duett</th><th>Geneo quadris</th></tr><tr><td>Note</td><td></td><td>from BL 500 mm</td><td>from BL 634 mm</td><td>from BL 596 mm</td></tr><tr><th>Radiator type</th><th>Basic-50</th><th>Pateo</th><th>Rubeo</th><th>Verteo</th></tr><tr><td>Note</td><td>from BL 564 mm</td><td></td><td></td><td></td></tr></table>					Radiator type	Tabeo	Casteo	Duett	Geneo quadris	Note		from BL 500 mm	from BL 634 mm	from BL 596 mm	Radiator type	Basic-50	Pateo	Rubeo	Verteo	Note	from BL 564 mm		
Radiator type	Tabeo	Casteo	Duett	Geneo quadris																				
Note		from BL 500 mm	from BL 634 mm	from BL 596 mm																				
Radiator type	Basic-50	Pateo	Rubeo	Verteo																				
Note	from BL 564 mm																							
Cover White		ZV0168 0001	1	piece	392.67 / piece																			
Cover Chrome		ZV0168 0002	1	piece	412.45 / piece																			

Name Illustration	Description	Item number	Delivery quantity	Unit	Price /unit EUR excl. VAT
Discount group radiator accessories					
Kermi x-link plus pre-assembly unit					
	Suitable for exact pre-assembly and leak testing of the pipe connections (radiator connection and underfloor heating). After construction phase, is replaced with the x-link plus connection fitting for underfloor heating (protected from dirt and damage). Can be used again after being removed!				
	■ Hub distances: 50–50–70 mm ■ With bleed valve and flushing valve ■ Suitable for all radiator lengths				
	Suitable for				
	Radiator type	Tabeo	Casteo	Duett	Geneo quadris
	Note		from BL 500 mm	from BL 634 mm	from BL 596 mm
Radiator type	Basic-50	Pateo	Rubeo	Verteo	
Note	from BL 564 mm				
Discount group radiator accessories					
Kermi x-link plus pre-assembly unit		ZK0115 0001	1	piece	75.14 / piece
Discount group radiator accessories					
Kermi flexible pipe bend					
	Assembling aid for an easy 90° connection of plastic pipes in the wall area when connecting the x-link plus connection fitting for underfloor heating and the x-link plus pre-assembly unit.				
	■ Simple handling without tools ■ Suitable for 10–16 mm plastic pipes ■ set consisting of 2 pieces				
	Suitable for				
	Radiator type	Tabeo	Casteo	Duett	Geneo quadris
	Note		from BL 500 mm	from BL 634 mm	from BL 596 mm
Radiator type	Basic-50	Pateo	Rubeo	Verteo	
Note	from BL 564 mm				
Discount group radiator accessories					
Kermi flexible pipe bend suitable for 10–16 mm, 2 pcs / packaging unit		ZK0048 0001	2	piece	6.14 / piece

Kermi radiator connection valves

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi valve shut-off block – straight					
Discount group radiator accessories					
	■ Screw connection with 50 mm hub distance with integrated valve and decorative cover ■ For connection to the radiator with G ½" (internal thread), incl. reducing pipe nipple ½" × ¾" ■ Connections to the pipe system ¾" euro taper (external thread) ■ Connection for thermostatic sensor head M30 × 1.5 ■ Adjustable valve (delivery status: for two-pipe system, valve with highest presetting, incl. site protection) ■ Also suitable for one-pipe operation by adjusting the bypass spindle! The integrated thermostatic valve is suitable for flow from both sides (irrespective of the flow direction)				
	Kermi valve shut-off block, D-w Straight, cover White, 1 pc / packaging unit	ZV0040 0001	1	piece	101.84 / piece
	■ Straight, White cover rosette				
	Kermi valve shut-off block, D-c Straight, cover Chrome, 1 pc / packaging unit	ZV0040 0002	1	piece	153.71 / piece
	■ Straight, Chrome cover rosette				
	Kermi valve shut-off block, D-e Straight, cover stainless steel, 1 pc / packaging unit	ZV0040 0003	1	piece	169.47 / piece
	■ Straight, cover rosette with stainless steel look				
Kermi angled valve shut-off block					
Discount group radiator accessories					
	■ Screw connection with 50 mm hub distance with integrated valve and decorative cover ■ For connection to the radiator with G ½" (internal thread), incl. reducing pipe nipple ½" × ¾" ■ Connections to the pipe system ¾" euro taper (external thread) ■ Connection for thermostatic sensor head M30 × 1.5 ■ Adjustable valve (delivery status: for two-pipe system, valve with highest presetting, incl. site protection) ■ Also suitable for one-pipe operation by adjusting the bypass spindle! The integrated thermostatic valve is suitable for flow from both sides (irrespective of the flow direction)				
	Kermi valve shut-off block, E-w Angled, cover White, 1 pc / packaging unit	ZV0041 0001	1	piece	101.84 / piece
	■ Angled, cover rosette White				
	Kermi valve shut-off block, E-c Angled, cover Chrome, 1 pc / packaging unit	ZV0041 0002	1	piece	153.71 / piece
	■ Angled, cover rosette Chrome				
	Kermi valve shut-off block, E-e Angled, cover stainless steel, 1 pc / packaging unit	ZV0041 0003	1	piece	169.47 / piece
	■ Angled, cover rosette with stainless steel look				

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Valve shut-off block set, angled with dynamic flow control					Discount group radiator accessories



Screw fitting angled with 50 mm hub distance between radiator and pipe system incl. integrated valve insert with dynamic flow control and decorative rosette, as an option available in colours White, Chrome, and a stainless steel look.

For connection to radiators with G ½" (internal thread), incl. reducing pipe nipple ½" × ¾". Connections to the pipe system ¾" euro taper (external thread). Connection for thermostatic sensor head M30 × 1.5.

Valve adjustable from 15 to 160 l/h at a differential pressure of 150 mbar, incl. site protection.

Set consisting of:

1 screw fitting with 50 mm hub distance between radiator and pipe system incl. valve with dynamic flow control.

1 decorative cover rosette,

2 reducing pipe nipples.

Cover White	ZV0211 0001	1	piece	130.52 / piece
Cover Chrome	ZV0211 0002	1	piece	188.88 / piece
Cover with stainless steel look	ZV0211 0003	1	piece	204.24 / piece

Straight valve shut-off block set with dynamic flow control					Discount group radiator accessories
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Straight screw fitting with 50 mm hub distance between radiator and pipe system incl. integrated valve insert with dynamic flow control and decorative cover, available as an option in the colours White, Chrome, and a stainless steel look.

For connection to radiators with G ½" (internal thread), incl. reducing pipe nipple ½" × ¾". Connections to the pipe system ¾" euro taper (external thread). Connection for thermostatic sensor head M30 × 1.5.

Valve adjustable from 15 to 160 l/h at a differential pressure of 150 mbar, incl. site protection.

Set consisting of:

1 screw fitting with 50 mm hub distance between radiator and pipe system incl. valve with dynamic flow control.

1 decorative cover rosette,

2 reducing pipe nipples.

Cover White	ZV0212 0001	1	piece	130.52 / piece
Cover Chrome	ZV0212 0002	1	piece	188.88 / piece
Cover with stainless steel look	ZV0212 0003	1	piece	204.24 / piece

Kermi radiator connection valves

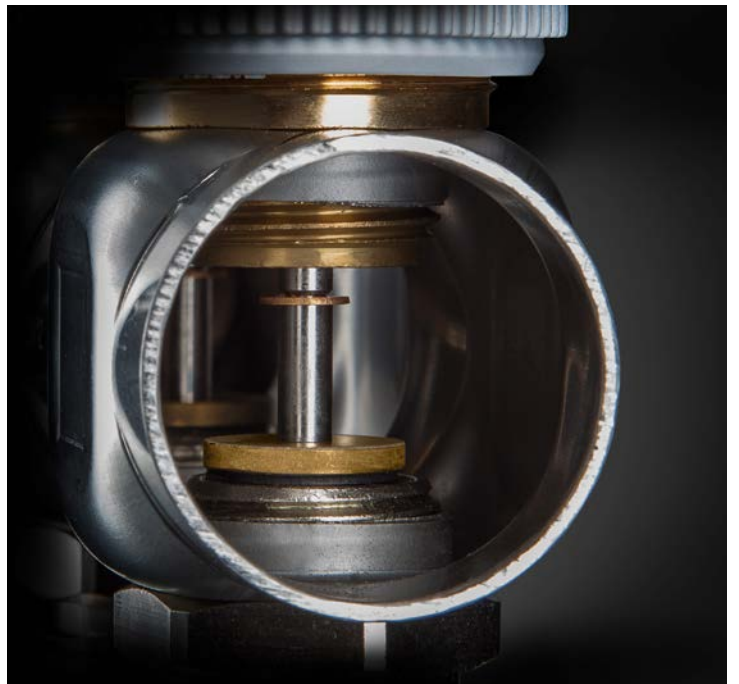
Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Two-pipe valve, straight Discount group radiator accessories					
	■ 50 mm hub distance ■ With ball shut-off valve for valve radiator with 3/4" external thread (euro taper) ■ Pipe ending with 3/4" euro taper to connect copper, mild steel, stainless steel, plastic, and composite metal pipes using suitable clamp screw connections ■ Can be shut off				
	Two-pipe valve, straight 1 pc / packaging unit	ZV0105 0001	1	piece	20.58 / piece
Two-pipe valve, angled Discount group radiator accessories					
	■ 50 mm hub distance ■ With ball shut-off valve for valve radiator with 3/4" external thread (euro taper) ■ Pipe ending with 3/4" euro taper to connect copper, mild steel, stainless steel, plastic, and composite metal pipes using suitable clamp screw connections ■ Can be shut off				
	Two-pipe valve, angled 1 pc / packaging unit	ZV0107 0001	1	piece	20.58 / piece
Angled diverter Discount group radiator accessories					
	For crossover-free connection without crossovers with interchanged supply and return line. 50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe ending with 3/4" euro taper for connection of copper, mild steel, stainless steel, plastic, and metal composite pipes using suitable clamp screw connections.				
	Angled diverter	ZV0237 0001	1	piece	125.04 / piece
Straight diverter Discount group radiator accessories					
	For crossover-free connection without crossovers with interchanged supply and return line. 50 mm hub distance. With ball shut-off valve for valve radiator with 3/4" external thread (euro taper). Pipe ending with 3/4" euro taper to connect copper, mild steel, stainless steel, plastic, and composite metal pipes using suitable clamp screw connections.				
	Straight diverter	ZV0237 0002	1	piece	125.04 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi universal pre-assembling jig Discount group radiator accessories					
	■ Pre-assembling jig with integrated flushing bend ■ Connection G$\frac{3}{4}$" external thread ■ Distance to wall continuously adjustable, enables pre-installation without installation of the valve radiator				
	Kermi universal pre-assembling jig 1 pc / packaging unit	ZK0015 0001	1	piece	29.07 / piece
Kermi x-net HK connection bend 16/300 Discount group radiator accessories					
	■ Nickel-plated Cu pipe 15 x 1 mm ■ 300 mm long ■ Press-fit connection for x-net system pipe 16 x 2				
	Kermi x-net HK connection bend 16/300 2 pcs / packaging unit	ZT0108 0001	2	piece	13.68 / piece
Kermi clamp screw connection Discount group radiator accessories					
	For connecting x-net radiator connection bend and x-net radiator connection T-piece on radiator or on valve shut-off block with $\frac{3}{4}$" external thread and euro taper acc. to DIN EN 16313, forming elastic seal, no support sleeves required, consisting of: ■ Brass clamp ring ■ EPDM sealing cone ■ $\frac{3}{4}$" brass union nut nickel-plated (size 30 mm).				
	Kermi clamp screw connection 15 mm 2 pcs / packaging unit	ZT0139 0004	2	piece	6.24 / piece



System components and accessories

- x-net® system pipes
- x-net® joining technology
- x-net® manifold – accessories
- x-net® manifold cabinets
- x-net® room temperature control
- x-net® system accessories



x-net® system pipes

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net 5-layer PE-Xc pipe					
	■ Cross-linked polyethylene heating pipe, manufactured acc. to DIN 16892 ■ Tested and monitored acc. to DIN 4726 and DIN EN ISO 15875 and DIN EN ISO 21003 ■ DIN-Certco registration 3V200 MVR (P) and 3V375 MVR (P) ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology to protect the EVOH oxygen barrier layer from wear in tough conditions on a construction site ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-Xc pipe 10 × 1.3 120 m 120 m roll in special box	SFRPE010012	120	m	2.45 / m
	Kermi x-net PE-Xc pipe 10 × 1.3 240 m 240 m roll in special box	SFRPE010024	240	m	2.45 / m
	Kermi x-net PE-Xc pipe 12 × 1.4 120 m 120 m roll in special box	SFRPE012012	120	m	2.63 / m
	Kermi x-net PE-Xc pipe 12 × 1.4 240 m 240 m roll in special box	SFRPE012024	240	m	2.63 / m
	Kermi x-net PE-Xc pipe 14 × 2 120 m 120 m roll in special box	SFRPE014012	120	m	2.90 / m
	Kermi x-net PE-Xc pipe 14 × 2 240 m 240 m roll in special box	SFRPE014024	240	m	2.90 / m
	Kermi x-net PE-Xc pipe 14 × 2 600 m 600 m roll in shrink film	SFRPE014060	600	m	2.90 / m
	Kermi x-net PE-Xc pipe 14 × 2 1000 m 1000 m roll in shrink film	SFRPE014100	1000	m	2.90 / m
	Kermi x-net PE-Xc pipe 16 × 2 120 m 120 m roll in special box	SFRPE016012	120	m	3.28 / m
	Kermi x-net PE-Xc pipe 16 × 2 200 m 200 m roll in special box	SFRPE0116020	200	m	3.28 / m
	Kermi x-net PE-Xc pipe 16 × 2 240 m 240 m roll in special box	SFRPE016024	240	m	3.28 / m
	Kermi x-net PE-Xc pipe 16 × 2 600 m 600 m roll in shrink film	SFRPE016060	600	m	3.28 / m
	Kermi x-net PE-Xc pipe 17 × 2 240 m 240 m roll in special box	SFRPE017024	240	m	3.28 / m
	Kermi x-net PE-Xc pipe 17 × 2 600 m 600 m roll in shrink film	SFRPE017060	600	m	3.28 / m
	Kermi x-net PE-Xc pipe 20 × 2 240 m 240 m roll in shrink film	SFRPE020024	240	m	3.87 / m
	Kermi x-net PE-Xc pipe 20 × 2 600 m 600 m roll in shrink film	SFRPE020060	600	m	3.87 / m
	Kermi x-net PE-Xc pipe 25 × 2.3 600 m 600 m roll in shrink film	SFRPE025060	600	m	4.40 / m

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net 5-layer PE-Xc klett pipe					
	■ Cross-linked polyethylene heating pipe wrapped with klett strip, manufactured acc. to DIN 16892 ■ Tested and monitored acc. to DIN 4726 and DIN EN ISO 21003 ■ DIN-Certco registration 3V375 MVR (P) ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology with protected internal oxygen barrier layer ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-Xc Klett pipe 16 x 2 120 m 120 m roll in special box	SFRPEK16012	120	m	4.20 / m
	Kermi x-net PE-Xc Klett pipe 16 x 2 240 m 240 m roll in special box	SFRPEK16024	240	m	4.20 / m
	Kermi x-net PE-Xc Klett pipe 16 x 2 600 m 600 m roll in special box	SFRPEK16060	600	m	4.20 / m
Kermi x-net 5-layer-PE-RT pipe					
	■ Polyethylene heating pipe manufactured acc. to DIN 16833 ■ Tested and monitored acc. to DIN 4726, DIN EN ISO 21003 and DIN EN ISO 22391 ■ DIN-Certco registration 3V271 MVR (P) and 3V414 PE-RT ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology with protected internal oxygen barrier layer ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-RT pipe 14 x 2 240 m 240 m roll in special box	SFRPER14024	240	m	2.26 / m
	Kermi x-net PE-RT pipe 14 x 2 600 m 600 m roll in shrink film	SFRPER14060	600	m	2.26 / m
	Kermi x-net PE-RT pipe 16 x 2 240 m 240 m roll in special box	SFRPER16024	240	m	2.46 / m
	Kermi x-net PE-RT pipe 16 x 2 600 m 600 m roll in shrink film	SFRPER16060	600	m	2.46 / m

x-net[®] system pipes

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net 5-layer PE-Xa pipe					
	■ Cross-linked polyethylene heating pipe, manufactured acc. to DIN 16892 ■ Tested and monitored acc. to DIN 4726 and DIN EN ISO 15875 ■ DIN-Certco registration 3V413PE-Xa ■ Oxygen-tight acc. to DIN 4726 ■ In 5-layer technology with protected internal oxygen barrier layer ■ Twist-free dispensing out of the packaging with the x-net unrolling unit ■ Application class 5, 6 bar ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net PE-Xa-5 pipe 14 × 2 240 m 240 m roll in special box	SFRPXA14024	240	m	3.06 / m
	Kermi x-net PE-Xa-5 pipe 14 × 2 600 m 600 m roll in shrink film	SFRPXA14060	600	m	3.06 / m
	Kermi x-net PE-Xa-5 pipe 16 × 2 240 m 240 m roll in special box	SFRPXA16024	240	m	3.43 / m
	Kermi x-net PE-Xa-5 pipe 16 × 2 600 m 600 m roll in shrink film	SFRPXA16060	600	m	3.43 / m
	Kermi x-net PE-Xa-5 pipe 17 × 2 240 m 240 m roll in special box	SFRPXA17024	240	m	3.43 / m
	Kermi x-net PE-Xa-5 pipe 17 × 2 600 m 600 m roll in shrink film	SFRPXA17060	600	m	3.43 / m
Kermi x-net multi-layer composite pipe (MKV)					
	■ Dimensionally stable multi-layer composite pipe with inside pipe made of PE-RT ■ Tested and monitored acc. to DIN EN ISO 21003 ■ DIN-Certco registration 3V396 MVR (M) ■ Oxygen-tight acc. to DIN 4726 ■ Butt-welded aluminium support layer and external PE-RT protective layer ■ Application class 5, 6 bar ■ Max. 10 bar operating pressure ■ Max. 90 °C operating temperature ■ Smallest bending radius 5 × d				
	Kermi x-net MKV composite pipe 14 × 2 200 m 200 m roll in special box	SHRMR014020	200	m	3.67 / m
	Kermi x-net MKV composite pipe 16 × 2 200 m 200 m roll in special box	SHRMR016020	200	m	4.02 / m
	Kermi x-net MKV composite pipe 16 × 2 500 m 500 m roll in shrink film	SHRMR016050	500	m	4.02 / m

x-net® system pipes / accessories

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net pipe layout bend					
	- Made of impact-resistant plastic - For 90° bends in the x-net system pipes				
	Kermi x-net pipe layout bend 14/16/17 10 pcs / packaging unit	SFZRB016000	10	piece	2.44 / piece
	For pipe dimension 14 × 2, 16 × 2, and 17 × 2				
	Kermi x-net pipe layout bend 20 1 pc / packaging unit	SFZRB020000	1	piece	3.08 / piece
	For pipe dimension 20 × 2				
	Kermi x-net pipe layout bend 25 1 pc / packaging unit	SFZRB025000	1	piece	4.61 / piece
	For pipe dimension 25 × 2.3				
Kermi x-net adhesive pipe protection strip					
	- Made of PE insulation material to protect the pipes in cross-over area of expansion joints - System components of the x-net connect systems - L × W = 300 mm × 67 mm				
	Kermi x-net adhesive pipe protection strip 30 pcs / packaging unit suitable for floating screed	SFZKS000000	30	piece	1.52 / piece
Kermi x-net protective pipe slotted					
	- Polypropylene corrugated pipe slotted 25/20 mm - Colour: Black - As protective pipe for cement screed with screed expansion joints for pipes up to 17 mm Outer diameter				
	Kermi x-net protective pipe slotted 25/20 50 m roll	SHRSR016005	50	m	2.01 / m
Kermi x-net protective pipe overlapped					
	- Polypropylene corrugated pipe overlapped 25/20 mm - Colour: Black - As protective pipe for screed expansion joints for pipes up to 17 mm outer diameter - Particularly suitable for floating screed due to the slots with additional overlap				
	Kermi x-net protective pipe overlapped 25/20 50 m roll suitable for floating screed	SHRSR016105	50	m	2.62 / m

x-net® screw connectors

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net screw coupling					
	For connecting the x-net system pipes, comprising: ■ Brass body and clamp ring screw connections				
	Kermi x-net screw coupling 10 × 1.3 1 pc / packaging unit	SFVSK010000	1	piece	14.11 / piece
	■ Dimension: 10 × 1.3				
	Kermi x-net screw coupling 12 × 1.4 1 pc / packaging unit	SFVSK012000	1	piece	14.11 / piece
	■ Dimension: 12 × 1.4				
	Kermi x-net screw coupling 14 × 2 1 pc / packaging unit	SFVSK014000	1	piece	14.11 / piece
	■ Dimension: 14 × 2				
	Kermi x-net screw coupling 16 × 2 1 pc / packaging unit	SFVSK016000	1	piece	14.11 / piece
	■ Dimension: 16 × 2				
	Kermi x-net screw coupling 17 × 2 1 pc / packaging unit	SFVSK017000	1	piece	16.99 / piece
	■ Dimension: 17 × 2				
Kermi x-net clamp ring screw connection					
	■ To connect the x-net system pipes to x-net manifold ■ Support sleeve with euro taper ■ Clamp ring and union nut ¾" with size 27 mm ■ Material: Brass, nickel-plated				
	Kermi single clamp ring screw connection 10 × 1.3 1 pc / packaging unit	SFVZHKRVE10	1	piece	5.43 / piece
	Kermi x-net clamp ring screw connection 10 × 1.3 2 pcs / packaging unit	SFVZHKRV010	2	piece	5.43 / piece
	Kermi single clamp ring screw connection 12 × 1.4 1 pc / packaging unit	SFVZHKRVE12	1	piece	5.43 / piece
	Kermi x-net clamp ring screw connection 12 × 1.4 2 pcs / packaging unit	SFVZHKRV012	2	piece	5.43 / piece
	Kermi single clamp ring screw connection 14 × 2 1 pc / packaging unit	SFVZHKRVE14	1	piece	5.43 / piece
	Kermi x-net clamp ring screw connection 14 × 2 2 pcs / packaging unit	SFVZHKRV014	2	piece	5.43 / piece
	Kermi single clamp ring screw connection 16 × 2 1 pc / packaging unit	SFVZHKRVE16	1	piece	5.43 / piece
	Kermi x-net clamp ring screw connection 16 × 2 2 pcs / packaging unit	SFVZHKRV016	2	piece	5.43 / piece
	Kermi single clamp ring screw connection 17 × 2 1 pc / packaging unit	SFVZHKRVE17	1	piece	6.49 / piece
	Kermi x-net clamp ring screw connection 17 × 2 2 pcs / packaging unit	SFVZHKRV017	2	piece	6.49 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net adapter screw fitting external thread (AG)					
 	■ To connect the x-net system pipes to 1/2" internal thread				
	Kermi adapter screw fitting 1/2" AG – 10 2 pcs / packaging unit ■ Dimension: 1/2" AG – 10 × 1.3	SFVZHUEV010	2	piece	10.75 / piece
	Kermi adapter screw fitting 1/2" AG – 12 2 pcs / packaging unit ■ Dimension: 1/2" AG – 12 × 1.4	SFVZHUEV012	2	piece	10.75 / piece
	Kermi adapter screw fitting 1/2" AG – 14 2 pcs / packaging unit ■ Dimension: 1/2" AG – 14 × 2	SFVZHUEV014	2	piece	10.75 / piece
	Kermi adapter screw fitting 1/2" AG – 16 2 pcs / packaging unit ■ Dimension: 1/2" AG – 16 × 2	SFVZHUEV016	2	piece	10.75 / piece
	Kermi adapter screw fitting 1/2" AG – 17 2 pcs / packaging unit ■ Dimension: 1/2" AG – 17 × 2	SFVZHUEV017	2	piece	10.98 / piece

x-net[®] press-on connectors

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net press coupling					
	To connect x-net system pipes, consisting of: ■ Brass body and stainless steel ferrules				
	Kermi x-net single press coupling 14 1 pc / packaging unit	SFVPKE14000	1	piece	8.04 / piece
	■ Dimension: 14 × 2				
	Kermi x-net press coupling 14 10 pcs / packaging unit	SFVPK014000	10	piece	8.04 / piece
	■ Dimension: 14 × 2				
	Kermi x-net single press coupling 16 1 pc / packaging unit	SFVPKE16000	1	piece	9.21 / piece
	■ Dimension: 16 × 2				
	Kermi x-net press coupling 16 10 pcs / packaging unit	SFVPK016000	10	piece	9.21 / piece
	■ Dimension: 16 × 2				
	Kermi x-net single press coupling 17 1 pc / packaging unit	SFVPKE17000	1	piece	9.58 / piece
	■ Dimension: 17 × 2				
	Kermi x-net press coupling 17 10 pcs / packaging unit	SFVPK017000	10	piece	9.58 / piece
	■ Dimension: 17 × 2				
Kermi x-net press coupling reduced					
	Brass body with stainless steel ferrules, for x-net system pipes.				
	Kermi x-net press coupling reduced 16–14 10 pcs / packaging unit	SHFPK016014	10	piece	8.77 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net blanking plugs					
	Body material made of brass with stainless steel press sleeve, for x-net system pipes.				
	Kermi x-net blanking plugs 14 10 pcs / packaging unit	SHABS014000	10	piece	6.68 / piece
	Kermi x-net blanking plugs 16 10 pcs / packaging unit	SHABS016000	10	piece	8.22 / piece
Kermi x-net adapter screw connection external thread (AG) ½"					
	Body material made of brass with stainless steel press sleeve, on external thread ½", for x-net system pipes.				
	Kermi x-net adapter screw connection ½" AG – 14 10 pcs / packaging unit	SHFGU0140AG012	10	piece	7.19 / piece
	Kermi x-net adapter screw connection ½" AG – 16 10 pcs / packaging unit	SHFGU0160AG012	10	piece	7.56 / piece
Kermi x-net adapter screw connection internal thread (IG) ½"					
	Body material made of brass with stainless steel press sleeve, on internal thread ½", for x-net system pipes.				
	Kermi x-net adapter screw connection ½" IG – 14 10 pcs / packaging unit	SHFGU0140IG012	10	piece	8.22 / piece
	Kermi x-net adapter screw connection ½" IG – 16 10 pcs / packaging unit	SHFGU0160IG012	10	piece	8.66 / piece
Kermi x-net T-piece					
	Brass body with stainless steel ferrules, for x-net system pipes.				
	Kermi x-net T-piece 14 × 14 × 14 10 pcs / packaging unit	SHFTS014014014	10	piece	11.64 / piece
	Kermi x-net T-piece 16 × 16 × 16 10 pcs / packaging unit	SHFTS016016016	10	piece	14.27 / piece
Kermi x-net T-piece reduced					
	Brass body with stainless steel ferrules, for x-net system pipes.				
	Kermi x-net T-piece 16 × 14 × 16 10 pcs / packaging unit	SHFTS016014016	10	piece	13.98 / piece
Kermi x-net angle					
	Brass body with stainless steel ferrules, for x-net system pipes.				
	Kermi x-net angle 90° 14 × 14 10 pcs / packaging unit	SHFWK014014	10	piece	9.46 / piece
	Kermi x-net angle 90° 16 × 16 10 pcs / packaging unit	SHFWK016016	10	piece	9.75 / piece

x-net® heating circuit manifold

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net manifold 1" standard					
	Underfloor heating manifold 1" made of stainless steel 1.4301 Standard version, consisting of: ■ Profile pipe with 1" union nuts, seals flat against suitable mating piece (e.g. ball valve, not included in scope of delivery) ■ Flow section with fine-control valves, $K_{vs} = 2.46 \text{ m}^3/\text{h}$ ■ with recoverable pre-setting ■ Return section with thermostat inserts for attaching x-net actuators ■ Outlets with $\frac{3}{4}$" external thread euro taper, 50 mm connection spacing ■ 2 brass filling and draining taps $\frac{3}{4}$", on side for filling, bleeding, and draining ■ Wall mount with sound insulation insert, screws, anchors, and heating circuit identification labels				
	Kermi x-net manifold 1" standard-2 for 2 circuits, length 170 mm	SFV02001000	1	piece	149.69 / piece
	Kermi x-net manifold 1" standard-3 for 3 circuits, length 220 mm	SFV03001000	1	piece	193.36 / piece
	Kermi x-net manifold 1" standard-4 for 4 circuits, length 270 mm	SFV04001000	1	piece	227.65 / piece
	Kermi x-net manifold 1" standard-5 for 5 circuits, length 320 mm	SFV05001000	1	piece	263.51 / piece
	Kermi x-net manifold 1" standard-6 for 6 circuits, length 370 mm	SFV06001000	1	piece	299.39 / piece
	Kermi x-net manifold 1" standard-7 for 7 circuits, length 420 mm	SFV07001000	1	piece	335.23 / piece
	Kermi x-net manifold 1" standard-8 for 8 circuits, length 470 mm	SFV08001000	1	piece	372.66 / piece
	Kermi x-net manifold 1" standard-9 for 9 circuits, length 520 mm	SFV09001000	1	piece	408.54 / piece
	Kermi x-net manifold 1" standard-10 for 10 circuits, length 570 mm	SFV10001000	1	piece	444.38 / piece
	Kermi x-net manifold 1" standard-11 for 11 circuits, length 620 mm	SFV11001000	1	piece	480.25 / piece
	Kermi x-net manifold 1" standard-12 for 12 circuits, length 670 mm	SFV12001000	1	piece	514.56 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net heating circuit expansion set standard					
	Set for expanding x-net manifold 1" standard by an additional heating circuit, made of 1.4301 stainless steel special profile, comprising: ■ Expansion piece for flow section with fine-control valve ■ Expansion piece for return section with thermostat insert ■ 2 pcs ¾" twin nipple, self-sealing				
	Kermi x-net heating circuit expansion set standard for 1 circuit, length 85 mm	SFVESS00000	1	piece	63.80 / piece

x-net® heating circuit manifold

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net manifold 1" comfort					
	Underfloor heating manifold 1" made of stainless steel 1.4301 Comfort version, consisting of: ■ Profile pipe with 1" union nuts seals flat against suitable mating piece (e.g. ball valve, not included in scope of delivery) ■ Flow section with flowmeter, adjustable from 0.5–5.0 l/min and can be read through sight glass, Kvs = 1.23 m³/h ■ Return section with thermostat inserts for attaching x-net actuators ■ Outlets with ¾" external thread euro taper, 50 mm connection spacing ■ 2 brass filling and draining taps ¾" on side for filling, bleeding, and draining. ■ Wall mount with sound insulation insert, screws, anchors, and heating circuit identification labels				
	Kermi x-net manifold 1" comfort-2 for 2 circuits, length 170 mm	SFVT0201000	1	piece	178.38 / piece
	Kermi x-net manifold 1" comfort-3 for 3 circuits, length 220 mm	SFVT0301000	1	piece	230.93 / piece
	Kermi x-net manifold 1" comfort-4 for 4 circuits, length 270 mm	SFVT0401000	1	piece	283.32 / piece
	Kermi x-net manifold 1" comfort-5 for 5 circuits, length 320 mm	SFVT0501000	1	piece	335.71 / piece
	Kermi x-net manifold 1" comfort-6 for 6 circuits, length 370 mm	SFVT0601000	1	piece	388.09 / piece
	Kermi x-net manifold 1" comfort-7 for 7 circuits, length 420 mm	SFVT0701000	1	piece	440.65 / piece
	Kermi x-net manifold 1" comfort-8 for 8 circuits, length 470 mm	SFVT0801000	1	piece	493.20 / piece
	Kermi x-net manifold 1" comfort-9 for 9 circuits, length 520 mm	SFVT0901000	1	piece	545.42 / piece
	Kermi x-net manifold 1" comfort-10 for 10 circuits, length 570 mm	SFVT1001000	1	piece	597.82 / piece
	Kermi x-net manifold 1" comfort-11 for 11 circuits, length 620 mm	SFVT1101000	1	piece	650.37 / piece
	Kermi x-net manifold 1" comfort-12 for 12 circuits, length 670 mm	SFVT1201000	1	piece	702.75 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net heating circuit expansion set comfort					
	Set for expanding x-net manifold 1" comfort by an additional heating circuit, made of 1.4301 stainless steel special profile, comprising: ■ Expansion piece for flow section with flowmeter ■ Expansion piece for return section with thermostat insert ■ 2 pcs ¾" twin nipple, self-sealing				
	Kermi x-net heating circuit expansion set comfort for 1 circuit, length 85 mm	SFVEST00000	1	piece	73.11 / piece

x-net® accessories manifold

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net ball valve 1"					
	■ Suitable for x-net manifold 1" with flat-sealing screw connection 1" external thread and internal thread for pipe connection ■ Brass, nickel-plated				
	Kermi single ball valve 1" AG × ¾" IG 1 pc / packaging unit	SFVZHKHE101	1	piece	23.06 / piece
	■ Length: 50 mm				
	Kermi single ball valve 1" AG × 1" IG 1 pc / packaging unit	SFVZHKHE102	1	piece	23.73 / piece
	■ Length: 70 mm				
Kermi x-net corner ball valve set 1"					
	For attaching to x-net manifold 1". Set consisting of:				
	■ Corner ball valve DN 20 in short style ■ Corner ball valve DN 20 in long style ■ With flat-sealing screw connection 1" external thread and internal thread for pipe connection ■ Brass, nickel-plated				
	Kermi x-net corner ball valve set 1" AG × ¾" IG 1 pc / packaging unit	SFVZEKH0003	1	piece	89.24 / piece
	■ Length: 130 mm				
	Kermi x-net corner ball valve set 1" AG × 1" IG 1 pc / packaging unit	SFVZEKH0004	1	piece	96.66 / piece
	■ Length: 150 mm				

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi heat flowmeter installation set (WMZ) 1" horizontal					
	For attaching to x-net manifold 1". Set consisting of: ■ Adapter with sealable union nut for heat flowmeter ■ 3 x-net ball valves DN 20 ■ Internal thread for pipe connection ■ One ball valve each with integrated sensor adapter in flow and return ■ Without heat flowmeter				
	Kermi heat flowmeter installation set 1" AG × ¾" IG H 1 pc / packaging unit	SFVZWMH1001	1	piece	162.09 / piece
	■ Length approx. 260 mm, standard version ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, ¾" AG				
	Kermi heat flowmeter installation set 1" AG × 1" IG H 1 pc / packaging unit	SFVZWMH1002	1	piece	225.31 / piece
	■ Length approx. 310 mm, special version ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, ¾" external thread or heat flowmeter with installation length 130 mm, 1" AG				
Kermi heat flowmeter installation set (WMZ) 1" vertical					
	For attaching to x-net manifold 1". Set consisting of: ■ Adapter with sealable union nut for heat flowmeter ■ 3 x-net ball valves DN 20 ■ Internal thread for pipe connection ■ One ball valve each with integrated sensor adapter in flow and return ■ Without heat flowmeter				
	Kermi heat flowmeter installation set 1" AG × ¾" IG V 1 pc / packaging unit	SFVZWMV1001	1	piece	167.18 / piece
	■ Length approx. 150 mm, standard version ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, ¾" AG				
	Kermi heat flowmeter installation set 1" AG × 1" IG V 1 pc / packaging unit	SFVZWMV1002	1	piece	291.28 / piece
	■ Length approx. 170 mm, special version ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, ¾" external thread or heat flowmeter with installation length 130 mm, 1" AG				

x-net® accessories manifold

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi heat flowmeter installation set (WMZ) AB-PM 1" horizontal					
	For attaching to x-net manifold 1". For differential pressure dependent volume flow limitation. Set consisting of: ■ Balancing valve AB-PM HP with flow restriction and pulse lead (1.5 m) ■ Adapter with sealable union nut for heat flowmeter ■ One ball valve each with integrated sensor adapter in flow and return ■ Without heat flowmeter				
	Kermi heat flowmeter installation set AB-PM 1" H DN20 1 pc / packaging unit ■ Length approx. 265 mm ■ 3 x-net ball valves DN 20 ■ Internal thread for pipe connection 3/4" ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, (3/4" AG)	SFVZHWMH018	1	piece	570.89 / piece
	Kermi heat flowmeter installation set AB-PM 1" H DN25 1 pc / packaging unit ■ Length approx. 300 mm ■ 3 x-net ball valves DN 25 ■ Internal thread for pipe connection 1" ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm (3/4" external thread) or 130 mm (1" AG)	SFVZHWMH019	1	piece	914.46 / piece
Kermi heat flowmeter installation set (WMZ) AB-PM 1" vertical					
	For attaching to x-net manifold 1". For differential pressure dependent volume flow limitation. Set consisting of: ■ Balancing valve AB-PM HP with flow restriction and pulse lead (1.5 m) ■ Adapter with sealable union nut for heat flowmeter ■ One ball valve each with integrated sensor adapter in flow and return ■ Without heat flowmeter				
	Kermi heat flowmeter installation set AB-PM 1" V DN20 1 pc / packaging unit ■ Length approx. 245 mm ■ 3 x-net ball valves DN 20 ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm, (3/4" AG) ■ Internal thread for pipe connection 3/4"	SFVZHWMV018	1	piece	589.40 / piece
	Kermi heat flowmeter installation set AB-PM 1" V DN25 1 pc / packaging unit ■ Length approx. 345 mm ■ 3 x-net ball valves DN 25 ■ Internal thread for pipe connection 1" ■ Adapter with sealable union nut for heat flowmeter with installation length 110 mm (3/4" AG) or 130 mm (1" AG)	SFVZHWMV019	1	piece	829.53 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net shut-off/adjustment valve for underfloor heating manifolds					
	■ For connection to the x-net manifold 1" for regulating the flow rate per manifold; the flow rate can be read through the sight glass ■ Flat seal and 1" external thread on manifold side, 1" union nut, flat seal against suitable mating piece (e.g. ball valve, not included in scope of delivery) to the pipe connection side ■ Display range 4–36 l/min, Kvs = 3.5 m³/h ■ Length: 105 mm				
	Kermi x-net shut-off/adjustment valve for underfloor heating manifold	SFVKH002001	1	piece	146.56 / piece
	1 pc / packaging unit				
Kermi x-net adapter 5/4"					
	■ Special screw connection with 1" internal thread ■ For connecting manifold accessories with 1" external thread to x-net manifold 5/4" ■ Brass, nickel-plated ■ With flat seal 5/4" ■ Total length: 22 mm, ■ Effective length: 8 mm				
	Kermi x-net adapter 5/4" AG × 1" IG	SFVZUE00001	1	piece	18.33 / piece
	1 pc / packaging unit				
Kermi x-net adapter 1"					
	■ Special screw connection with 5/4" union nut ■ For connecting manifold accessories with 5/4" external thread to x-net manifold 1" ■ Brass, nickel-plated ■ With flat seal 1", ■ Total length: 32 mm, ■ Effective length: 32 mm				
	Kermi x-net adapter 1" AG × 5/4" IG	SFVZUE00002	1	piece	21.13 / piece
	1 pc / packaging unit				

x-net® accessories manifold

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net y-pipe					
	■ ¾" union nut for connection to a manifold outlet ■ 2 outlets with ¾" external thread and euro taper				
	Kermi x-net y-pipe 2 pcs / packaging unit	SFVZHHS0001	2	piece	23.56 / piece
Kermi x-net flowmeter					
	■ Adapter for direct attachment to ¾" euro taper connection thread to x-net manifold in return ■ Display range: 1.0–4.0 l/min				
	Kermi x-net flowmeter 1 pc / packaging unit	SFVZHDFM002	1	piece	38.94 / piece
Kermi x-net return thermometer					
	■ Adapter for direct attachment to ¾" external thread euro taper connection thread to x-net manifold in return ■ Display range: 0–80 °C				
	Kermi x-net return thermometer 1 pc / packaging unit	SFVZHRTH000	1	piece	36.14 / piece
Kermi x-net contact thermometer					
	■ For temperature measurement in flow and return section of x-net manifold ■ With tension spring for quick attachment ■ Display range: 0–60 °C				
	Kermi x-net contact thermometer 1 pc / packaging unit	SFVZHATH000	1	piece	25.44 / piece

x-net® control station

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net control station standard 1"					
	■ For the decentralised control of the flow temperature with constant temperature controller (can be set permanently to a value between 20 °C to 50 °C) ■ Can be installed between x-net ball valve and x-net heating circuit manifold, 232 mm length, 125 mm depth ■ Take minimum installation depth of 136 mm for cabinet into consideration ■ Mixer valve with integrated temperature sensor, ■ With thermometer on secondary side, ■ With safety temperature monitor 60 °C ■ High efficiency pump WILO Para 15–130/6–43 SC (EEI < 0.20) ■ Fully wired with power connection ■ Pre-assembled for connection on the left				
	■ Technical data: - Operating pressure max. 6 bar - Primary flow temperature max. 90 °C - Secondary flow temperature max. 50 °C - Flow rate max. 3.2 m³/h - Delivery head max. 6.0 mWS - Operating voltage 230 V / 50 Hz - Power consumption 3 to 43 W - Energy efficiency index ≤ 0.20 acc. to EC Regulation 641/2009				
Kermi x-net control station standard 1" Fully wired		SFERSS00003	1	piece	943.35 / piece

ErP Directive

With an energy efficiency index of ≤ 0.20 , the x-net control station standard 1" complies with the ErP Directive requirements (Efficiency class A).

Manifold cabinet options

	Kermi x-net manifold cabinet US flush-mounted Standard	Kermi x-net manifold cabinet U-XL flush-mounted Comfort XL
Frame/door		
■ Version	 12 mm frame with step, rotary latch made of plastic, Depth offset up to 35 mm	 Frame without a step, rotary latch made of metal, Depth offset up to 35 mm
■ Front opening	Height of front opening: 478 mm	Easy to install, generously proportioned, front opening, Height of front opening: 568 mm
Body		
■ Manifold installation area	 C-rails for manifold installation	 C-rails for manifold installation
■ Electrical installation area		 generously proportioned electrical installation area in the upper third of the cabinet quick and tool-free installation of the x-net quick-fix set for fixing the x-net terminal strips in place and space-optimised cable routing in the electrical installation area
■ Adjustment of floor installation height marking for top edge of finished floor	 pull-out cabinet feet	 pull-out cabinet feet with measurement scale (floor mounting) marking with notch on both sides of cabinet body

x-net® flush-mounted manifold cabinets

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net manifold cabinet U-XL flush-mounted comfort XL, painted					
	Cabinet for flush-mounted installation in comfort version, comprising:				
	■ Body, door with frame and screed edge trim made from electrolytically galvanised sheet steel				
	■ Visible parts powder-coated in White (similar to RAL 9016)				
	■ Electrical installation area in upper third of cabinet to hold the x-net quick fix set for space-optimised cable routing in the cable routing level and for fixing the x-net terminal strips in place				
	■ Rear wall with 2 removable mounting rails				
	■ Removable pipe bend rail and screed edge trim				
	■ Door with rotary latch made of metal				
	■ Side walls with openings for flow and return connections				
	■ Frame and door packed separately				
	■ Height 760 to 890 mm; depth 110 to 150 mm				
Kermi x-net manifold cabinet U-XL-L1 UP comfort XL painted, width: 450 mm					
		SFSUPXL110L01	1	piece	261.62 / piece
Kermi x-net manifold cabinet U-XL-L2 UP comfort XL painted, width: 535 mm					
		SFSUPXL110L02	1	piece	284.62 / piece
Kermi x-net manifold cabinet U-XL-L3 UP comfort XL painted, width: 685 mm					
		SFSUPXL110L03	1	piece	317.68 / piece
Kermi x-net manifold cabinet U-XL-L4 UP comfort XL painted, width: 835 mm					
		SFSUPXL110L04	1	piece	347.87 / piece
Kermi x-net manifold cabinet U-XL-L5 UP comfort XL painted, width: 985 mm					
		SFSUPXL110L05	1	piece	385.25 / piece
Kermi x-net manifold cabinet U-XL-L6 UP comfort XL painted, width: 1135 mm					
		SFSUPXL110L06	1	piece	454.25 / piece
Kermi x-net manifold cabinet U-XL-L7 UP comfort XL painted, width: 1435 mm					
		SFSUPXL110L07	1	piece	530.43 / piece
Kermi x-net manifold cabinet US80 flush-mounted standard, painted, depth 80 mm					
	Cabinet with reduced depth (80 mm) for flush-mounted installation in standard version, comprising:				
	■ Body, door with frame and screed edge trim made from electrolytically galvanised sheet steel				
	■ Visible parts powder-coated in White (similar to RAL 9016)				
	■ Rear wall with 2 removable mounting rails				
	■ Height-adjustable installation feet				
	■ Removable pipe bend rail				
	■ Side walls with openings for flow and return connections				
	■ Frame and door packed separately				
	■ Height = 710 to 840 mm; depth = 80 mm to 120 mm				
Kermi x-net manifold cabinet US80-L1, width: 450 mm					
		SFSUP080L01	1	piece	182.88 / piece
Kermi x-net manifold cabinet US80-L2, width: 535 mm					
		SFSUP080L02	1	piece	198.24 / piece
Kermi x-net manifold cabinet US80-L3, width: 685 mm					
		SFSUP080L03	1	piece	223.74 / piece
Kermi x-net manifold cabinet US80-L4, width: 835 mm					
		SFSUP080L04	1	piece	242.58 / piece
Kermi x-net manifold cabinet US80-L5, width: 985 mm					
		SFSUP080L05	1	piece	268.25 / piece
Kermi x-net manifold cabinet US80-L6, width: 1135 mm					
		SFSUP080L06	1	piece	316.02 / piece

x-net® flush-mounted manifold cabinets

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net manifold cabinet US flush-mounted standard, painted, depth 110 mm					
	Cabinet for flush-mounted installation in standard version, comprising:				
	■ Body, door with frame and screed edge trim made from electrolytically galvanised sheet steel				
	■ Visible parts powder-coated in White (similar to RAL 9016)				
	■ Rear wall with 2 removable mounting rails				
	■ Removable pipe bend rail				
	■ Door with rotary latch				
	■ Side walls with openings for flow and return connections				
	■ Frame and door packed separately				
	■ Height 710 to 840 mm; depth 110 to 150 mm				
	Kermi x-net manifold cabinet US-L1, width: 450 mm	SFSUPST0L01	1	piece	188.42 / piece
	Kermi x-net manifold cabinet US-L2, width: 535 mm	SFSUPST0L02	1	piece	204.79 / piece
	Kermi x-net manifold cabinet US-L3, width: 685 mm	SFSUPST0L03	1	piece	229.79 / piece
	Kermi x-net manifold cabinet US-L4, width: 835 mm	SFSUPST0L04	1	piece	250.10 / piece
	Kermi x-net manifold cabinet US-L5, width: 985 mm	SFSUPST0L05	1	piece	276.91 / piece
	Kermi x-net manifold cabinet US-L6, width: 1135 mm	SFSUPST0L06	1	piece	326.49 / piece
Kermi x-net manifold cabinet US flush-mounted standard, painted with plastic doors, depth 110 mm					
	Cabinet for flush-mounted installation in standard version, comprising:				
	■ Body and screed edge trim made of electrolytically galvanised steel sheet; visible parts powder coated in White (similar to RAL 9016)				
	■ Rear wall with 2 removable mounting rails				
	■ Removable pipe bend rail				
	■ Side walls with openings for flow and return connections				
	■ Removable and adjustable front cover				
	Front cover consisting of:				
	■ Plug-in door frame made of electrolytically galvanised sheet steel, coated in White (similar to RAL 9016), for flush-mounted wall installation				
	■ Plastic doors, fine-cell foam with finely textured surface in White, can be painted and wall-papered incl. lock with key				
	■ Door frame and door packaged separately				
	Height 710 to 840 mm; depth 110 to 150 mm				
	Kermi x-net cabinet US-L1, plastic door Width: 450 mm	SFSUPSTKL01	1	piece	237.32 / piece
	Kermi x-net cabinet US-L2, plastic door Width: 535 mm	SFSUPSTKL02	1	piece	259.30 / piece
	Kermi x-net cabinet US-L3, plastic door Width: 685 mm	SFSUPSTKL03	1	piece	292.22 / piece
	Kermi x-net cabinet US-L4, plastic door Width: 835 mm	SFSUPSTKL04	1	piece	325.26 / piece
	Kermi x-net cabinet US-L5, plastic door Width: 985 mm	SFSUPSTKL05	1	piece	369.23 / piece
	Kermi x-net cabinet US-L6, plastic door Width: 1135 mm	SFSUPSTKL06	1	piece	470.60 / piece

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net lock with key					
Discount group radiator accessories					
	Suitable for manifold cabinet doors of manifold cabinet models comfort and standard.				
	Kermi x-net lock with key 1 pc / packaging unit	ZK0069 0001	1	piece	15.05 / piece

Manifold size assignment

With ball valve, corner ball valve or heat flowmeter installation set

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")						
		Ball valve ¾" IG	Ball valve 1" IG	Corner ball valve ¾" IG / 1" IG	heat flowmeter horizontal ¾" IG	heat flowmeter vertical ¾" IG	heat flowmeter horizontal 1" IG	heat flowmeter vertical 1" IG
L1	450	5	5	3	0	3	0	3
L2	535	7	6	5	3	5	2	4
L3	685	10	9	8	6	8	5	7
L4	835	12	12	11	9	11	8	10
L5	985	12	12	12	12	12	11	12
L6	1135	12	12	12	12	12	12	12
L7*	1435	12	12	12	12	12	12	12

* Cabinet size L7 is only available in the manifold cabinet version U-XL flush-mounted comfort XL.

With AB-PM installation set or shut-off/adjustment valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")								
		Heat flowmeter AB-PM DN20 horizontal	Heat flowmeter AB-PM DN20 vertical	Heat flowmeter AB-PM DN25 horizontal	Heat flowmeter AB-PM DN25 vertical	Shut-off/ adjustment valve and ball valve **	Shut-off/ adjustment valve and heat flowmeter horizontal ¾" IG	Shut-off/ adjustment valve and heat flowmeter vertical ¾" IG	Shut-off/ adjustment valve and heat flowmeter horizontal 1" IG	Shut-off/ adjustment valve and heat flowmeter vertical 1" IG
L1	450	0	0	0	0	4	0	0	0	0
L2	535	2	3	2	0	6	3	3	2	2
L3	685	5	6	5	4	9	6	6	5	5
L4	835	8	9	8	7	12	9	9	8	8
L5	985	11	12	11	10	12	12	12	11	11
L6	1135	12	12	12	12	12	12	12	12	12
L7*	1435	12	12	12	12	12				

* Cabinet size L7 is only available in the manifold cabinet version U-XL flush-mounted comfort XL.

** Only one ball valve required in flow or return.

A ball valve does not need to be installed between shut-off/adjustment valve and branch line, as the shut-off/adjustment valve has a shut-off function.

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

x-net® flush-mounted manifold cabinets

Manifold size assignment

Control station standard 1"*** with ball valve, corner ball valve, or heat flowmeter installation set (WMZ)

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")					
		Control station and ball valve ¾" IG / 1" IG	Control station and Corner ball valve ¾" IG / 1" IG	Control station and heat flowmeter horizontal ¾" IG	Control station and heat flowmeter vertical ¾" IG	Control station and heat flowmeter horizontal 1" IG	Control station and heat flowmeter vertical 1" IG
L1	450	0	0	0	0	0	0
L2	535	2	0	0	0	0	0
L3	685	5	3	0	3	0	3
L4	835	8	6	4	6	3	6
L5	985	11	9	7	9	6	9
L6	1135	12	12	10	12	9	12
L7*	1435	12	12	12	12	12	12

* Cabinet size L7 is only available in the manifold cabinet version U-XL flush-mounted comfort XL.

** When installing a control station, flush-mounted manifold cabinets must be positioned deep enough in the wall that there is sufficient installation space between the cabinet door and rear wall of the cabinet. To allow this, a minimum wall thickness of around 150 mm is required.

Control station standard 1"*** with AB-PM installation set or shut-off/adjustment valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")				
		Control station and heat flowmeter AB-PM DN20 horizontal	Control station and heat flowmeter AB-PM DN20 vertical	Control station and heat flowmeter AB-PM DN25 horizontal	Control station and heat flowmeter AB-PM DN25 vertical	Control station and shut-off/adjustment valve with ball valve
L1	450	0	0	0	0	0
L2	535	0	0	0	0	0
L3	685	0	0	0	0	4
L4	835	4	4	3	2	7
L5	985	7	7	6	5	10
L6	1135	10	10	9	8	12
L7*	1435	12	12	12	12	12

* Cabinet size L7 is only available in the manifold cabinet version U-XL flush-mounted comfort XL.

** When installing a control station, flush-mounted manifold cabinets must be positioned deep enough in the wall that there is sufficient installation space between the cabinet door and rear wall of the cabinet. To allow this, a minimum wall thickness of around 150 mm is required.

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.
Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

x-net® surface-mounted manifold cabinets

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
	Kermi x-net manifold cabinet A-XL surface-mounted Comfort XL, painted				
	Cabinet for surface-mounted installation in comfort version, comprising: ■ Body made of electrolytically galvanised steel sheet ■ Visible parts powder-coated in White (similar to RAL 9016) ■ Electrical installation area in upper third of cabinet to hold the x-net quick fix set for space-optimised cable routing in the cable routing level and for fixing the x-net terminal strips in place ■ Rear wall with 2 removable mounting rails ■ Height-adjustable installation feet ■ Door with rotary latch made of metal ■ Height = 710 mm to 840 mm; depth = 125 mm				
	Kermi x-net manifold cabinet A-XL-L1 AP comfort XL painted, width: 490 mm	SFSAPXL125L01	1	piece	276.00 / piece
	Kermi x-net manifold cabinet A-XL-L2 AP comfort XL painted, width: 575 mm	SFSAPXL125L02	1	piece	299.00 / piece
	Kermi x-net manifold cabinet A-XL-L3 AP comfort XL painted, width: 725 mm	SFSAPXL125L03	1	piece	332.06 / piece
	Kermi x-net manifold cabinet A-XL-L4 AP comfort XL painted, width: 875 mm	SFSAPXL125L04	1	piece	362.25 / piece
	Kermi x-net manifold cabinet A-XL-L5 AP comfort XL painted, width: 1025 mm	SFSAPXL125L05	1	piece	399.63 / piece
	Kermi x-net manifold cabinet A-XL-L6 AP comfort XL painted, width: 1175 mm	SFSAPXL125L06	1	piece	468.62 / piece
	Kermi x-net manifold cabinet A-XL-L7 AP comfort XL painted, width: 1475 mm	SFSAPXL125L07	1	piece	544.81 / piece

Manifold size assignment

With ball valve, corner ball valve or heat flowmeter installation set

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")						
		ball valve ¾" IG	Ball valve 1" IG	Corner ball valve ¾" IG / 1" IG	Heat flowmeter horizontal ¾"	Heat flowmeter vertical ¾"	Heat flowmeter horizontal 1" IG	Heat flowmeter vertical 1" IG
L1	490	6	5	4	2	4	0	3
L2	575	8	7	6	3	6	2	5
L3	725	11	10	9	6	9	5	8
L4	875	12	12	12	9	12	8	11
L5	1025	12	12	12	12	12	11	12
L6	1175	12	12	12	12	12	12	12
L7	1475	12	12	12	12	12	12	12

With AB-PM installation set or shut-off/adjustment valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")								
		Heat flowmeter AB-PM DN20 horizontal	Heat flowmeter AB-PM DN20 vertical	Heat flowmeter AB-PM DN25 horizontal	Heat flowmeter AB-PM DN25 vertical	Shut-off/ adjustment valve and ball valve*	Shut-off/ adjustment valve and heat flowmeter horizontal ¾" IG	Shut-off/ adjustment valve and heat flowmeter vertical ¾" IG	Shut-off/ adjustment valve and heat flowmeter horizontal 1" IG	Shut-off/ adjustment valve and heat flowmeter vertical 1" IG
L1	490	2	2	0	0	5	2	2	0	0
L2	575	3	4	3	2	6	3	3	2	3
L3	725	6	7	6	5	9	6	6	5	6
L4	875	9	10	9	8	12	9	9	8	9
L5	1025	12	12	12	11	12	12	12	11	12
L6	1175	12	12	12	12	12	12	12	12	12
L7	1475	12	12	12	12	12	12	12	12	12

* Only one ball valve required in flow or return.

A ball valve does not need to be installed between shut-off/adjustment valve and branch line, as the shut-off/adjustment valve has a shut-off function.

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

x-net® flush-mounted lightweight cabinet

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net lightweight cabinet UL-L flush-mounted, painted, depth 110–150 mm					
	Lightweight cabinet designed to be flush-mounted. Installation of the cabinet requires the customer to secure the body at several points around its outline.				
	Consisting of: ■ Body, doors, and extendible screed edge trim made of galvanised sheet steel ■ Visible parts painted White (similar to RAL 9016) ■ Rear wall with 2 removable mounting rails ■ Permanently fixed pipe bend rail ■ Door with rotary latch and coin-operated lock ■ Side walls with openings for flow and return connections ■ Height 750 to 850 mm; depth 110 to 150 mm The extendible screed edge trim butt-joins the screed surface (formation of a permanently elastic joint on site required). Required depth of wall recess = 145 mm. Tension-free pipe connections required (use of pipe layout bends recommended).				
Kermi x-net manifold cabinet UL-L1, width: 450 mm		SFSUPUL0L01	1	piece	169.62 / piece
Kermi x-net manifold cabinet UL-L2, width: 550 mm		SFSUPUL0L02	1	piece	184.33 / piece
Kermi x-net manifold cabinet UL-L3, width: 700 mm		SFSUPUL0L03	1	piece	206.91 / piece
Kermi x-net manifold cabinet UL-L4, width: 850 mm		SFSUPUL0L04	1	piece	225.06 / piece
Kermi x-net manifold cabinet UL-L5, width: 1000 mm		SFSUPUL0L05	1	piece	249.27 / piece
Kermi x-net manifold cabinet UL-L6, width: 1200 mm		SFSUPUL0L06	1	piece	293.76 / piece

Manifold size assignment

With ball valve, corner ball valve or heat flowmeter installation set

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")					
		Ball valve ¾" IG / 1" IG	Corner ball valve ¾" IG / 1" IG	Heat flowmeter horizontal ¾" IG	Heat flowmeter vertical ¾" IG	Heat flowmeter horizontal 1" IG	Heat flowmeter vertical 1" IG
L1	450	5	3	0	3	0	3
L2	550	7	5	3	5	2	5
L3	700	10	8	6	8	5	8
L4	850	12	11	9	11	8	11
L5	1000	12	12	12	12	11	12
L6	1200	12	12	12	12	12	12

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

With AB-PM installation set or shut-off/adjustment valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")								
		Heat flowmeter AB-PM DN20 horizontal	Heat flowmeter AB-PM DN20 vertical	Heat flowmeter AB-PM DN25 horizontal	Heat flowmeter AB-PM DN25 vertical	Shut-off/adjustment valve and ball valve*	Shut-off/adjustment valve and heat flowmeter horizontal ¾" IG	Shut-off/adjustment valve and heat flowmeter vertical ¾" IG	Shut-off/adjustment valve and heat flowmeter horizontal 1" IG	Shut-off/adjustment valve and heat flowmeter vertical 1" IG
L1	450	0	0	0	0	4	0	0	0	0
L2	550	3	3	2	0	6	3	3	2	3
L3	700	6	6	5	4	9	6	6	5	6
L4	850	9	9	8	7	12	9	9	8	9
L5	1000	12	12	11	10	12	12	12	11	12
L6	1200	12	12	12	12	12	12	12	12	12

* Only one ball valve required in flow or return.

A ball valve does not need to be installed between shut-off/adjustment valve and branch line, as the shut-off/adjustment valve has a shut-off function."

Control station standard 1*** with ball valve, corner ball valve, or heat flowmeter installation set (WMZ)

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")						
		Control station and ball valve ¾" IG / 1" IG	Control station and corner ball valve ¾" IG	Control station and corner ball valve 1" IG	Control station and heat flowmeter horizontal ¾"	Control station and heat flowmeter vertical ¾"	Control station and heat flowmeter horizontal 1" IG	Control station and heat flowmeter vertical 1" IG
L1	450	0	0	0	0	0	0	0
L2	550	2	0	0	0	0	0	0
L3	700	5	4	3	0	3	0	3
L4	850	8	7	6	4	6	3	6
L5	1000	11	10	9	7	9	6	9
L6	1200	12	12	12	11	12	10	12

** When installing a control station, flush-mounted manifold cabinets must be positioned deep enough in the wall that there is sufficient installation space between the cabinet door and rear wall of the cabinet. To allow this, a minimum wall thickness of around 150 mm is required.

Control station standard 1*** with heat flowmeter installation set AB-PM or shut-off/adjustment valve

Cabinet size	Cabinet width inside	Suitable for number of heating circuits (when using the x-net manifold 1")				
		Control station and heat flowmeter AB-PM DN20 horizontal	Control station and heat flowmeter AB-PM DN20 vertical	Control station and heat flowmeter AB-PM DN25 horizontal	Control station and heat flowmeter AB-PM DN25 vertical	Control station and shut-off/adjustment valve with ball valve*
L1	450	0	0	0	0	0
L2	550	0	0	0	0	0
L3	700	0	0	0	0	4
L4	850	4	4	3	2	7
L5	1000	7	7	6	5	10
L6	1200	11	11	10	9	12

* Only one ball valve required in flow or return.

A ball valve does not need to be installed between shut-off/adjustment valve and branch line, as the shut-off/adjustment valve has a shut-off function.

** When installing a control station, flush-mounted manifold cabinets must be positioned deep enough in the wall that there is sufficient installation space between the cabinet door and rear wall of the cabinet. To allow this, a minimum wall thickness of around 150 mm is required.

The stated number of heating circuits per cabinet model takes sufficient lateral installation clearance into account.

Technical data sheets with dimensional drawings for the manifold cabinets and installation components are available in the download area of www.kermi.com.

x-net® control standard

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net wall mounted controller LCD 230 V					
	Room temperature controller with LCD display. Options / technical details: ■ Operating voltage: 230 V ■ Adjustment range for setpoint temperature: 5–30 °C ■ Switching capacity: maximum 4 actuators ■ Colour: White (similar to RAL 9010) ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 31 mm Functions: ■ High quality display showing actual temperature, operating status, and time ■ Automatic mode ■ Night mode ■ Operation lock ■ Antifreeze protection ■ Valve protection function ■ Easy, language-neutral operation ■ Adjustable temperature range ■ Eco-operation / night-time reduction using input for external timer				
	Kermi x-net wall mounted controller LCD 230 V Installation instructions included in scope of delivery	SFEER001230	1	piece	80.33 / piece
Kermi x-net wall mounted controller 230 V					
	Wall-mounted room temperature controller with rotary knob. Options / technical details: ■ Operating voltage: 230 V ■ Switching capacity: maximum 4 actuators ■ Setpoint from 1–5 (5–30 °C) ■ Colour: White (similar to RAL 9010) ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 75 × 75 × 27.5 mm Functions: ■ With thermal feedback ■ Adjustable temperature range				
available until 30.06.2022	Kermi x-net wall mounted controller 230 V Installation instructions included in scope of delivery	SFEER002230	1	piece	50.38 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net wall mounted controller 230 V					
	Room temperature controller with rotary knob.				
	Options / technical details: ■ Operating voltage: 230 V ■ Switching capacity: maximum 4 actuators ■ Setpoint from 1–5 (10–28 °C) ■ Colour: White (similar to RAL 9010) ■ Wall installation and installation on flush-mounted box possible, reliably covers the flush-mounted box with a base area on wall of 76 × 76 mm ■ External dimensions: W × H × T = 86 × 86 × 29 mm				
	Functions: ■ Heating ■ Adjustable temperature range ■ Reduction input ■ Antifreeze protection ■ Valve protection function				
can be ordered from 01.04.2022					
NEW Kermi x-net wall mounted controller 230 V					
	Installation instructions included in scope of delivery	SFEER006230	1	piece	49.98 / piece
Kermi x-net flush-mounted controller 230 V					
	Flush-mounted room temperature controller with rotary knob.				
	Options / technical details: ■ Operating voltage: 230 V ■ Switching capacity: maximum 4 actuators ■ Setpoint from 1–6 (5–30 °C) ■ Colour: White (similar to RAL 9010) ■ Installation in flush-mounted box (deep version recommended) ■ Can be integrated in on-site sockets / light switch covers (50 × 50 mm) ■ Dimensions: W × H × D = 81 × 85 × 16 mm				
	Functions: ■ With thermal feedback ■ Adjustable temperature range Optional: ■ Cover sets available in other colours (different shades of White)				
	Kermi x-net flush-mounted controller 230 V				
	Installation instructions included in scope of delivery	SFEER003230	1	piece	113.26 / piece

Overview of x-net terminal/control strips of x-net control standard

Terminal strip without pump switch-off	
	
	x-net terminal strip plus 6R 230 V
Item number	SFEKL001230
Supply voltage	230 V
Communication room thermostat	Cable
Connection system	Plug-in terminal contact
Max. number of room thermostats	6 wall-mounted controllers
Max. power consumption	max. 24 watts
Possible number of actuators	max. 18 actuators
Range of functions / technical data	
Quick-fix set	●
Integrated strain relief	●
Integrated overload protection	●
Free assignment of actuators to room controllers using rotary selector	
Pumps/heating switch-off	
Input for external timer (eco mode / night-time reduction)	●
Input for humidity sensor / dew point monitor	
Change over signal input on site (potential-free contact)	
Heating/cooling with heating/cooling controller (controller with change over signal)*	
Heating/cooling with standard heating controllers	
Signalling the status with LEDs	
Disabling cooling by zone	
Integrated automatic hydraulic balancing	
Boiler connection	
Automatic detection controller connected	
Meets requirements of GEG BAFA subsidy option (Government subsidy for efficient buildings)	

* The central change-over signal (e.g. from a heat pump) must be wired to C/O input via relay potential-free.

Terminal/control strip with pump switch-off



NEW

x-net terminal strip plus 6R PU 230 V	x-net terminal strip plus 10R PU 230 V	x-net terminal strip flex plus 8R PU 230 V	x-net control strip pro plus 8R PU 230 V
SFEKL002230	SFEKL003230	SFEKL004230	SFERL001230
230 V	230 V	230 V	230 V
Cable	Cable	Cable	Cable
Plug-in terminal contact	Plug-in terminal contact	Plug-in terminal contact	Plug-in terminal contact
6 wall-mounted controllers	10 wall-mounted controllers	8 wall-mounted controllers	8 wall-mounted controllers
max. 24 watts	max. 24 watts	max. 24 watts	max. 24 watts
max. 18 actuators	max. 18 actuators	max. 12 actuators	max. 17 actuators
•	•	•	•
•	•	•	•
•	•	•	•
		•	
•	•	•	•
•	•	•	•
•	•	•	•
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x-net® control standard

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net terminal strip plus – without pump switch-off					
	Connection unit to connect the standard room temperature controller of the x-net standard controller to the x-net actuators and control actuators EGO. Installation in the manifold cabinet is flexible, quick, and safe with the pre-assembled Kermi x-net quick-fix set for magnetic surfaces. Consisting of: Kermi x-net terminal strip plus 6R 230 V Options/technical details: ■ Operating voltage: 230 V ■ Simple and quick installation with high quality plug-in clamp contacts ■ Strain relief integrated ■ Overload protection integrated ■ Also suitable for wall installation or on a top hat rail ■ Input for external timer (2 zones possible) ■ For a maximum of 6 x-net room temperature controllers Kermi x-net quick-fix set: Installation accessories for quick installation of the x-net terminal strip plus in the x-net manifold cabinets, consisting of: ■ 2 plastic brackets with powerful magnets integrated ■ 1 top hat rail 400 mm Suitable for installation in magnetic surfaces Dimensions: L × W × H = 404 × 90 × 80 mm				
	Kermi x-net terminal strip plus 6R 230 V For a maximum of 6 x-net room temperature controllers	SFEKL001230	1	piece	165.31 / piece
Kermi x-net terminal strip plus – with pump switch-off					
	Refer to Kermi terminal strip plus 6R 230 V (SFEKL001230). ■ Pumps/heating switch-off ■ Input for x-net dew point monitor and change-over signal to switch between heating/cooling ■ In combination with x-net wall-mounted controller T-LCD 230 V for German Energy Saving Regulation (EnEV) – compliant control with home stations and control station standard 1".				
	Kermi x-net terminal strip plus 6R PU 230 V For a maximum of 6 x-net room temperature controllers	SFEKL002230	1	piece	195.49 / piece
	Kermi x-net terminal strip plus 10R PU 230 V For a maximum of 10 x-net room temperature controllers	SFEKL003230	1	piece	221.38 / piece

Number of actuator connection clamps per controller output

Controller output	6R 230 V	6R PU 230 V	10R PU 230 V
1	5	5	5
2	2	2	2
3	1	1	2
4	1	1	1
5	2	2	1
6	4	4	1
7			1
8			2
9			2
10			4

Maximum nominal load of a total of 24 W can be connected.

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi terminal strip flex plus 8R PU 230 V					
	Connection unit for connecting the room temperature controller of the x-net standard controller to the x-net actuators and EGO control actuators. With rotary switches for variable assignment of all actuators to the room thermostats. Installation in the manifold cabinet is flexible, quick, and safe with the pre-assembled Kermi x-net quick fix set for magnetic surfaces. Consisting of: Kermi terminal strip flex plus 8R PU 230 V Options / technical details: ■ 8 room temperature controllers and 12 actuators can be connected ■ Operating voltage: 230 V ■ Simple and quick installation with high quality plug-in terminal contacts ■ LED status displays for mains voltage, pump logic, and active actuators ■ Strain relief for cables integrated ■ Overload protection integrated ■ Input for external timer or change-over signal ■ With pump switch-off ■ Heating/cooling Kermi x-net quick-fix set: Installation accessories for quick installation of the x-net terminal strip plus in the x-net manifold cabinets, consisting of: ■ 2 plastic brackets with powerful magnets integrated ■ 1 top hat rail 400 mm Suitable for installation in magnetic surfaces Dimensions: L x W x H = 404 x 100 x 80 mm				
Kermi terminal strip flex plus 8R PU 230 V For a maximum of 8 x-net room temperature controllers		SFEKL004230	1	piece	271.69 / piece

x-net® control standard

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi control strip pro plus 8R 230 V					
	Connection and control unit for connecting the room temperature controller of the x-net Standard controller to the x-net actuators. With integrated, automatic hydraulic balancing. The intelligent control characteristic ensures demand-oriented control of the connected actuators. TÜV certified, qualifies for subsidy (BEG), meets the requirements of GEG. Heating and cooling function with commercially available 230 V heating room controllers by inverting the controller signal in cooling mode. Installation in the manifold cabinet is flexible, quick, and safe with the pre-assembled Kermi x-net quick fix set for magnetic surfaces. Consisting of: Kermi control strip pro plus 8R 230 V Options / technical details: ■ Up to 8 room thermostats and 17 actuators can be connected ■ Operating voltage: 230 V ■ Simple and quick installation with high quality plug-in terminal contacts ■ LED status displays for mains voltage, pump logic, heating/cooling, and active actuators ■ Strain relief for cables integrated ■ Overload protection integrated ■ Input for external timer, change-over signal and dewpoint monitor ■ Pump shutdown and boiler control ■ Heating/cooling, it is possible to disable cooling by zone Kermi x-net quick-fix set: Installation accessories for quick installation of the x-net control strips plus in the x-net manifold cabinets, consisting of: ■ 2 plastic brackets with powerful magnets integrated ■ 1 top hat rail 400 mm Suitable for installation in magnetic surfaces Advantages: ■ Integrated, automatic hydraulic balancing, without flow and return sensor ■ Heating and cooling function with commercially available 230 V heating thermostats Dimensions: L x W x H = 404 x 100 x 80 mm				
NEW	Kermi control strip pro plus 8R 230 V For a maximum of 8 x-net room temperature controllers	SFERL001230	1	piece	472.43 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net wall-mounted controller H/K 230 V					
	Room temperature controller for heating and cooling with rotary knob. Options / technical details: ■ Operating voltage: 230 V ■ Switching capacity: maximum 10 actuators ■ setpoint from 1–5 (10–28 °C) ■ Colour: White (similar to RAL 9003) ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 29 mm Functions: ■ Heating and cooling ■ Adjustable temperature range ■ Change-over input ■ Reduction input ■ Antifreeze protection ■ Valve protection function				
Kermi x-net wall-mounted controller H/K 230 V 1 pc / packaging unit		SFEER004230	1	piece	82.35 / piece
Kermi x-net dew point monitor 230 V					
	Dew point monitor for installation on pipe. Options / technical details: ■ Operating voltage: 230 volts, 50 Hz ■ Power consumption: max. 3.5 W ■ Quick response time: max. 3 min ■ Changeover contact, max. 5 A, 230 V ■ Protection rating: IP 65 ■ Tensioning strap for pipe installation (DN10 – 100 mm) and heat conducting paste included in scope of delivery Functions: ■ For early detection of the risk of condensation ■ If the temperature falls below the dew point, all affected actuators are closed				
Kermi x-net dew point monitor 230 V 1 pc / packaging unit		SFETW000230	1	piece	479.78 / piece
Kermi x-net actuator					
	■ Installation on x-net heating circuit manifold with valve adapter external thread M30 × 1.5 mm (included in scope of delivery) ■ With function and monitoring display ■ Closed in de-energized state ■ Extremely short closing time (approx. 3 min.) ■ Slightly opened when delivered (first open function) ■ 1 m connection cable (0.75 mm²) ■ approx. 1 watt operating power ■ Protection type: IP54 ■ 50 mm height				
Kermi x-net actuator 24 V Installation instructions included in scope of delivery		SFESA024000	1	piece	54.31 / piece
Kermi x-net actuator 230 V Installation instructions included in scope of delivery		SFESA230000	1	piece	54.31 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi switch actuator wireless 4-channel 230 V					
	Connection unit for connecting the comfort room control unit to the actuators. Features/Technical data: ■ Power supply 230 V ■ 230 V actuators are required ■ Up to 4 heating zones are possible ■ Up to 6 actuators are possible ■ Power consumption max. 50 watts ■ Wireless communication between room control unit and switch actuator ■ High quality clamp terminals (rigid and flexible wires possible) ■ Strain relief integrated ■ Overload protection integrated ■ Easy installation, maintenance, and operation ■ Assignment of heating zone and actuator can be freely configured Functions: ■ Integrated system clock ■ Pumps/heating switch-off ■ Heating/cooling using internal or external switchover ■ Input for humidity sensor / dew point monitor ■ Input for external timer (eco mode / night-time reduction) ■ Input for safety temperature limiter ■ Pump protection function ■ Valve protection function ■ Antifreeze protection ■ Emergency operation in event of malfunction ■ Smart Start/Stop function for energy-efficient operation ■ Exchange of system parameters using communication between up to 7 switch actuators Special feature: ■ With integrated automatic balancing through staggered actuation of the actuators ■ Intelligent control technology: self-teach control system with PWM output ■ With online access via tablet and PC – With EZR manager (see www.ezr-home.de)				
Kermi switch actuator wireless 4-channel 230 V		Installation instructions included in scope of delivery	BX02000001K	1	piece
Kermi switch actuator wireless 8-channel 230 V					
	Refer to switch actuator wireless 230 volts – 4-channel (BX02000001K). ■ Up to 8 heating zones are possible ■ Up to 12 actuators are possible				
Kermi switch actuator wireless 8-channel 230 V		Installation instructions included in scope of delivery	BX02000002K	1	piece
Kermi switch actuator wireless 12-channel 230 V					
	Refer to switch actuator wireless 230 volts – 4-channel (BX02000001K). ■ Up to 12 heating zones are possible ■ Up to 18 actuators are possible				
Kermi switch actuator wireless 12-channel 230 V		Installation instructions included in scope of delivery	BX02000003K	1	piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi switch actuator wireless 4-channel 24 V					
	Connection unit for connecting the comfort room control unit to the actuators. Features / Technical data: ■ Power supply 230 V ■ 24 volt transformer included in scope of delivery ■ Up to 4 heating zones are possible ■ Up to 6 actuators are possible ■ Power consumption max. 50 watts ■ Wireless communication between room control unit and switch actuator ■ High quality clamp terminals (rigid and flexible wires possible) ■ Strain relief integrated ■ Overload protection integrated ■ Easy installation, maintenance, and operation ■ Assignment of heating zone and actuator can be freely configured Functions: ■ Integrated system clock ■ Pumps/heating switch-off ■ Heating/cooling using internal or external switchover ■ Input for humidity sensor / dew point monitor ■ Input for external timer (eco mode / night-time reduction) ■ Input for safety temperature limiter ■ Pump protection function ■ Valve protection function ■ Antifreeze protection ■ Emergency operation in event of malfunction ■ Smart Start/Stop function for energy-efficient operation ■ Exchange of system parameters using communication between up to 7 switch actuators Special feature: ■ With integrated automatic balancing through staggered actuation of the actuators ■ Intelligent control technology: self-teach control system with PWM output ■ With online access via tablet and PC – With EZR manager (see www.ezr-home.de)				
Kermi switch actuator wireless 4-channel 24 V Installation instructions included in scope of delivery		BX02000004K	1	piece	762.00 / piece
Kermi switch actuator wireless 8-channel 24 V					
	Refer to switch actuator wireless 24 volts – 4-channel (BX02000004K). ■ Up to 8 heating zones are possible ■ Up to 12 actuators are possible				
Kermi switch actuator wireless 8-channel 24 V Installation instructions included in scope of delivery		BX02000005K	1	piece	898.00 / piece
Kermi switch actuator wireless 12-channel 24 V					
	Refer to switch actuator wireless 24 volts – 4-channel (BX02000004K). ■ Up to 12 heating zones are possible ■ Up to 18 actuators are possible				
Kermi switch actuator wireless 12-channel 24 V Installation instructions included in scope of delivery		BX02000006K	1	piece	948.00 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi cable-based switch actuator 8-channel 24 V					
	Connection unit for connecting the comfort room control unit to the actuators. Features/Technical data: ■ Power supply 230 V ■ 24 volt transformer included in scope of delivery ■ 24 V actuators are required ■ Up to 8 heating zones are possible ■ Up to 12 actuators are possible ■ Power consumption max. 50 watts ■ Communication between room control unit and switch actuator by cable (2-wire bus) ■ High quality clamp terminals (rigid and flexible wires possible) ■ Strain relief integrated ■ Overload protection integrated ■ Easy installation, maintenance, and operation ■ Assignment of heating zone and actuator can be freely configured Functions: ■ Integrated system clock ■ Pumps/heating switch-off ■ Heating/cooling using internal or external switchover ■ Input for humidity sensor / dew point monitor ■ Input for external timer (eco mode / night-time reduction) ■ Input for safety temperature limiter ■ Pump protection function ■ Valve protection function ■ Antifreeze protection ■ Emergency operation in event of malfunction ■ Smart Start/Stop function for energy-efficient operation ■ Exchange of system parameters using communication between up to 7 switch actuators Special feature: ■ With integrated automatic balancing through staggered actuation of the actuators ■ Intelligent control technology: self-teach control system with PWM output ■ With online access via tablet and PC – With EZR manager (see www.ezr-home.de)				
Kermi cable-based switch actuator 8-channel 24 V					
Installation instructions included in scope of delivery		BX0200007K	1	piece	851.00 / piece
Kermi wireless room control unit – A1					
	Room control unit for single room control without display. Features/technical data: ■ Power supply: 2 × AAA 1.5 V battery (included in scope of delivery) ■ Wireless communication between room control unit and switch actuator ■ Wireless range: approx. 25 metres (in buildings) ■ Adjustment range for setpoint temperature: 10–28 °C ■ Measurement range for actual temperature: 0–40 °C ■ Setpoint limitation ■ Precision control behaviour ■ Temperature adjusting knob with ¼ degree detent. ■ Dimensions: W × H × D = 86 × 86 × 26 mm ■ Suitable for all Kermi wireless switch actuators (230 V + 24 V)				
Kermi wireless room control unit A1					
Installation instructions included in scope of delivery		BX0300001K	1	piece	177.00 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi wireless room control unit – D1					
	Room control unit for single room control with display Features / technical data: ■ Power supply: 2 × AAA 1.5 V battery (included in scope of delivery) ■ Wireless communication between room control unit and switch actuator ■ Wireless range: approx. 25 metres (in buildings) ■ Adjustment range for setpoint temperature: 5–30 °C ■ Measurement range for actual temperature: 0–40 °C ■ Precision control behaviour ■ Temperature adjusting knob with ¼ degree detent. ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 26.5 mm Functions: ■ High quality display showing actual temperature, operating status, and time ■ Battery status display ■ Automatic mode ■ Presence/absence mode ■ Night mode ■ Holiday function ■ Party function ■ Child lock/code operating lock ■ Antifreeze protection ■ Simple, language-neutral operation ■ Adjustable temperature range ■ Weekly programme can be set ■ Suitable for all Kermi wireless switch actuators (230 V + 24 V)				
Kermi wireless room control unit D1 Installation instructions included in scope of delivery		BX03000002K	1	piece	219.00 / piece
Kermi wireless room control unit – D2					
	Refer to wireless room control unit D1 (BX03000002K). ■ Sensor connection for integrating a floor temperature or dew point monitor				
Kermi wireless room control unit D2 Installation instructions included in scope of delivery		BX03000003K	1	piece	220.00 / piece
Kermi wireless room control unit – D3					
	Refer to wireless room control unit D1 (BX03000002K). ■ Sensor connection for integrating a floor temperature or dew point monitor ■ Temperature sensor to acquire floor or room temperature				
Kermi wireless room control unit D3 Installation instructions included in scope of delivery		BX03000004K	1	piece	275.00 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi cable-based room control unit A1					
	Room control unit for single room control without display. Features/technical data: ■ Power supply and communication via 2-wire bus with reverse polarity protection ■ Adjustment range for setpoint temperature: 10–28 °C ■ Measurement range for actual temperature: 0–40 °C ■ Setpoint limitation ■ Precision control behaviour ■ Temperature adjusting knob with ¼ degree detent. ■ Dimensions: W × H × D = 86 × 86 × 26 mm ■ Suitable for Kermi cable-based switch actuator				
Kermi cable-based room control unit A1 Installation instructions included in scope of delivery		BX03000005K	1	piece	177.00 / piece
Kermi cable-based room control unit D1					
	Room control unit for single room control with display Features/technical data: ■ Power supply and communication via 2-wire bus with reverse polarity protection ■ Adjustment range for setpoint temperature: 5–30 °C ■ Measurement range for actual temperature: 0–40 °C ■ Precision control behaviour ■ Temperature adjusting knob with ¼ degree detent. ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 26.5 mm Functions: ■ High value display showing actual temperature, operating state, time, and backlighting ■ Automatic mode ■ Presence/absence mode ■ Night mode ■ Holiday function ■ Party function ■ Child lock/code operating lock ■ Antifreeze protection ■ Easy, language-neutral operation ■ Adjustable temperature range ■ Weekly programme can be set ■ Suitable for Kermi cable-based switch actuator				
Kermi cable-based room control unit D1 Installation instructions included in scope of delivery		BX03000006K	1	piece	219.00 / piece
Kermi cable-based room control unit D2					
	Refer to cable-based room control unit D1 (BX03000006K). ■ Sensor connection for integrating a floor temperature or dew point monitor				
Kermi cable-based room control unit D2 Installation instructions included in scope of delivery		BX03000007K	1	piece	220.00 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi cable-based room control unit D3					
	Refer to cable-based room control unit D1 (BX03000006K). ■ Sensor connection for integrating a floor temperature or dew point monitor ■ Temperature sensor to acquire floor or room temperature				
	Kermi cable-based room control unit D3 Installation instructions included in scope of delivery	BX03000008K	1	piece	275.00 / piece
Kermi wireless room sensor					
	Room sensor for single room control without display and without open control unit (public building model). For use e.g. in schools, public buildings, etc. Features / technical data: ■ Hidden temperature setpoint setting using a potentiometer or via a tablet and PC with EZR manager ■ Power supply: 2 × AAA 1.5 V battery (included in scope of delivery) ■ Wireless communication between room control unit and switch actuator ■ Wireless range: approx. 25 metres (in buildings) ■ Measures the temperature in the room ■ Measurement range for actual temperature: 0–40 °C ■ Precision control behaviour ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 26 mm ■ Suitable for all Kermi wireless switch actuators (230 V + 24 V)				
	Kermi wireless room sensor Installation instructions included in scope of delivery	BX03000009K	1	piece	167.00 / piece
Kermi cable-based room sensor					
	Room sensor for single room control without display and without open control unit (public building model). For use e.g. in schools, public buildings, etc. Features / technical data: ■ Hidden temperature setpoint setting using a potentiometer or via a tablet and PC with EZR manager ■ Power supply and communication via 2-wire bus with reverse polarity protection ■ Measures the temperature in the room ■ Measurement range for actual temperature: 0–40 °C ■ Precision control behaviour ■ Wall installation and installation on flush-mounted box possible ■ Dimensions: W × H × D = 86 × 86 × 26 mm ■ Suitable for Kermi cable-based switch actuator				
	Kermi cable-based room sensor Installation instructions included in scope of delivery	BX03000010K	1	piece	167.00 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi external antenna					
	Active external antenna to increase wireless range in x-net Comfort floor heating controls. ■ 5 metre connection pipe ■ Simple installation by plugging into switch actuator ■ Suitable for all Kermi wireless switch actuators (230 V + 24 V)				
	Kermi ext. antenna Installation instructions included in scope of delivery	BX09000001K	1	piece	389.00 / piece
Kermi repeater					
	Repeater to increase the wireless range in x-net Comfort floor heating controls. ■ With plug-in power supply ■ Simple installation by plugging into commercially available socket				
	Kermi repeater Installation instructions included in scope of delivery	BX09000002K	1	piece	371.00 / piece
Kermi x-net dew point monitor 24 V					
	Dew point monitor for installation on pipe. Options / technical details: ■ Operating voltage: 24 V ■ Power consumption: max. 1 W ■ Quick response time: max. 3 min ■ Changeover contact (max. 1 A / 24 V) ■ Protection rating: IP 40 ■ Tensioning strap for pipe installation (DN 10...100 mm) incl. heat conducting paste included in scope of delivery Functions: ■ For early detection of the risk of condensation ■ If the temperature falls below the dew point, all affected actuators are closed				
	Kermi x-net dew point monitor 24 V Installation instructions included in scope of delivery	SFETW000000	1	piece	263.50 / piece

x-net® additional insulation

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net edge insulation strips					
	■ For separating the heating screed from adjacent components acc. to DIN 18560 ■ Made of closed cell PE insulation material with extra-long PE protective film for reliable sealing ■ 8 mm thickness ■ With multiple tear-off slits				
	Kermi x-net edge insulation strips H 160 mm 25 m/roll	SFZRS001000	25	m	1.29 / m
	■ With adhesive strip on the back for wall fixing, height 8.5 cm from lower edge of edge insulation strip ■ 160 mm set-up height				
	Kermi x-net edge insulation strips H 120 mm 25 m/roll	SFZRS002000	25	m	1.29 / m
	■ With adhesive strip on the back for wall fixing, height 5 cm from lower edge of edge insulation strip ■ 120 mm set-up height				
	Kermi x-net edge insulation strips H 80 mm 25 m/roll	SFZRS003000	25	m	1.29 / m
	■ With adhesive strip on the back for wall fixing, height 2 cm from lower edge of edge insulation strip ■ 80 mm set-up height, self-adhesive protective film				
Kermi x-net edge insulation strips H150 economic					
	■ For separating the heating screed from adjacent components acc. to DIN 18560 ■ Made of closed cell PE insulation material with Protective film to provide seal ■ 8 mm thickness ■ 150 mm set-up height				
	Kermi x-net edge insulation strips economic H 150 mm 25 m/roll	SFZRS004000	25	m	1.08 / m

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net expansion joint profile 10/100					
	■ Building material class B2 acc. to DIN 4102, European class E acc. to DIN EN 13501 ■ For standards-compliant creation of expansion joints in screeds acc. to DIN 18560/EN 1264 ■ 1.8 m profile length ■ 100 mm height ■ With adhesive foot ■ Rigid version due to side edging made of plastic				
	Kermi x-net expansion joint profile 10/100 5 pcs / packaging unit overall length = 9 m	SFZBP010000	9	m	11.98 / m
Kermi x-net PE fleece roll 5 mm					
	■ Protective fleece made from polyethylene insulation ■ Building material class B2 acc. to DIN 4102 ■ Roll: 100 m × 1 m, 5 mm foam thickness				
	Kermi x-net PE fleece roll 5 mm 100 m ² /roll	SFDZDPTS005	100	m ²	2.64 / m ²
Kermi x-net polyethylene film T 200					
	■ Polyethylene cover and protective film with 2 m web width ■ Folded in the middle and rolled in 50 m lengths ■ Thickness = 200 micrometres				
	Kermi x-net polyethylene film T 200 100 m ² /roll	SFZPF200000	100	m ²	0.89 / m ²

x-net® additional insulation / screed

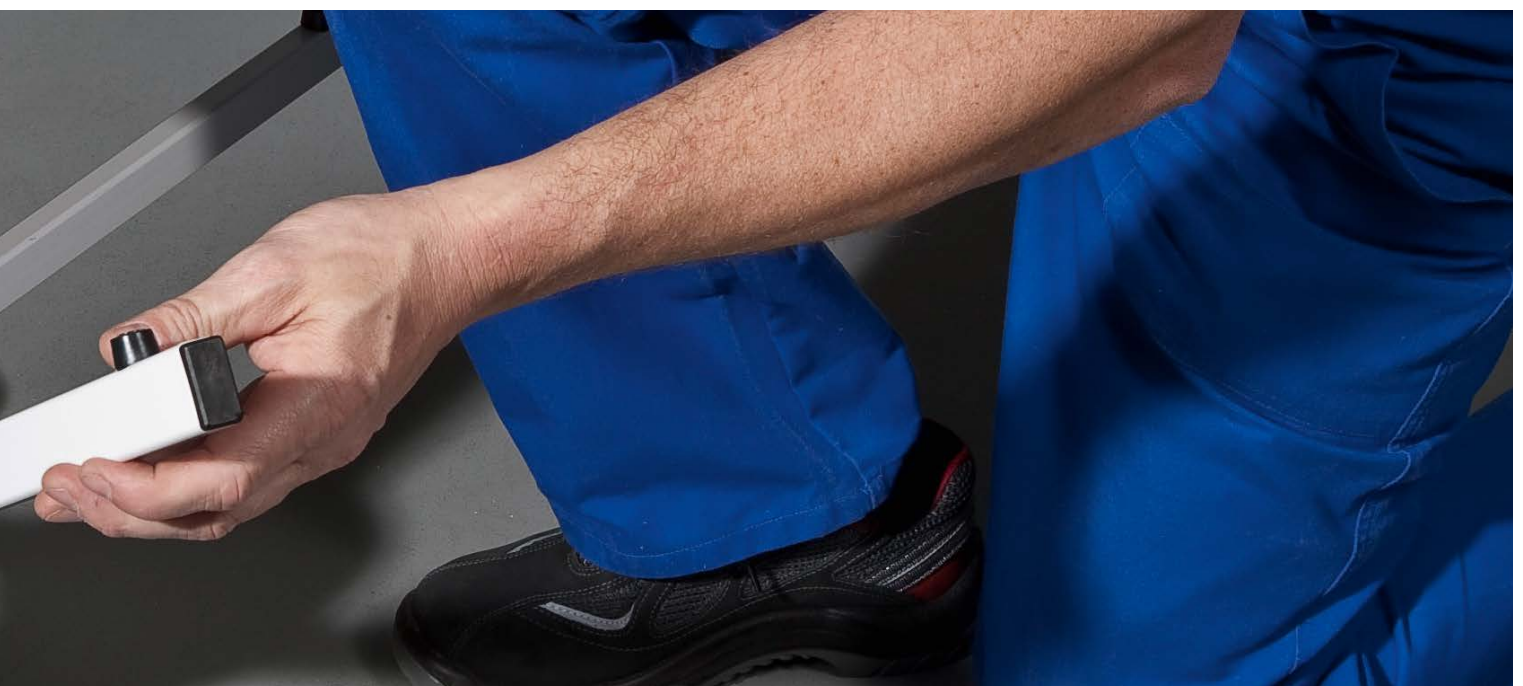
Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net adhesive pipe protection strip					
	■ Made of PE insulation material to protect the pipes at the intersections of the expansion joints ■ System components of the x-net connect systems ■ L x W = 300 mm x 67 mm				
	Kermi x-net adhesive pipe protection strip 30 pcs / packaging unit suitable for floating screed	SFZKS000000	30	piece	1.52 / piece
Kermi x-net protective pipe slotted					
	■ Polypropylene corrugated pipe slotted 25/20 mm ■ Colour: Black ■ As protective pipe for cement screed with screed expansion joints for pipes up to 17 mm Outer diameter				
	Kermi x-net protective pipe slotted 25/20 50 m roll	SHRSR016005	50	m	2.01 / m
Kermi x-net protective pipe overlapped					
	■ Polypropylene corrugated pipe overlapped 25/20 mm ■ Colour: Black ■ As protective pipe for screed expansion joints for pipes up to 17 mm outer diameter ■ Particularly suitable for floating screed due to slots and overlap				
	Kermi x-net protective pipe overlapped 25/20 50 m roll suitable for floating screed	SHRSR016105	50	m	2.62 / m
Kermi x-net screed measuring point					
	■ To mark a drilling point for residual moisture measurement ■ 3 measurement points are recommended per 200 m² or per apartment respectively				
	Kermi x-net screed measuring point 1 pc / packaging unit	SFZEM000000	1	piece	6.49 / piece
Kermi x-net screed measuring point					
	Screed measuring point to mark a drilling point for residual moisture measurement. ■ Simple version with adhesive foot for securing on x-net system surfaces ■ 3 measurement points are recommended per 200 m² or per apartment respectively				
	Kermi x-net screed measuring point 5 pcs / packaging unit	SFZEMP000000	5	piece	3.61 / piece
Kermi x-net retaining dowel					
	■ For securing insulations panels to unfinished floor ■ Made of polypropylene with 120 mm shank length ■ For 8 mm drill hole diameter ■ With self-adhesive insulation strip to insulate the noise transmission				
	Kermi x-net retaining dowel 10 pcs / packaging unit	SFZND000001	10	piece	1.07 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net adhesive tape					
	■ For x-net C12 tackler system ■ Material: Polypropylene ■ 50 mm wide ■ 66 m long				
	Kermi x-net adhesive tape 1 pc / packaging unit	SFZKB000000	1	piece	7.89 / piece
Kermi x-net C16 clip tape					
	■ Adhesive tape with fabric insert for connecting the x-net C16 clip panels ■ 50 mm wide ■ 50 m per roll ■ Sufficient for an installation area of approx. 25 m²				
	Kermi x-net C16 clip tape 1 pc / packaging unit	SFZKB160000	1	piece	13.03 / piece
Kermi x-net sealing tape					
	Self-adhesive sealing tape for closing the edge joint between edge insulation strip and x-net connect cover / x-net klett fleece roll. ■ Can be processed quickly as it has no separation foil on the sticking surface ■ Elastic in transverse direction ■ High adhesive force ■ 25 m per roll				
	Kermi x-net sealing tape 1 pc / packaging unit	SFZKB1800000	1	piece	20.44 / piece
Double-sided adhesive tape					
	■ For securing x-net drywall board panels, x-net manifold panels and x-net connect base panels on base ■ 50 mm wide ■ 25 m per roll				
	Double-sided adhesive tape 1 pc / packaging unit	SFZKBD50000	1	piece	18.80 / piece



Installation accessories and tools

- x-net® installation accessories
- x-net® tools



x-net® installation accessories

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net unrolling unit					Discount group tool
	■ For tension- and twist-free dispensing the x-net system pipes from the packaging ■ Suitable for the following x-net system pipes: 10 × 1.3: 120 and 240 m 12 × 1.4: 120 and 240 m 14 × 2: 120, 240, 600, and 1000 m 16 × 2: 120, 240, and 600 m 17 × 2: 240 and 600 m 20 × 2: 240 and 600 m ■ Can be folded up ■ Suitable for transport in a car ■ Including carrier bag				
	Kermix-net unrolling unit 1 pc / packaging unit	SFWAV000000	1	piece	588.18 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net calibration handle and Kermi x-net calibration insert					Discount group tool
	Kermi x-net calibration handle to hold x-net calibration inserts, with screw bit holder and quick-release lock.				
	Kermi x-net calibration handle 1 pc / packaging unit	SFWKW0GR000	1	piece	42.67 / piece
Kermi x-net calibration insert suitable for x-net calibration handle for deburring and calibrating the x-net system pipes.					
Kermi x-net calibration insert 10 mm 1 pc / packaging unit					
■ Dimensions: 10 × 1.3					
Kermi x-net calibration insert 12 mm 1 pc / packaging unit					
■ Dimensions: 12 × 1.4					
Kermi x-net calibration insert 14 mm 1 pc / packaging unit					
■ Dimensions: 14 × 2					
Kermi x-net calibration insert 16 mm 1 pc / packaging unit					
■ Dimensions: 16 × 2					
Kermi x-net calibration insert 17 mm 1 pc / packaging unit					
■ Dimensions: 17 × 2					
Kermi x-net calibration insert 20 mm 1 pc / packaging unit					
■ Dimensions: 20 × 2					
Kermi x-net calibration insert 25/26 mm 1 pc / packaging unit					
■ Dimensions: 25 × 2.3 / 25 × 2.5 / 26 × 3					
Kermi x-net calibration mandrel 14/16/20/25 mm					Discount group tool
	■ For calibrating and deburring the x-net system pipes: 14 × 2 / 16 × 2 / 20 × 2 / 25 × 2.3				
	Kermi x-net calibration mandrel 14/16/20/25 mm 1 pc / packaging unit	SFWRK000000	1	piece	123.18 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net notching pliers					Discount group tool
	■ For creating exact cutouts in the x-net expansion joint profile				
	Kermi x-net notching pliers 1 pc / packaging unit	SFWAZ000000	1	piece	55.29 / piece
Kermi x-net pipe cutter					Discount group tool
	■ Kermi x-net pipe cutter to professionally cut to length x-net system pipes to length				
	Kermi x-net pipe cutter 1 pc / packaging unit	SFWR5000000	1	piece	78.18 / piece
	■ Replacement blade for x-net pipe cutter				
	Kermi x-net replacement blade for pipe cutter 1 pc / packaging unit	SFWRSESK000	1	piece	14.46 / piece
Kermi x-net ring spanner size 27/24					Discount group tool
	■ Open double ring spanner sizes 27 mm and 24 mm for easy installation of x-net clamp ring screw connections on manifold connections				
	Kermi x-net ring spanner 27/24 1 pc / packaging unit	SFWSRS27000	1	piece	26.83 / piece
Kermi x-net safety cutter					Discount group tool
	■ For films and insulation-free installation systems ■ Special knife with a covered blade makes it possible to safely open stretch film packaging and boxes without damaging the contents ■ Also suitable for insulation-free x-net installation systems made of PE foam or panels up to 3 mm thick				
	NEW Kermi x-net safety cutter 1 pc / packaging unit	SFWSC000000	1	piece	12.79 / piece
Kermi x-net separating knife					Discount group tool
	■ Kermi x-net separating knife for cutting insulation materials including 2 replacement blades 22 mm				
	Kermi x-net separating knife 1 pc / packaging unit	SFWTM000000	1	piece	32.39 / piece
	■ 10 Kermi x-net replacement blades in plastic box				
	Kermi x-net replacement blade for separating knife 10 pcs / packaging unit	SFWTMESK000	1	set	8.45 / set
Kermi x-net tape dispenser					Discount group tool
	■ For dispensing x-net adhesive tape				
	Kermi x-net tape dispenser 1 pc / packaging unit	SFWKA000000	1	piece	31.89 / piece

Name Illustration	Description	Item number	Delivery quantity	Unit	Price/unit EUR excl. VAT
Kermi x-net pressing jaw TH					Discount group tool
	For all commercially available pressing tools with a constant shearing force of 30–40 kN				
	Kermi x-net pressing jaw TH 14 × 2 1 pc / packaging unit	SFWPB014000	1	piece	214.28 / piece
	Dimensions: 14 × 2				
	Kermi x-net pressing jaw TH 16 × 2 1 pc / packaging unit	SFWPB016000	1	piece	214.28 / piece
	Dimensions: 16 × 2				
	Kermi x-net pressing jaw TH 17 × 2 1 pc / packaging unit	SFWPB017000	1	piece	214.28 / piece
	Dimensions: 17 × 2				
	Kermi x-net pressing jaw TH 20 × 2 1 pc / packaging unit	SFWPB020000	1	piece	214.28 / piece
	Dimensions: 20 × 2				
	Kermi x-net pressing jaw TH 25 × 2.3 1 pc / packaging unit	SFWPB025000	1	piece	223.27 / piece
	Dimensions: 25 × 2.3				
Kermi x-net heat cutter					Discount group tool
	- Electric polystyrene cutter to create pipe ducts - Operating voltage 230 V 6 m cable length, for large operating range 90 W power consumption, for high cutting speed				
	Kermi x-net heat cutter 1 pc / packaging unit	SFWHS000002	1	piece	122.67 / piece
Kermi x-net Omega cutting tip					Discount group tool
	- Suitable for x-net heat-cutter - For making pipe ducts with an omega-shaped contour for x-net system pipes 14 × 2 and 16 × 2 - For processing x-net drywall board, x-net manifold panel				
	Kermi x-net Omega cutting tip 1 pc / packaging unit	SFWHSE0002	1	piece	106.34 / piece



x-net® C16 clip system

On existing film covering:

x-net C16 clip system

on existing film covering, i.e. installation of x-net C16 clip panel with distance to wall

Installation distance in cm	Piping required in m/m²	x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)	
		Computer number ¹⁾	Kit price in EUR	Computer number ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBKSP0014055	68.91	SFBKSP0016055	75.25
VA 11	8.4	SFBKSP0014110	40.69	SFBKSP0016110	43.88
VA 16.5	5.6	SFBKSP0014165	31.17	SFBKSP0016165	33.29
VA 22	4.2	SFBKSP0014220	26.41	SFBKSP0016220	28.00
VA 27.5	3.3	SFBKSP0014275	23.35	SFBKSP0016275	24.60
VA 33	2.8	SFBKSP0014330	21.65	SFBKSP0016330	22.71

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, film covering, edge insulation strips, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

With the installation version "on existing film covering", only 90 % of the floor space a is fitted with x-net C16 clip panels (laid with wall distance) and no x-net C16 clip tape is applied to the outer edges of the panel area.

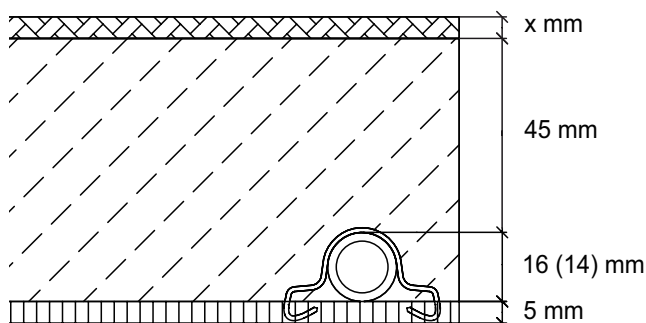
Remarks:

- ¹⁾ The computer number is used only as a simplified text block (tenders).
It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table
- 0.9 m² x-net C16 clip Panels (SFDKSP01600) per 1 m² floor space (laid with distance to wall)
- 2.5 pcs x-net C16 clips (SFZRK160000) per 1 m pipe
- 1.5 m x-net C16 clip tape (SFZKB160000) per 1 m² floor space

System cross-section – x-net C16 clip system



Shown as an example:

- x-net C16 clip panel (without thermal insulation)
- Cement screed CT-F4 with 45 mm pipe covering, for light loads

As insulating covering:

x-net C16 clip system

as insulating covering, i.e. installation of x-net C16 clip panel without wall distance

Installation distance in cm	Piping required in m/m ²	x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)	
		Computer number ¹⁾	Kit price in EUR	Computer number ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBKSPA014055	71.25	SFBKSPA016055	77.60
VA 11	8.4	SFBKSPA014110	43.03	SFBKSPA016110	46.22
VA 16.5	5.6	SFBKSPA014165	33.51	SFBKSPA016165	35.64
VA 22	4.2	SFBKSPA014220	28.75	SFBKSPA016220	30.35
VA 27.5	3.3	SFBKSPA014275	25.69	SFBKSPA016275	26.95
VA 33	2.8	SFBKSPA014330	23.99	SFBKSPA016330	25.06

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation. When installing "as insulating covering", the entire floor space must be covered with x-net C16 clip panels and x-net C16 clip tape applied to the outer edges of the panel area as a seal between the edge insulation strip and panel area.

Remarks:

- ¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

With this installation variant, the x-net edge insulation strip H 160 mm is included in the kit.

The kit price includes:

- Required pipes as listed in the table
- 1.0 m² x-net C16 clip Panels (SFDKSP01600) per 1 m² floor space (laid flush with the wall)
- 2.5 pcs x-net C16 clips (SFZRK160000) per 1 m pipe
- 2.5 m x-net C16 clip tape (SFZKB160000) per 1 m² floor space
- 1.0 m edge insulation strip H 160 mm (SFZRS001000) per 1 m² room area

x-net® C15 thin layer system

x-net C15 thin layer knob element (SFDNSP05000)

Installation distance in cm	Piping required in m/m²	x-net PE-Xc pipe 10 × 1.3 (SFRPE0100..)		x-net PE-Xc pipe 12 × 1.4 (SFRPE0120..)	
		Computer number ¹⁾	Kit price in EUR	Computer number ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBDSS0110055	76.57	SFBDSS0112055	76.57
VA 11	8.4	SFBDSS0110110	56.23	SFBDSS0112110	56.23
VA 16.5	5.6	SFBDSS0110165	49.37	SFBDSS0112165	49.37

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

The kit price includes:

- Required pipes as listed in the table
- 1 m² x-net C15 thin layer knob element (SFDNSP05000)
- 1 m x-net edge insulation strip (SFZRS003000)

Remarks:

- ¹⁾ The computer number is used only as a simplified text block (tenders).
It does not apply as ordering code!

x-net knob film economic (SFDNSP06000)

Installation distance in cm	Pipe requirement in m/m ²	x-net PE-Xc pipe 16 × 2 (SFRPE016...)		x-net PE-Xa pipe 16 × 2 (SFRPXA16...)		x-net PE-Xa pipe 17 × 2 (SFRPXA17...)	
		Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR
VA 6	15.4	SFBNSF0116060	72.80	SFBNSF0216060	72.80	SFBNSF0217060	72.80
VA 12	7.7	SFBNSF0116120	47.55	SFBNSF0216120	47.55	SFBNSF0217120	47.55
VA 18	5.1	SFBNSF0116180	39.02	SFBNSF0216180	39.02	SFBNSF0217180	39.02
VA 24	3.8	SFBNSF0116240	34.75	SFBNSF0216240	34.75	SFBNSF0217240	34.75
VA 30	3.1	SFBNSF0116300	32.46	SFBNSF0216300	32.46	SFBNSF0217300	32.46

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. are to be calculated separately acc. to the particular installation situation.

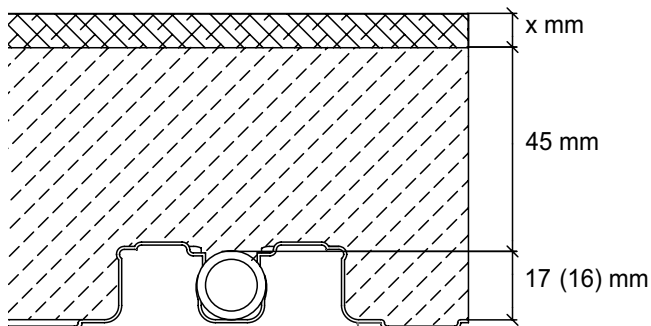
The kit price includes:

- Required pipes as listed in the table
- 1 m² x-net knob film economic (SFDNSP06000)
- 4 pcs x-net film dowels economic (SFZFDE00000)
- 1 m x-net edge insulation strip H 120 mm (SFZRS002000)

Remarks:

- ¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

Cross section of x-net knob film economic system



Shown as an example:

- x-net knob film economic (without thermal insulation)
- Cement screed CT-F4 with 45 mm pipe covering, for light loads

x-net® C11 knob system

x-net C11 knob plate 30-2 mm (SFDNSP01000)						x-net C11 knob plate 11 mm (SFDNSP02000)			
		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)	
Installation distance in cm	Pipe requirement in m/m²	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBNSP0114055	75.60	SFBNSP0316055	81.95	SFBNSP0214055	73.34	SFBNSP0416055	79.69
VA 11	8.4	SFBNSP0114110	51.53	SFBNSP0316110	54.72	SFBNSP0214110	49.27	SFBNSP0416110	52.46
VA 16.5	5.6	SFBNSP0114165	43.41	SFBNSP0316165	45.54	SFBNSP0214165	41.15	SFBNSP0416165	43.28
VA 22	4.2	SFBNSP0114220	39.35	SFBNSP0316220	40.95	SFBNSP0214220	37.09	SFBNSP0416220	38.69
VA 27.5	3.3	SFBNSP0114275	36.74	SFBNSP0316275	37.99	SFBNSP0214275	34.48	SFBNSP0416275	35.73
VA 33	2.8	SFBNSP0114330	35.29	SFBNSP0316330	36.35	SFBNSP0214330	33.03	SFBNSP0416330	34.09

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

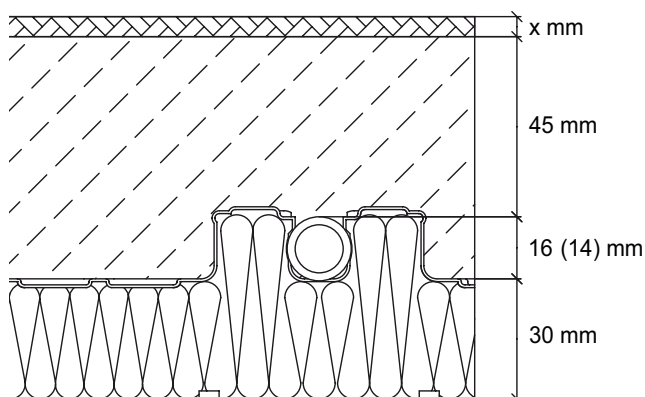
Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table
- 1 m² x-net C11 knob plate
- 1 m x-net edge insulation strip H 160 mm (SFZRS001000)

System cross-section – x-net C11 knob system



Shown as an example:

- x-net C11 knob plate 30-2 mm
- Cement screed CT-F4 with 45 mm pipe covering, for light loads

x-net® C12 tacker system

x-net C12 tacker folding plate 30-2 mm (SFDTS11000)						x-net tacker roll 35-3 mm (SFDTS17000)			
		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)	
Installation distance in cm	Pipe requirement in m/m²	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBTSP1114055	76.70	SFBTSP1116055	83.05	SFBTSR1414055	76.03	SFBTSR1416055	82.38
VA 11	8.4	SFBTSP1114110	48.43	SFBTSP1116110	51.62	SFBTSR1414110	47.76	SFBTSR1416110	50.95
VA 16.5	5.6	SFBTSP1114165	38.91	SFBTSP1116165	41.04	SFBTSR1414165	38.24	SFBTSR1416165	40.37
VA 22	4.2	SFBTSP1114220	34.25	SFBTSP1116220	35.85	SFBTSR1414220	33.58	SFBTSR1416220	35.18
VA 27.5	3.3	SFBTSP1114275	31.04	SFBTSP1116275	32.29	SFBTSR1414275	30.37	SFBTSR1416275	31.62
VA 33	2.8	SFBTSP1114330	29.39	SFBTSP1116330	30.45	SFBTSR1414330	28.72	SFBTSR1416330	29.78

x-net tacker roll 30-2 mm (SFDTSR11000)						x-net tacker roll 20-2 mm (SFDTSR15000)			
		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)		x-net PE-Xc pipe 14 × 2 (SFRPE014...)		x-net PE-Xc pipe 16 × 2 (SFRPE016...)	
Installation distance in cm	Pipe requirement in m/m²	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBTSR1114055	75.18	SFBTSR1116055	81.53	SFBTSR1314055	70.14	SFBTSR1316055	76.49
VA 11	8.4	SFBTSR1114110	46.91	SFBTSR1116110	50.10	SFBTSR1314110	41.87	SFBTSR1316110	45.06
VA 16.5	5.6	SFBTSR1114165	37.39	SFBTSR1116165	39.52	SFBTSR1314165	32.35	SFBTSR1316165	34.48
VA 22	4.2	SFBTSR1114220	32.73	SFBTSR1116220	34.33	SFBTSR1314220	27.69	SFBTSR1316220	29.29
VA 27.5	3.3	SFBTSR1114275	29.52	SFBTSR1116275	30.77	SFBTSR1314275	24.48	SFBTSR1316275	25.73
VA 33	2.8	SFBTSR1114330	27.87	SFBTSR1116330	28.93	SFBTSR1314330	22.83	SFBTSR1316330	23.89

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

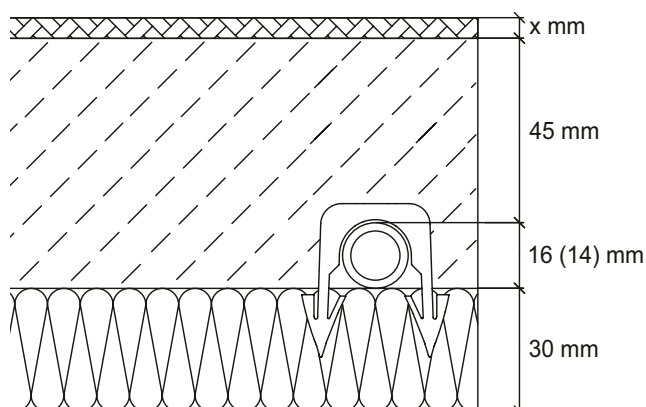
Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table
- 1 m² x-net tacker insulation
- 2.5 pcs x-net pipe anchor per metre of pipe (SFZRA016000)
- 1 m x-net edge insulation strip H 160 mm (SFZRS001000)

System cross-section – x-net C12 tacker system



Shown as an example:

- x-net tacker insulation 30-2 mm
- Cement screed CT-F4 with 45 mm pipe covering, for light loads

x-net® C17 klett system

x-net C17 klett system

		x-net C17 klett roll 30-2 mm (SFDKSR11000) + x-net PE-Xc klett pipe 16x2 (SFRPEK16...)		x-net C17 klett roll 25-2 mm (SFDKSR12000) + x-net PE-Xc klett pipe 16x2 (SFRPEK16...)	
Installation distance in cm	Piping required in m/m²	Computer number ¹⁾	Kit price in EUR	Computer number ¹⁾	Kit price in EUR
VA 5.5	16.7	SFBLSR1116055	94.56	SFBLSR1216055	89.93
VA 11	8.4	SFBLSR1116110	59.70	SFBLSR1216110	55.07
VA 16.5	5.6	SFBLSR1116165	47.94	SFBLSR1216165	43.31
VA 22	4.2	SFBLSR1116220	42.06	SFBLSR1216220	37.43
VA 27.5	3.3	SFBLSR1116275	38.28	SFBLSR1216275	33.65
VA 33	2.8	SFBLSR1116330	36.18	SFBLSR1216330	31.55

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation.
Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

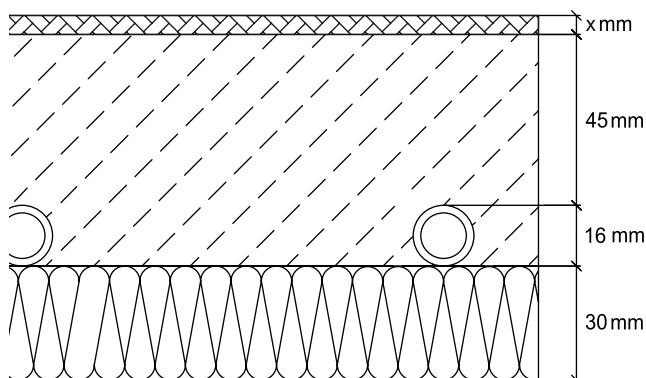
The kit price per m² includes:

- Required pipes as listed in the table
- 1 m² x-net klett insulation
- 1 m x-net edge insulation strip H 160 mm (SFZRS001000)

Remarks:

- ¹⁾ The computer number is used only as a simplified text block (tenders).
It does not apply as ordering code!

System cross-section – x-net C17 klett system



Shown as an example:

- x-net klett insulation 30-2 mm
- Cement screed CT-F4 with 45 mm
Pipe covering

x-net® C13 dry system

x-net C13 drywall board 25 mm (SFDTBP01000) in combination with steel heat-conducting plate

Installation distance in cm	Piping required in m/m ²	Computer number ¹⁾	Kit price in EUR
VA 14	6.6	SFBTBS0114140	84.11
VA 21	4.4	SFBTBS0114210	61.70
VA 28	3.2	SFBTBS0114280	49.47

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table (SFRPE0140...)
- 1 m² x-net C13 drywall board 25 mm
- 1 m x-net steel heat-conducting plate per metre of pipe (SFDWLB01000)
- 1 m x-net edge insulation strip (SFZRS002000)
- 1.1 m² x-net polyethylene film T 200 (SFZPF200000)

x-net drywall board 25 mm (SFDTBP01000) in combination with aluminium heat-conducting plate

Installation distance in cm	Piping required in m/m ²	Computer number ¹⁾	Kit price in EUR
VA 14	6.6	SFBTBA0114140	98.96
VA 21	4.4	SFBTBA0114210	71.60
VA 28	3.2	SFBTBA0114280	56.67

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

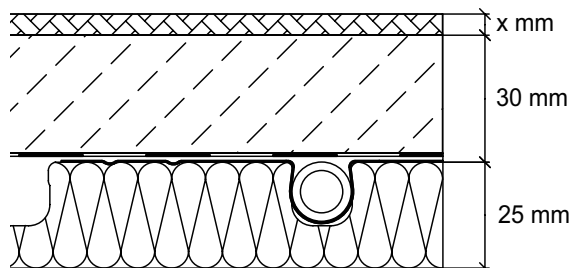
Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table (SFRPE0140...)
- 1 m² x-net drywall board 25 mm
- 1 m x-net aluminium heat-conducting plate per metre of pipe (SFDWLBA1000)
- 1 m x-net edge insulation strip (SFZRS002000)
- 1.1 m² x-net polyethylene film T 200 (SFZPF200000)

System cross-section – x-net C13 dry system



Shown as an example:

- x-net C13 drywall board 25 mm
- Floating screed CAF-F5 with 30 mm pipe covering (5 mm deduction for insulation thickness < 40 mm taken into consideration), for light loads

x-net C21 wall heating plaster system

Installation distance in cm	Piping required in m/m ²	Computer number ¹⁾	Kit price in EUR
VA 10	9.3	SFBWHS0114100	42.65
VA 15	6.2	SFBWHS0114150	31.27
VA 20	4.7	SFBWHS0114200	25.76

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation etc. must be calculated separately on the basis of the particular installation situation.

Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required piping as listed in the table (SHRMR0140...)
- 2.2 m x-net clamping rail 14 mm (SFZKS014000) per m² installation area

x-net C22 wall heating dry system in combination with steel heat-conducting plate

Installation distance in cm	Piping required in m/m ²	Computer number ¹⁾	Kit price in EUR
VA 14	6,6	SFBTBS0214140	86.93

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation etc. must be calculated separately on the basis of the particular installation situation.

Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required piping as listed in the table (SHRMR0140...)
- 1 m² x-net C13 drywall board 25 mm (SFDTP01000)
- 1 m x-net heat-conducting plate steel (SFDWLB01000) per m pipe

x-net C22 wall heating dry system in combination with aluminium heat-conducting plate

Installation distance in cm	Piping required in m/m ²	Computer number ¹⁾	Kit price in EUR
VA 14	6.6	SFBTBA0214140	101.78

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation etc. must be calculated separately on the basis of the particular installation situation.

Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required piping as listed in the table (SHRMR0140...)
- 1 m² x-net drywall board 25 mm (SFDTP01000)
- 1 m x-net aluminium heat-conducting plate (SFDWLBA1000) per m pipe

x-net® C14 industrial panel heating

x-net C14 industrial panel heating with clamping rail						x-net C14 industrial panel heating with cable tie			
		x-net PE-Xc 20 × 2 (SFRPE0200...)		x-net PE-Xc 25 × 2.3 (SFRPE0250...)		x-net PE-Xc 20 × 2 (SFRPE0200...)		x-net PE-Xc 25 × 2.3 (SFRPE0250...)	
Installation distance in cm	Pipe requirement in m/m ²	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR	Computer code ¹⁾	Kit price in EUR
VA 15	6.50	SFBIKS0120150	28.95	SFBIKS0125150	35.22	SFBIKB0120150	26.17	SFBIKB0125150	29.61
VA 20	4.90	SFBIKS0120200	22.76	SFBIKS0125200	28.18	SFBIKB0120200	19.73	SFBIKB0125200	22.32
VA 30	3.30	SFBIKS0120300	16.57	SFBIKS0125300	21.14	SFBIKB0120300	13.29	SFBIKB0125300	15.03
VA 40	2.50	SFBIKS0120400	13.47			SFBIKB0120400	10.07		
VA 45	2.20			SFBIKS0125450	16.30			SFBIKB0125450	10.02

The kit price includes all individual parts needed to install the heating surface, thus permitting fast and easy calculation. Additional insulation, levelling layers, and floor seals etc. must be calculated separately on the basis of the particular installation situation.

Remarks:

¹⁾ The computer number is used only as a simplified text block (tenders). It does not apply as ordering code!

The kit price includes:

- Required pipes as listed in the table
- 1.3 × cable ties (SFZKA000000) per metre of pipe or 0.8 m clamping rail (SFZKS020000/SFZKS025000) with 3 retaining clips (SFZHN000000) for clamping rail per m² installation area



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Heat pump



x-buffer
heat storage



x-net panel heating/
cooling



therm-x2
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x-well residential
ventilation



design radiator



heating panel



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