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SYSTEM KAN-therm

KAN-therm Press System

technical information, catalogue

ISO 9001 : 2000

August 2007

TECHNOLOGY OF SUCCESS

KAN-therm Press System is a complete system consisting of press fittings, screwed fittings with manifolds and cabinets, and multilayer pipes PE-RT/Al/PE-HD Multi Universal and Multi Basic of diameter ∅14-40 mm, and PE-X/Al/PE-X of diameter ∅50-63 mm.

KAN-therm Press - modern technology

An ultra modern material - PPSU (phenylene polysulfone) - used in production of press fittings ensures:

- total corrosion resistance,
- total neutrality towards potable water,
- pipe fitting durability higher than for pipes,
- high mechanical strength.

Production technology of PPSU fittings excludes any latent defects.

Multi Basic and Multi Universal pipes of **KAN-therm** Press System consist of inner layer of PE-RT polyethylene of higher thermal resistance (in accordance with DIN 16883) and outer layer of PE-HD high density polyethylene. Between polyethylene layers there is an aluminum layer that is permanently bounded with the polyethylene layers. Such a structure provides natural resistance to diffusion of oxygen into the system, elasticity, and the lack of "elastic memory" (after bending pipes preserve shape), and eight times smaller thermal elongation in comparison with polyethylene pipes.

KAN-therm Press - lasting technology

KAN-therm Press System, because of the perfect design of its elements and their matching, provides:

- over 50 year of service life,
- possibility of operating in high temperatures - T_{work}=90°C (working), T_{max}=95°C (maximum; the heat source should have a safeguard against exceeding that temperature) and working pressure of 6 bar for Multi Basic pipe and 10 bar for Multi Universal pipe; working parameters for PE-X/Al/PE-X pipes - T_{work}=80°C, T_{max}=90°C and working pressure 10 bar,
- extremely durable PPSU fittings whose maximum working parameters are limited by pipe durability,
- total lack of corrosion with all kinds of water quality.

KAN-therm Press - optimal technology

KAN-therm Press System allows to choose optimal technological and economical solutions because of:

- different aluminum thickness of Multi Basic and Multi Universal Pipes,
- possibility of concealing in floor the press fittings,
- possibility of using one type of pipes for water and heating systems.

KAN-therm Press - safe technology

KAN-therm Press System guarantees full safety of assembly and operation:

- safe design of press fittings (the loose steel sleeve technique) provides full control over O-Ring seals during assembly,
- **KAN-therm** Press System has a 10-year warranty,
- **KAN-therm** Press System is approved in many european countries.

KAN-therm Press System - press connections

Cut the pipe perpendicular to its axis using special cutter.

Shape the pipe as required. Bend using external or internal spring. Obey minimum bending radius $R_b \geq 5\ D_Z$.

Calibrate the pipe and bevel its inner edge no deeper than to the aluminum layer.

Slide the steel sleeve over the pipe. Next, slide the pipe with the steel sleeve over the fitting up to the end of body. Control the O-Rings by watching the fitting when sliding the pipe with the steel sleeve. Slide the steel sleeve up to the fitting flange.

Place the jaw on the steel sleeve so it touches the flange of fitting body. The external edge of the jaw should have a contact with the flange but not clasp the flange of fitting body.

Start the press machine and make the connection.

Press **type fittings with pressed sleeve:**

- are self-sealing,
- can be concealed in walls and also in floors, provided O-Rings have not been damaged during the assembly,
- are made using a jaw adequate to a given pipe diameter,
- have a diameter range of ∅16-63 mm,
- should be made using tools delivered by **KAN-therm** (for diameters 16, 20, 32, 40 mm it is permissible to use "U" standard compatible jaws, for diameter ∅26 "C" standard compatible, and for ∅50, 63 mm "TH" standard compatible according to REMS catalog),
- should be made at temperatures higher than 0°C.

WARNING:

In the pipe fitting design the "loose steel sleeve" technique has been applied - the steel sleeve is slid along with the pipe. In the final phase, such a design forces sliding the steel sleeve up to the body flange after the pipe has been stabilized in relation to the pipe fitting (assembly correctness control). The "loose steel sleeve" technique allows to maintain full control over O-Ring seals during assembly, and it enables to clean easily the fitting body in the case it gets dirty on a construction site.

KAN-therm Press System - screw connections

Cut the pipe perpendicular to its axis using special cutter.

Shape the pipe as required. Bend using external or internal spring. Obey minimum bending radius $R_b \geq 5\ D_Z$.

Calibrate the pipe and bevel its inner edge no deeper than to the aluminum layer. Put the nut with the compresion ring (in case of eroucone adapter) or only nut (in case of eurocone adapter with fixed ring) on the pipe

Slide home the adapter body into the pipe. The slide depth is approx. 9 mm for pipes ∅14, 16, 20, and 12 mm for pipes ∅26.

Slide home the adapter body with the pipe into the fitting socket. Slide the compression ring to the fitting body (in case of erurocone adapter).

Screw the nut onto the fitting body using flat spanner.

Screwed fittings:

- are self-sealing and have a diameter range of ∅14-26mm,
- can be concealed in walls in case of eurocone adapter with fixed ring,
- should not be concealed in cement screeds,
- enable to disassemble the joint in the case of system modernization.

WARNING:

Female brass fittings (with internal thread) should not be joined with conical external threads. If female brass fittings are used, they should be joined with elements with straight cylindrical thread only. To seal them use tow with sealing compound (avoid using excessive amount of tow).

KAN-therm Press System - fixing pipelines

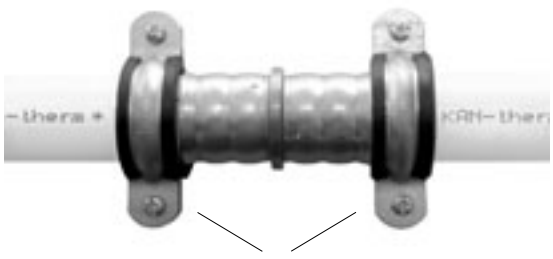
Maximum distances between attachment points are presented in the table

Pipe diameter	14×2	16×2	20×2	26×3	32×3	40×3,5	50×4	63×4,5
Max distances between attachment points [m]	1,2	1,2	1,3	1,5	1,6	1,7	2,0	2,2

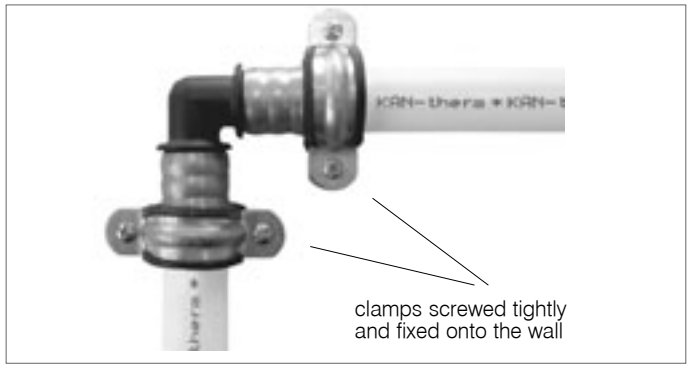
Attachment points can be done as a fixed point (FP - doesn't allow any movement of pipeline) or as a slidable point (SP - allows axial movement of pipeline). Attachment points as a SP (slidable points) are assembled maintaining appropriate distances in order to support the pipeline weight (limitation of pipe buckling). If SP must be put in a place limiting required length of a compensatory arm (expansion compensation lenght), then the pipeline should be supported from the bottom instead of SP to allow movement of pipeline.

KAN-therm Press System - fixed point FP and slidable points SP

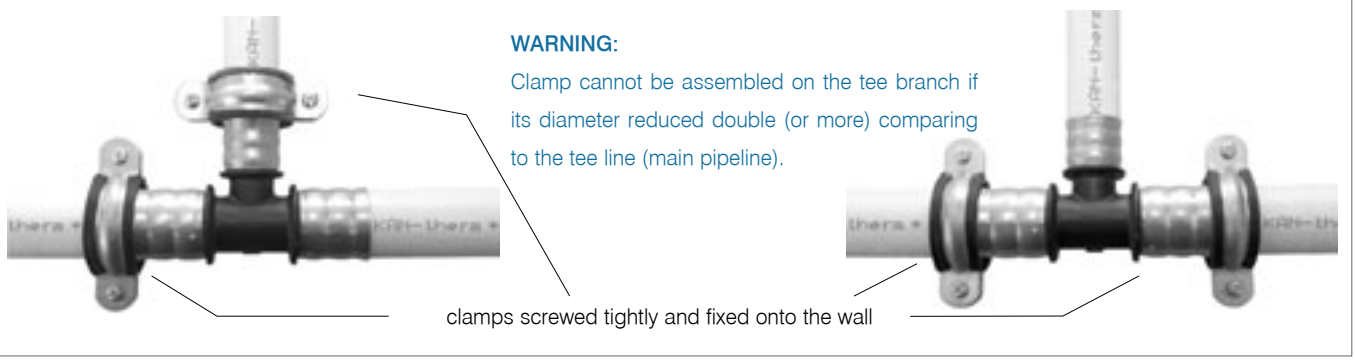
- FPs should prevent pipelines from any movement and that is why FPs should be assembled as a clamps at both sides of a fitting, e.g. a coupling, a tee, an elbow,
- when applying **Press** system, clamps constituting FPs cannot be fixed directly onto fittings or pressed steel sleeves,
- while assembling FPs next to tee, make sure that clamps blocking the pipeline are not fixed onto the tee branch double (or more) reduced comparing to line (forces caused by large diameter pipes can damage smaller branch),
- SPs allow only axial movement of the pipeline (they should be treated as FPs -fixed points for the perpendicular pipeline axis) and should be made using plastic hinged pipe clips delivered by **KAN-therm** System (clamps also can be used but sould be not screwed in a way blocking axial thermal movement of pipeline),
- SPs should not be assembled next to fittings because this may block thermal movement of the pipeline,
- remember that SPs prevent the pipeline from moving crosswise to its axis, and thus their position may decide on the compensatory arms length (expansion compensation length).



Fixed point FP next to the coupling.



Fixed point FP next to the elbow.



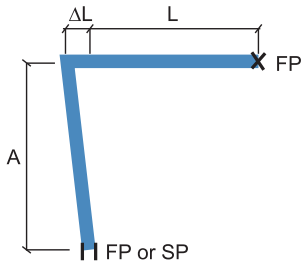
Fixed point FP next to the tee.

KAN-therm Press System - L type pipe thermal elongation compensation

Table 1. Compilation of thermal elongations ΔL [mm] of pipes of different lengths L [m] at different increases of temperature Δt [C°].

L [m]	ΔL - elongation [mm]							
	Δt - increase of temperature [°C]							
	10	20	30	40	50	60	80	90
0,5	0,13	0,25	0,38	0,50	0,63	0,75	1,00	1,13
1	0,25	0,50	0,75	1,00	1,25	1,50	2,00	2,25
2	0,50	1,00	1,50	2,00	2,50	3,00	4,00	4,50
3	0,75	1,50	2,25	3,00	3,75	4,50	6,00	6,75
4	1,00	2,00	3,00	4,00	5,00	6,00	8,00	9,00
5	1,25	2,50	3,75	5,00	6,25	7,50	10,00	11,25
6	1,50	3,00	4,50	6,00	7,50	9,00	12,00	13,50
7	1,75	3,50	5,25	7,00	8,75	10,50	14,00	15,75
8	2,00	4,00	6,00	8,00	10,00	12,00	16,00	18,00
9	2,25	4,50	6,75	9,00	11,25	13,50	18,00	20,25
10	2,50	5,00	7,50	10,00	12,50	15,00	20,00	22,50
15	3,75	7,50	11,25	15,00	18,75	22,50	30,00	33,75
20	5,00	10,00	15,00	20,00	25,00	30,00	40,00	45,00
25	6,25	12,50	18,75	25,00	31,25	37,50	50,00	56,25
30	7,50	15,00	22,50	30,00	37,50	45,00	60,00	67,50
35	8,75	17,50	26,25	35,00	43,75	52,50	70,00	78,75
40	10,00	20,00	30,00	40,00	50,00	60,00	80,00	90,00

Thermal elongation ΔL causes pipeline deformation on compensation arm A length (expansion compensation length). Compensation arm A length should not cause excessive stress in the pipeline (should not be smaller then value given in table 2) and depends on pipe external diameter, pipe thermal elongation, and a constant (linear expansion coefficient) for a given material.



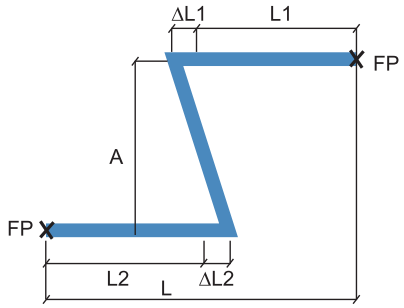
A - compensation arm length (expansion compensation length)
SP - slidable point (enables movement along pipe axis only)
FP - fixed point (prevents pipeline from moving)
L - pipeline initial length
ΔL - pipeline thermal elongation

L type pipe thermal elongation compensation.

Table 2. Minimum compensation arm A length (expansion compensation length) depending on pipe external diameter and its elongation.

ΔL - elongation [mm]	A - elastic arm length [mm]							
	D_Z - pipe external diameter [mm]							
	14	16	20	26	32	40	50	63
5	300	320	360	410	460	510	570	640
10	430	460	510	580	640	720	810	900
15	530	560	620	710	790	880	990	1 110
20	600	640	720	820	910	1 020	1 140	1 280
30	740	790	880	1 010	1 120	1 250	1 400	1 570
40	850	910	1 020	1 160	1 290	1 440	1 610	1 810
50	950	1 020	1 140	1 300	1 440	1 610	1 800	2 020
60	1 050	1 120	1 250	1 420	1 580	1 770	1 970	2 210
70	1 130	1 210	1 350	1 540	1 700	1 910	2 130	2 390
80	1 210	1 290	1 440	1 640	1 820	2 040	2 280	2 560
90	1 280	1 370	1 530	1 740	1 930	2 160	2 420	2 710

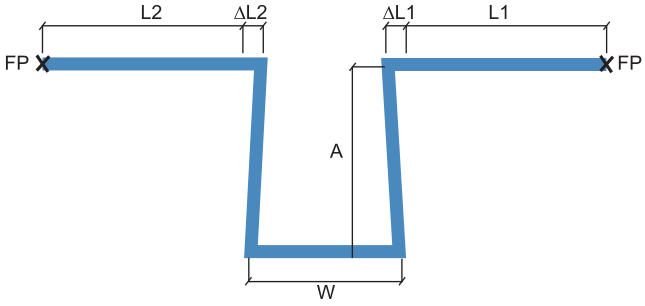
KAN-therm Press System - Z type pipe thermal elongation compensation



A - compensation arm length (expansion compensation length)
SP - slidable point (enables movement along pipe axis only)
FP - fixed point (prevents pipeline from moving)
L - pipeline initial length
ΔL - pipeline thermal elongation

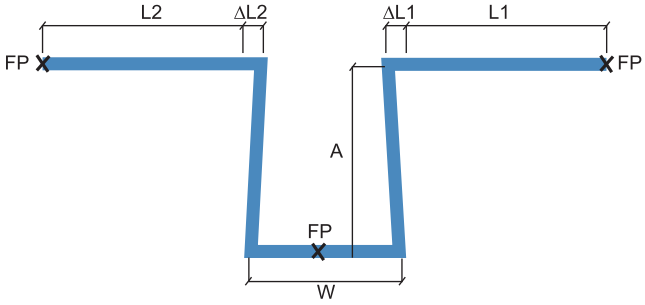
For compensation arm dimensioning, L1 and L2 sum is taken as substitute length L_Z=L1+L2, and for this L_Z length substitute elongation ΔL_z is determined on the basis of Table 1. Next, compensation arm A_Z length (expansion compensation length) is determined on the basis of Table 2.

KAN-therm Press System - U type pipe thermal elongation compensation



A - compensation arm length (expansion compensation length)
SP - slidable point (enables movement along pipe axis only)
FP - fixed point (prevents pipeline from moving)
L - pipeline initial length
ΔL - pipeline thermal elongation
W - U shape compensator width

For compensation arm dimensioning (in case where FP doesn't exist on W length), half of L1 and L2 sum is taken as substitute length L_Z=(L1+L2)/2, and for this L_Z length substitute thermal elongation ΔL_z is determined on the basis of Table 1. Next, compensation arm A_Z length (expansion compensation length) is determined on the basis of Table 2.



A - compensation arm length (expansion compensation length)
SP - slidable point (enables movement along pipe axis only)
FP - fixed point (prevents pipeline from moving)
L - pipeline initial length
ΔL - pipeline thermal elongation
W - U shape compensator width

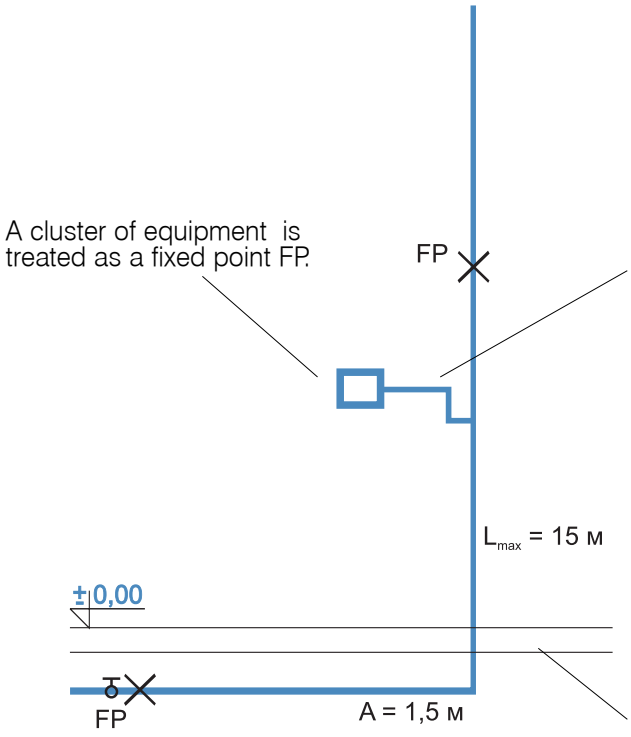
In the case of placing fixed point FP on a segment constituting compensator width W, for compensation arm dimensioning a higher value L1 or L2: is taken as substitute length L_Z=max(L1, L2), and for this L_Z length substitute thermal elongation ΔL_z is determined on the basis of Table 1. Next, compensation arm A_Z length (expansion compensation length) is determined on the basis of Table 2.

Compensator width W has to provide free operation of L1 and L2 segments and allow for possible pipe insulation thickness and assembly conditions.
$W \geq 2\times t_{ins} + \Delta L1 + \Delta L2 + S_{min}$
t_{ins} - insulation thickness
ΔL1, ΔL2 - L1 and L2 segments thermal elongation
S_{min} - minimum length resulting from elbow build-over or pipe bending.
Width W should be minimized in the case when width W exceeds 10% of L1 or L2 value, U-shape compensator with a fixed point FP should be calculated as Z type compensator taking into consideration width W and a higher value of L1 and L2.
Minimum pipe bending radius R_{min}= 5 D_{Ex} (it is not recommended to bend pipes of external diameter above 32 mm)
D_{Ex} - pipe external diameter.

KAN-therm Press System - recommendations when applying thermal elongation compensation rules

- valves and other pipeline equipment should be assembled in segments that do not constitute compensation arms (expansion compensation length), and in such a way that they do not block thermal pipeline movements, e.g. against slidable points SP. It is most convenient to fix valves as a fixed points FPs, which also secures pipelines against carrying valves weight, as well as against forces appearing when the valves are opened and closed,
- never leave pipeline segments without the possibility of compensation of thermal elongations,
- when perpendicularly connecting pipelines to steel pipes, the connecting spot should be treated as a point preventing the multilayer pipeline from moving along its axis - it is unacceptable to make a fixed point FP for a steel pipeline by fixing clamps on the multilayer pipeline. If the steel pipeline in connecton spot to the multilayer pipe can increase its length caused by thermal elongation, then the segment of multilayer pipe from coonecting spot has to be made as a compensiation arm by correctly locating slidable point SP (fixed point FP is unacceptable). Compensation arm length should be determined on the basis of the value of elongation ΔL of steel pipeline. To define the compensation arm on the multilayer pipeline Table 2 should be used,
- when axially connecting multilayer pipelines to steel pipes to define compensation arm (expansion compensation length) on the perpendicular multilayer pipeline, the thermal elongation resulting from the sum of elongations of both multilayer and steel pipelines should be taken into consideration,
- when connecting multilayer pipelines to steel pipes, it is recommended to make a fixed point FP on the steel pipeline in the connecting spot (it should be foreseen while planning compensation of steel pipeline),
- in shafts, vertical pipeline should have the possibility of free thermal work. In the case of lack of possibility of making compensation arms (expansion compensation length) on the branch of main vertical pipeline, it is recommended to use elastic PE-Xc or PE-RT pipes for those branchings,
- water meters and heat meters (and other equipment) assembled on pipelines have to be fixed onto the walls as fixed points FP (pipelines should neither carry their weight nor forces caused by the equipment use).

KAN-therm Press System - an example of compensation of thermal elongations of vertical pipeline and its branchings



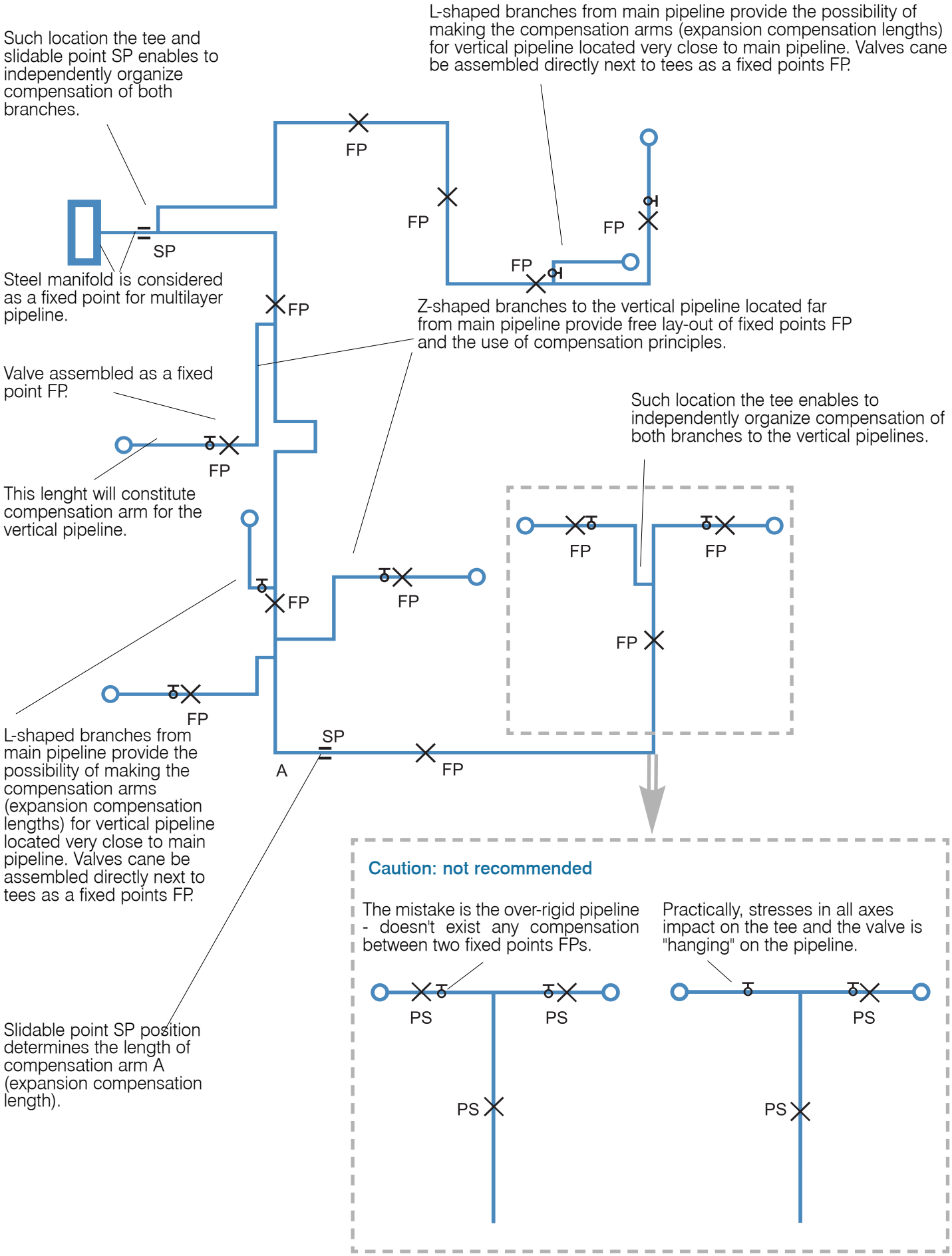
Using the compensation arm at vertical pipeline base A=1,5 m and placing a fixed point FP halfway the vertical pipeline height, vertical pipeline heigth can reach 30 m high (for pipes up to dia 63 mm).
A higher vertical pipeline can be taken if a higher thermal elongation of a segment above fixed point FP is allowed and compensation arm length A is increased.

It is recommended to make a Z-type compensation on the branch. A required length of compensation arm on the branch should be maintained. If it is impossible, then use elastic pipes, e.g. PE-RT and PE-Xc as a branch.

A pipline lenght of 15 m at a temperature increase of 80°C will elongate for 30 mm. A 30 mm elongation requires compensation arm A that is 1,5 m long for a pipe 63 mm in diameter.

Passages in floors should enable the pipeline to move lengthwise and crosswise so to take over deformation caused by thermal elongations of vertical pipeline an thermal elongation of length A which consistiute the compensation arm (expansion compensation length) for vertical pipeline.

KAN-therm Press System - an example of compensation of thermal elongations of main pipeline and its branches



KAN-therm Press System
Catalogue

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This catalogue is valid from August 1st, 2007 and replaces all its previous editions.
KAN Sp. z o.o. reserves the right to change contents of this catalogue.

KAN-therm multilayer pipe PE-RT/Al/PE-HD Multi Basic (PN10 series) designed for central heating, hot and cold water systems as well as for floor heating systems; operating pressure max. 6 bar.

Size	Pipe length in coil/on palette	Code	Price €/m
∅14×2	200/3000	0.9314	
∅16×2	200/3000	0.9316	

KAN-therm multilayer pipe PE-RT/Al/PE-HD Multi Universal (PN12 series) designed for central heating, hot and cold water systems as well as for floor heating systems; operating pressure max. 10 bar.

Size	Pipe length in coil/on palette	Code	Price €/m
∅14×2	200/3000	0.9414	
∅16×2	200/3000	0.9416	
∅20×2	100/1500	0.9420	
∅26×3	50/600	0.9426	
∅32×3	50/600	0.9432	
∅40×3,5	25/300	0.9440	

KAN-therm multilayer pipe PE-RT/Al/PE-HD Multi Universal (PN12 series) designed for central heating, hot and cold water systems as well as for floor heating systems; operating pressure max. 10 bar.

Size	Straight length/Pcs. in one box	Code	Price €/m
∅32×3	5/50	0.9532	
∅40×3,5	5/50	0.9540	

KAN-therm multilayer pipe PE-X/Al/PE-X Multi Universal (PN12 series) designed for central heating, hot and cold water systems as well as for floor heating systems; operating pressure max. 10 bar.

Size	Straight length/Pcs. in one box	Code	Price €/m
∅50×4	5/20	0.9550	
∅63×4,5	5/20	0.9563	

KAN-therm Press straight male connector

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2 G½"	20/200	9024.42	
∅20×2 G¾"	10/150	9024.64	
∅26×3 G1"	10/80	9024.65	
∅32×3 G1"	5/40	9024.43	
∅32×3 G1¼"	5/40	9024.44	
∅40×3,5 G1¼"	2/20	9024.45	
∅40×3,5 G1½"	2/20	9024.46	
∅50×4 G1½"	2/20	9050.180	
∅63×4,5 G2"	1/10	9063.170	

KAN-therm Press straight female connector

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2 G½"	20/200	9024.84	
∅20×2 G¾"	10/100	9024.86	
∅26×3 G1"	5/50	9024.88	
∅32×3 G1¼"	5/40	9024.90	
∅40×3,5 G1½"	2/30	9024.91	

KAN-therm Press straight coupling

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2/∅16×2	20/200	9024.70	
∅20×2/∅20×2	20/160	9024.71	
∅26×3/∅26×3	10/60	9024.72	
∅32×3/∅32×3	5/40	9024.73	
∅40×3,5/∅40×3,5	2/30	9024.74	
∅50×4/∅50×4	2/20	9050.150	
∅63×4,5/∅63×4,5	1/10	9063.150	

KAN-therm Press reducing coupling

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅20×2/∅16×2	20/200	9024.75	
∅26×3/∅16×2	10/100	9024.66	
∅26×3/∅20×2	10/100	9024.76	
∅32×3/∅26×3	5/40	9024.67	
∅40×3,5/∅32×3	2/30	9024.68	
∅50×4/∅32×3	2/20	9050.190	
∅50×4/∅40×3,5	2/20	9050.160	
∅63×4,5/∅40×3,5	1/10	9063.190	
∅63×4,5/∅50×4	1/10	9063.160	

* stock-out goods
** on request (delivery date about 2 weeks)

catalog net prices - no discount

KAN-therm Press male branch tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅50×4/G1"/∅50×4	1/12	9050.110	
∅63×4,5/G1"/∅63×4,5	-/5	9063.110	

KAN-therm Press reduced tee, male branch

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅50×4/G1"/∅40×3,5	1/15	9050.120	
∅63×4,5/G1"/∅50×4	-/5	9063.120	

KAN-therm Press tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2/∅16×2/∅16×2	10/100	9024.52	
∅20×2/∅16×2/∅16×2	10/80	9024.59	
∅20×2/∅16×2/∅20×2	10/60	9024.58	
∅20×2/∅20×2/∅20×2	10/60	9024.53	
∅26×3/∅16×2/∅20×2	5/40	9024.950	
∅26×3/∅16×2/∅26×3	5/40	9024.940	
∅26×3/∅20×2/∅20×2	5/40	9024.61	
∅26×3/∅20×2/∅26×3	5/40	9024.600	
∅26×3/∅26×3/∅26×3	5/30	9024.54	
∅32×3/∅16×2/∅32×3	2/30	9024.990	
∅32×3/∅20×2/∅26×3	2/30	9024.970	
∅32×3/∅20×2/∅32×3	2/30	9024.960	
∅32×3/∅26×3/∅26×3	2/20	9024.630	
∅32×3/∅26×3/∅32×3	2/20	9024.620	
∅32×3/∅32×3/∅32×3	2/20	9024.550	
∅40×3,5/∅20×2/∅32×3	2/20	9040.130	
∅40×3,5/∅20×2/∅40×3,5	2/20	9040.110	
∅40×3,5/∅26×3/∅32×3	2/16	9040.140	
∅40×3,5/∅26×3/∅40×3,5	2/16	9040.120	
∅40×3,5/∅32×3/∅32×3	1/15	9024.570	
∅40×3,5/∅32×3/∅40×3,5	1/10	9024.690	
∅40×3,5/∅40×3,5/∅40×3,5	1/10	9024.560	
∅50×4/∅50×4/∅50×4	1/6	9050.100	
∅63×4,5/∅63×4,5/∅63×4,5	-/3	9063.100	

KAN-therm Press elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2/∅16×2	20/160	9024.47	
∅20×2/∅20×2	10/100	9024.48	
∅26×3/∅26×3	5/50	9024.49	
∅32×3/∅32×3	5/30	9024.500	
∅40×3,5/∅40×3,5	2/20	9024.510	
∅50×4/∅50×4	2/12	9050.000	
∅63×4,5/∅63×4,5	-/6	9063.000	

KAN-therm Press elbow 45°

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅32×3/∅32×3	5/30	9032.220	
∅40×3,5/∅40×3,5	2/20	9040.220	
∅50×4/∅50×4	1/10	9050.220	
∅63×4,5/∅63×4,5	0/5	9063.220	

*KAN-therm Press wallplate elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2/G½"	10/80	9024.010	
∅20×2/G½"	10/80	9024.020	

Don't use strong seal coatings like Loctite, e.g. Loctite 577.
Use only bow with sealing compound.

KAN-therm nut M8 - service part for wallplate elbow

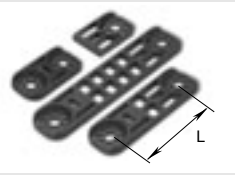
Size	Pcs. in one bag/box	Code	Price €/pcs.
M8	any	6096.03	

Mount to mounting plate with a nut(M8), next to wall.
*PPSU Press wallplate elbow is solid with steel sleeve, plastic plug and nut M8 in a set.

KAN-therm plastic plug for pressure test - short

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	50/300	6095.33	

It may be repeatedly use (has O-Ring seal) and should be used for all KAN-therm wallplate elbows and wallplate tees.



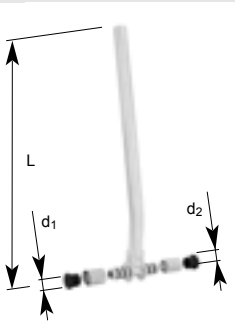
KAN-therm plastic mounting plate

Version	Pcs. in one bag/box	Code	Price €/pcs.
Single	20/200	6090.050	
Double (L=150mm)	10/70	6090.060	
Double (L=80mm)	20/120	6090.070	
Double (L=50mm)	15/150	6090.080	

Used for mounted wallplates.

KAN-therm metal mounting plate

Version	Pcs. in one box	Code	Price €/pcs.
Double (L=50, 80, 150mm)	40	6090.09	
Double (L=50mm)	40	6090.10	



KAN-therm Press tee for radiator connection with dia 15 copper pipe L=300 mm, nickel plated

Size d_1/d_2	Pcs. in one box	Code	Price €/pcs.
∅16×2/∅16×2	50	9024.140	
∅20×2/∅20×2	50	9024.160	
*∅20×2/∅16×2 left	50	9024.220	
*∅20×2/∅16×2 right	50	9024.230	

KAN-therm Press tee for radiator connection with dia 15 copper pipe L=750 mm, nickel plated

Size d_1/d_2	Pcs. in one box	Code	Price €/pcs.
∅16×2/∅16×2	25	9024.150	
∅20×2/∅20×2	25	9024.170	
*∅20×2/∅16×2 left	25	9024.240	
*∅20×2/∅16×2 right	25	9024.250	

* Use RH and LH reduction tees to connect radiators. RH tee identification: looking at bigger diameter the copper pipe bow should be at the right side.

KAN-therm Press fixed elbow for radiator connection with dia 15 copper pipe, nickel plated

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2	0/60	9024.820	

KAN-therm Press double fixed elbow for radiator connection with dia 15 copper pipe, nickel plated

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2	0/20	9024.830	

KAN-therm Press eurocone adapter

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅32 G1"	5/60	9032.000	

KAN-therm Press steel sleeve - service part

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16	any	9024.37	
∅20	any	9024.38	
∅26	any	9024.39	
∅32	any	9024.400	
∅40	any	9024.410	
∅50	any	9050.200	
∅63	any	9063.200	

Sleeve is a service part. Press fittings are solid with sleeves in a set by plastic fixing cup.

* stock-out goods
** on request (delivery date about 2 weeks)

catalog net prices - no discount

KAN-therm adapter for multilayer pipe (fixed ring)

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅14 G½"	20/200	9012.060	
**∅14 G½" (MN)	20/200	9012.070	
∅14 G¾"	15/150	9012.60	
**∅14 G¾" (MN)	15/150	9012.70	
∅16 G½"	20/200	9012.00	
**∅16 G½" (MN)	20/200	9012.010	
∅16 G¾"	10/120	9012.080	
**∅16 G¾" (MN)	10/120	9012.090	
∅20 G¾"	10/120	9012.020	
**∅20 G¾" (MN)	10/120	9012.030	
∅20 G1"	5/80	9012.100	
**∅20 G1" (MN)	5/80	9012.110	
∅26 G1"	10/80	9012.040	
**∅26 G1" (MN)	10/80	9012.050	

(MN) - brass fitting, nickel plated
It can be used also with KAN-therm nipple, or KAN-therm male tee and male elbow.

KAN-therm eurocone adapter

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16 G½"	20/200	9012.00N	
∅16 G¾"	15/150	9012.08N	
∅20 G¾"	10/120	9012.02N	

It can be used also with KAN-therm nipple, or KAN-therm male tee and male elbow.

KAN-therm compression ring for eurocone adapter - service part

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16	100	9012.00NP	
∅20	100	9012.02NP	

Compression ring is also the service part for straight male connector.

KAN-therm straight male connector

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅16×2 G½"	10/150	9025.01	

It has O-Ring for quick connection to manifold body with female.

NOTES

KAN-therm nipple

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	20/300	6032.22	
**G½" (MN)	20/300	6032.22C	
G¾"	10/150	6033.22	
**G¾" (MN)	10/150	6033.22C	
G1"	10/100	6034.22	
**G1" (MN)	10/100	6034.22C	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13) and compression nut and ring for copper pipe (see p. 16).

KAN-therm reduced nipple

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"×G⅜"	20/300	702	
**G½"×G⅜" (MN)	20/300	702C	
G¾"×G½"	10/150	6033.42	
**G¾"×G½" (MN)	10/150	6033.42C	
G1"×G¾"	10/100	6034.42	
**G1"×G¾" (MN)	10/100	6034.42C	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13) and compression nut and ring for copper pipe (see p. 16).

KAN-therm male elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	20/200	9012.20	
**G½" (MN)	20/200	9012.21	
G¾"	10/120	9012.22	
**G¾" (MN)	10/120	9012.23	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).

KAN-therm male-female elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/150	9012.24	
**G½" (MN)	10/150	9012.25	
G¾"	10/80	9012.26	
**G¾" (MN)	10/80	9012.27	
G1"	5/50	9012.28	
**G1" (MN)	5/50	9012.29	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").

KAN-therm male tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/120	9012.30	
**G½" (MN)	10/120	9012.31	
G¾"	5/70	9012.32	
**G¾" (MN)	5/70	9012.33	
G1"	5/40	9012.34	
**G1" (MN)	5/40	9012.35	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).

KAN-therm male-female-male elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G¾"×G½"×G¾"	5/70	9012.36	
**G¾"×G½"×G¾" (MN)	5/70	9012.37	
G1"×G½"×G1"	5/40	9012.38	
**G1"×G½"×G1" (MN)	5/40	9012.39	
G1"×G¾"×G1"	5/40	9012.40	
**G1"×G¾"×G1" (MN)	5/40	9012.41	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").

* stock-out goods
** on request (delivery date about 2 weeks)

catalog net prices - no discount

KAN-therm wallplate direct fixed male-female elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"×G¾"	5/70	9012.50	

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").
For pressure test use KAN-therm plastic plug code 6095.33.

KAN-therm wallplate male-female elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/100	9012.52	
*G½" (MN)	10/100	9012.53	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").
For pressure test use KAN-therm plastic plug code 6095.33.

KAN-therm wallplate straight male-female tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	5/70	9012.54	
*G½" (MN)	5/70	9012.55	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").
For pressure test use KAN-therm plastic plug code 6095.33.

KAN-therm wallplate angle male-female tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	5/70	9012.56	
*G½" (MN)	5/70	9012.57	

(MN) - brass fitting, nickel plated

It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).
Don't join them with taper thread elements (e.g. R½").
For pressure test use KAN-therm plastic plug code 6095.33.

KAN-therm plastic plug for pressure test - short

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	50/300	6095.33	

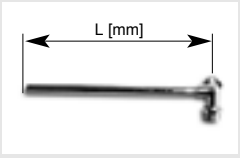
It may be repeatedly use (has O-Ring seal) and should be used for all KAN-therm wallplate elbows and wallplate tees.

KAN-therm wall angle male tee for radiator connection with dia 15 copper pipe, nickel plated

Size	Pcs. in one bag/box	Code	Price €/pcs.
2×G¾" (MN) L = ~220	50	9016.215	

(MN) - brass fitting, nickel plated

On request (delivery date about 3 weeks). It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).

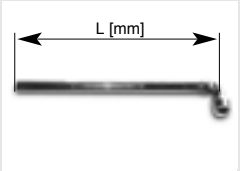


KAN-therm wall male elbow for radiator connection with dia 15 copper pipe, nickel plated

Size	Pcs. in one bag/box	Code	Price €/pcs.
G¾" (MN) L = ~220	20	9016.22	
G½" (MN) L = ~100	70	4400.30	

(MN) - brass fitting, nickel plated

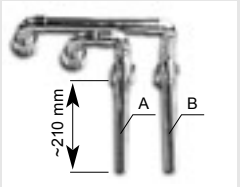
On request (delivery date about 3 weeks). It can be used with eurocone adapter, adapter for multilayer pipe (fixed ring) (see p. 13).



KAN-therm wall double male tee for radiator connection with dia 15 copper pipe, nickel plated

Size	Pcs. in one bag/box	Code	Price €/pcs.
G¾" - version A (upper)	25	9016.32	
G¾" - version B (lower)	10	9016.33	

On request (delivery date about 3 weeks). It should be used as a set for radiator wall connection.



KAN-therm eurocone adapter for copper pipe

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅15 G¾"	15/150	9023.08	

It can be used also with **KAN-therm** nipple, or **KAN-therm** male tee and male elbow.

KAN-therm compression ring for copper pipe

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅15	100/2000	4400.33	

Use with nut mentioned below.

KAN-therm compression nut for copper pipe

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅15 G½"	50/500	9003.17	

Compression nut and ring for copper pipe can be used with **KAN-therm** nipple or **KAN-therm** male tee and male elbow.

KAN-therm compression set for copper pipe

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	20/300	629201N	

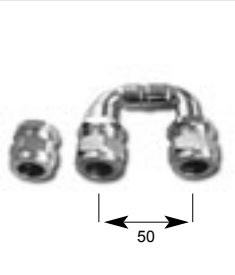
Use for connection the copper pipe to the compatible female body of thermostatic valves (Herz, Danfoss), in other cause use with straight female nipple body to connect to female.
Compression set can be used with **KAN-therm** male-female tee and male-female elbow for connection the copper pipe.

KAN-therm straight female nipple body

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"×G½" (MN)	20/200	9001.35	

(MN) - brass fitting, nickel plated

Use with compression set for connection the copper pipe to the female body of thermostatic valves or female VK radiator connection.
Don't join them with taper thread elements (e.g. R½").



KAN-therm cap and double cap for cooper pipe

Size	Pcs. in one bag/box	Code	Price €/pcs.
∅15	10/150	9016.34	
∅15 (double)	2/50	9016.35	

On request (delivery date 3 weeks):
1. Caps for pessure tests (for tee or elbow for radiator connection with dia 15 copper pipe) - may be repeatedly use.
2. Double test cap can be used if distance between connections is 50 mm, e.g. for VK radiators.

KAN-therm straight male/female union connector

Size	Pcs. in one bag/box	Code	Price €/pcs.
G⅜"	100	4911.00	
G½"	100	4912.00	
G¾"	60	4913.00	
G1"	30	4914.00	

Male fitting with conical external thread. Not to connect with female system fittings.

KAN-therm elbow male/female union connector

Size	Pcs. in one box	Code	Price €/pcs.
G½"	70	4917.00	
G¾"	40	4918.00	
G1"	25	4919.00	

Male fitting with conical external thread. Not to connect with female system fittings.

KAN-therm female elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/100	9001.88	
**G½" (MN)	10/100	9001.88C	
G¾"	5/50	9001.87	
**G¾" (MN)	5/50	9001.87C	
G1"	0/50	4930.00	
G1¼"	0/25	4931.00	

(MN) - brass fitting, nickel plated

Don't join them with taper thread elements (e.g. R½").

KAN-therm female tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	5/70	9001.85	
**G½" (MN)	5/70	9001.85C	
G¾"	5/50	9001.84	
**G¾" (MN)	5/50	9001.84C	
G1"	0/30	4932.00	
G1¼"	0/15	4933.00	

(MN) - brass fitting, nickel plated

Don't join them with taper thread elements (e.g. R½").

KAN-therm female coupling

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	20/200	90N	
**G½" (MN)	20/200	90NC	
G¾"	10/120	91N	
**G¾" (MN)	10/120	91C	
G1"	10/100	4950.00	
**G1" (MN)	10/100	4950.00C	
G1¼"	5/50	4951.00	

(MN) - brass fitting, nickel plated

Don't join them with taper thread elements (e.g. R½").

KAN-therm female, reduced coupling

Size	Pcs. in one bag/box	Code	Price €/pcs.
G¾"×G½"	10/140	9850	
**G¾"×G½" (MN)	10/140	9850C	

(MN) - brass fitting, nickel plated

Don't join them with taper thread elements (e.g. R½").

KAN-therm male-female extension

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½" krótka	10/150	0200.12	
**G½" krótka (MN)	10/150	0200.12C	
G½" długa	10/100	0200.12d	
**G½" długa (MN)	10/100	0200.12dC	
G¾" krótka	10/100	6038.32	
**G¾" krótka (MN)	10/100	6038.32C	

(MN) - brass fitting, nickel plated

Short extension: 30 mm, long exte nsion: 45 mm.
Don't join them with taper thread elements (e.g. R½").

KAN-therm female nipple

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"×G⅜"	20/400	6036.52	
**G½"×G⅜" (MN)	20/400	6036.52C	
G½"×G¼"	20/400	22	
**G½"×G¼" (MN)	20/400	22C	
G¾"×G½"	20/200	6037.52	
**G¾"×G½" (MN)	20/200	6037.52C	
G1"×G¾"	10/120	6038.52	
**G1"×G¾" (MN)	10/120	6038.52C	
G1"×G½"	10/200	4940.00	
G1¼"×G¾"	10/100	4941.00	
G1¼"×G1"	10/100	4942.00	

(MN) - brass fitting, nickel plated
Don't join them with taper thread elements (e.g. R½").

KAN-therm female cap

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	600	6095.22	
**G½" (MN)	600	6095.25	
G¾"	300	6095.23	
**G¾" (MN)	300	6095.26	
G1"	150	6095.24	
**G1" (MN)	150	6095.27	

(MN) - brass fitting, nickel plated

KAN-therm female wallplate elbow

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/100	9001.98	
**G½" (MN)	10/100	9001.98C	

(MN) - brass fitting, nickel plated

To fix the wallplate elbow to the wall use the mountig plates, see p.12/26)
Don't join them with taper thread elements (e.g. R½").
For pressure test use **KAN-therm** plastic plug code 6095.33.

KAN-therm wallplate elbow male-female, directly fixed

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	5/60	9001.62	
**G½" (MN)	5/60	9001.62C	

(MN) - brass fitting, nickel plated

For wall mounting using expansion anchors.
Don't join them with taper thread elements (e.g. R½").
For pressure test use **KAN-therm** plastic plug code 6095.33.

KAN-therm female wallplate angle tee

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	10/100	9006.50	
**G½" (MN)	10/100	9001.57	

(MN) - brass fitting, nickel plated

To fix the wallplate elbow to the wall use the mountig plates, see p.12/26).
Don't join them with taper thread elements (e.g. R½").
For pressure test use **KAN-therm** plastic plug code 6095.33.

KAN-therm plastic plug for pressure test - short

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	50/300	6095.33	

It may be repeatedly use (has O-Ring seal) and should be used for all **KAN-therm** wallplate elbows and wallplate tees.

* stock-out goods
** on request (delivery date about 2 weeks)

catalog net prices - no discount

KAN-therm 1" manifold type 81 without accessories

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
2	314×100×80	81020	
3	314×150×80	81030	
4	314×200×80	81040	
5	314×250×80	81050	
6	314×300×80	81060	
7	314×350×80	81070	
8	314×400×80	81080	
9	314×450×80	81090	
10	314×500×80	81100	
11	314×550×80	81110	
12	314×600×80	81120	

Manifold outputs with internal thread G½".

KAN-therm ¾" manifold type 41 without accessories

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
2	314×100×80	41020	
3	314×150×80	41030	
4	314×200×80	41040	
5	314×250×80	41050	
6	314×300×80	41060	
7	314×350×80	41070	
8	314×400×80	41080	

Manifold outputs with internal thread G½".

KAN-therm 1" manifold type 61 with eurocone nipples

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
2	314×100×80	61020	
3	314×150×80	61030	
4	314×200×80	61040	
5	314×250×80	61050	
6	314×300×80	61060	
7	314×350×80	61070	
8	314×400×80	61080	
9	314×450×80	61090	
10	314×500×80	61100	
11	314×550×80	61110	
12	314×600×80	61120	

Manifold used with eurocone adapters G¾" (see p. 13).

KAN-therm ¾" manifold type 40 with eurocone nipples

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
2	314×100×80	4002	
3	314×150×80	4003	
4	314×200×80	4004	
5	314×250×80	4005	
6	314×300×80	4006	
7	314×350×80	4007	
8	314×400×80	4008	

Manifold used with eurocone adapters G½" (see p. 13).

KAN-therm 1" manifold type 74 with open-close valve

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
2	314×100×80	74020	
3	314×150×80	74030	
4	314×200×80	74040	
5	314×250×80	74050	
6	314×300×80	74060	
7	314×350×80	74070	
8	314×400×80	74080	
9	314×450×80	74090	
10	314×500×80	74100	
11	314×550×80	74110	
12	314×600×80	74120	

Open-close valves bulit in the lower and upper body of manifold, it's possible to close every circuit.
Manifold used with eurocone adapters G¾" (see p. 13).

KAN-therm 1¼" manifold type 91 with eurocone nipples

Number of heating circuits	Dimensions (H×W×D)	Code	Price €/set
*2	297×117×80	91020	
*3	297×167×80	91030	
*4	297×217×80	91040	
*5	297×267×80	91050	
*6	297×317×80	91060	
*7	297×367×80	91070	
*8	297×417×80	91080	
*9	297×467×80	91090	
*10	297×517×80	91100	
*11	297×567×80	91110	
*12	297×617×80	91120	

Manifold type 91 union connector 1¼"×1" code 91000 or 1¼"×¾" code 91001 should be used (see p. 20).
Manifold used with eurocone adapters G¾" (see p. 13).

KAN-therm manifold type 91 union connector

Size	Pcs. in one bag/box	Code	Price €/pcs.
1¼"×1"	any	91000	
1¼"×¾"	any	91001	

KAN-therm 1" manifold body for floor heating systems (type 1) with air vent hole G½"

Number of heating circuits	Dimensions	Pcs./packing	Code	Price €/pcs.
2	100	1/10	1.02	
3	150	1/10	1.03	
4	200	1/10	1.04	
5	250	1/10	1.05	
6	300	1/10	1.06	
7	350	1/10	1.07	
8	400	1/10	1.08	
9	450	1/10	1.09	
10	500	1/10	1.10	
11	550	1/10	1.11	
12	600	1/10	1.12	

It has outputs for individual circuits with female thread G½", manifold inputs G1", hole in upper part for automatic air vent.

KAN-therm 1" manifold body for utility water systems (type 2) without air vent hole

Number of heating circuits	Dimensions	Pcs./packing	Code	Price €/pcs.
2	100	1/10	2.02	
3	150	1/10	2.03	
4	200	1/10	2.04	
5	250	1/10	2.05	
6	300	1/10	2.06	
7	350	1/10	2.07	
8	400	1/10	2.08	
9	450	1/10	2.09	
10	500	1/10	2.10	
11	550	1/10	2.11	
12	600	1/10	2.12	

It has outputs for individual circuits with female thread G½", manifold inputs G1".

KAN-therm new manifold bracket

Pcs./packing	Code	Price €/pcs.
50	5309	

*KAN-therm manifold body bracket (type 1 or 2)

Pcs./packing	Code	Price €/pcs.
50	5313	

KAN-therm nipple for manifold with O-Ring

Size	Pcs. in one bag/box	Code	Price €/pcs.
G¾"×G½"	20/200	P05	
G½"×G½"	20/300	P10	

Nipple P05 used with eurocone adapters G¾" (see p. 13).
Nipple P10 used with eurocone adapters G½" (see p. 13).

KAN-therm female nipple

Size	Pcs. in one box	Code	Price €/pcs.
G1"×G½"	10/120	4.12	
G1"×G¾"	10/120	4.13	

It has O-Ring, code U28.

KAN-therm new male plug with hex socket

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	20/600	6095.34	

It has O-Ring.

KAN-therm male plug

Size	Pcs. in one box	Code	Price €/pcs.
*G½"	20/600	6095.35	
G¾"	20/300	6095.32	
*G¾"	20/300	6095.36	
G1"	10/150	6095.43	

Code 6095.32, 6095.43 has O-Ring, code U28; others without O-Ring.

KAN-therm O-Ring - service part

Size	Pcs. in one bag/box	Code	Price €/pcs.
18,3×2,4	100	U18	
17×2	any	U17	
24×2	any	U24	
28×3	100	U28	

Use O-Ring, code U18 for manifold nipples, code P05 and P10.
Use O-Ring, code U17 for plug, code 6095.34.
Use O-Ring, code U24 for plug, code 6095.32.
Use O-Ring, code U28 for plug, code 6095.43 and female nipple 4.12 and 4.13.

KAN-therm nipple with special seal

Size	Pcs. in one bag/box	Code	Price €/pcs.
G1"	10/100	R543	

KAN-therm male-female terminal with special seal

Size	Pcs. in one bag/box	Code	Price €/pcs.
G1"×G½"×G½"	5/70	R542	

For manifold to extend it by one more circuit.

KAN-therm valve set, straight

Size	Sets in one bag/box	Code	Price €/set
G1"×G1"	any	K-600400	

Set of valves with screw connection for manifolds of **KAN-therm** System fixed on a 1" profile without any additional sealing.
For manifold with side supply connection.

KAN-therm valve set, angular

Size	Sets in one bag/box	Code	Price €/set
G1"×G1"	1/20	K-600500	

Set of valves with screw connection and elbows for manifolds of **KAN-therm** System fixed on a 1" profile without any additional sealing.
For manifolds supplied from floor.

KAN-therm male terminal with automatic air vent and drain

Size	Pcs./packing	Code	Price €/pcs.
G1"	5/50	R5541	

Used for 1" manifold.

KAN-therm manual air vent valve

Size	Pcs./packing	Code	Price €/pcs.
G⅜"	50	0.5321	
G½"	50	5322	

KAN-therm male air vent and drain valve

Size	Pcs./packing	Code	Price €/pcs.
G½"	25	1305.11	

Used for manifold.

KAN-therm automatic air vent with stop valve

Size	Pcs./packing	Code	Price €/pcs.
G⅜"	100	0.52072	
G½"	100	0.52071	

Stop valve makes possible to remove air vent without draining the system.

KAN-therm wall-mounted cabinet SWNE type, for manifolds without mixing unit

Type	Number of heating circuits	Dimensions (H×W×D)	Pcs./ packing	Code	Price €/pcs.
SWNE-4	4	585×350×110	48	1100Z	
SWNE-6	6	585×450×110	34	1110Z	
SWNE-8	8	585×550×110	24	1120Z	
SWNE-10	10	585×650×110	20	1130Z	
SWNE-13	13	585×800×110	24	1140Z	

Features: - removable painted body,
- removable back wall for easy installation of manifold and system parts,
- four mounting holes in a back wall for extension anchors,
- coin lock,
- white colour, RAL 9016.

Cheaper non-painted cabinets SWNE on request.

KAN-therm wall-mounted cabinet SWN type, for manifolds without mixing unit

Type	Number of heating circuits	Dimensions (H×W×D)	Pcs./ packing	Code	Price €/pcs.
SWN-4	4	630×350×110	39	1100S	
SWN-6	6	630×450×110	34	1110S	
SWN-8	8	630×550×110	26	1120S	
SWN-10	10	630×650×110	21	1130S	
SWN-13	13	630×800×110	16	1140S	

Features: - removable screwed front body crosspiece for easy installation,
- four mounting holes in a back wall for extension anchors,
- coin lock,
- white colour, RAL 9016.

Cheaper non-painted cabinets SWN on request.

KAN-therm wall-mounted cabinet SWNU type, for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions (H×W×D)	Code	Price €/pcs.
*SWNU-8/3	8/3	630×580×140	1200S	
*SWNU-10/7	10/7	630×780×140	1210S	
*SWNU-13/10	13/10	630×930×140	1220S	

*SWNU 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*SWNU 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*SWNU 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).

Features: - removable screwed front body crosspiece for easy installation,
- four mounting holes in a back wall for extension anchors,
- coin lock,
- white colour, RAL 9016.

Cheaper non-painted cabinets SWNU on request.

KAN-therm in wall -mounting cabinet SWPG type, to cover by ceramic tile, for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions (H×W×D)	Code	Price €/pcs.
SWPG-4	4	450×350×110-165	1300G	
SWPG-6	6	450×450×110-165	1310G	
*SWPG-8/3	8/3	450×580×110-165	1320G	
*SWPG-10/7	10/7	450×780×110-165	1330G	
*SWPG-13/10	13/10	450×930×110-165	1340G	

*SWPG 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*SWPG 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*SWPG 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).
**External cabinet body dimensions (min. installation recess dimensions).

Features: - wall cavity depth adjusted from 110 to 165 mm,
- cabinet door fixed with magnets,
- can be covered with glaze or other material.

KAN-therm in wall -mounting cabinet SWPSE type with 45° frame for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions **(H×W×D)	Pcs./ packing	Code	Price €/pcs.
SWPSE-4	4	560-660×350×110-165	48	1300Z	
SWPSE-6	6	560-660×450×110-165	38	1310Z	
*SWPSE-8/3	8/3	560-660×580×110-165	28	1320Z	
*SWPSE-10/7	10/7	560-660×780×110-165	17	1330Z	
*SWPSE-13/10	13/10	560-660×930×110-165	15	1340Z	

*SWPSE 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*SWPSE 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*SWPSE 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).
**External cabinet body dimensions (min. installation recess dimensions).

Features: - cabinet height adjustment from 560 to 660 mm,
- front panel height adjustment using masking part from 525 to 560 mm,
- wall cavity depth adjusted from 110 to 165 mm,
- coin lock,
- white colour, RAL 9016,
- shutter type cabinet sides,
- 45° front panel edge angle provides good flush.

Cheaper non-painted cabinets SWPSE on request.

KAN-therm in wall -mounting cabinet SWPS type with 45° frame for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions **(H×W×D)	Pcs./ packing	Code	Price €/pcs.
SWPS-4	4	680-780×350×110-165	34	1300S	
SWPS-6	6	680-780×450×110-165	27	1310S	
*SWPS-8/3	8/3	680-780×580×110-165	20	1320S	
*SWPS-10/7	10/7	680-780×780×110-165	17	1330S	
*SWPS-13/10	13/10	680-780×930×110-165	14	1340S	

*SWPS 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*SWPS 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*SWPS 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).
**External cabinet body dimensions (min. installation recess dimensions).

Features: - cabinet height adjustment from 680 to 780 mm,
- frame height adjustment using masking part from 570 to 625 mm,
- wall cavity depth adjusted from 110 to 165 mm,
- coin lock,
- white colour, RAL 9016,
- shutter type cabinet sides,
- 45° front panel edge angle provides good flush.

90° front panel edge angle for above types (delivery within 2 weeks) as well as cheaper non-painted cabinets SWPS on request.

KAN-therm cabinet front panel RAMSE type with 45° frame for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions **(H×W)	Code	Price €/pcs.
RAMSE-4	4	525-560×350	1600Z	
RAMSE-6	6	525-560×450	1610Z	
*RAMSE-8/3	8/3	525-560×580	1620Z	
*RAMSE-10/7	10/7	525-560×780	1630Z	
*RAMSE-13/10	13/10	525-560×930	1640Z	

*RAMSE 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*RAMSE 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*RAMSE 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).
**Recess assembly dimensions.

Features: - front can be used directly for recess masking purpose without mounting of SWPS and SWPSE cabinets,
- mounting lugs, 150 mm long, for direct front panel installation,
- fastening extension anchors,
- panel height adjustment using masking part from 570 to 625 mm,
- coin lock,
- white colour, RAL 9016,
- 45° front panel edge angle provides good flush.

2 pcs. in one packing.

Cheaper non-painted front RAMS on request.

KAN-therm cabinet front panel RAMS type with 45° frame for manifolds without/with mixing unit

Type	Number of heating circuits	Dimensions **(H×W)	Code	Price €/pcs.
RAMS-4	4	570-625×350	1600S	
RAMS-6	6	570-625×450	1610S	
*RAMS-8/3	8/3	570-625×580	1620S	
*RAMS-10/7	10/7	570-625×780	1630S	
*RAMS-13/10	13/10	570-625×930	1640S	

*RAMS 8/3 - (8 heating circuits without mixing system / 3 heating circuits with mixing system).
*RAMS 10/7 - (10 heating circuits without mixing system / 7 heating circuits with mixing system).
*RAMS 13/10 - (13 heating circuits without mixing system / 10 heating circuits with mixing system).
**Recess assembly dimensions.

Features: - front can be used directly for recess masking purpose without mounting of SWPS and SWPSE cabinets,
- mounting lugs, 150 mm long, for direct front panel installation,
- fastening extension anchors,
- panel height adjustment using masking part from 570 to 625 mm,
- coin lock,
- white colour, RAL 9016,
- 45° front panel edge angle provides good flush.

2 pcs. in one packing.

Cheaper non-painted front RAMS on request.

KAN-therm lock & key

Pcs. in one bag/box	Code	Price €/pcs.
any	85/834	

Features: - many key combinations,
- can be used for all type of KAN cabinets and front panels.

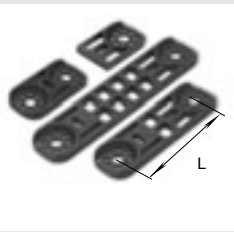
NOTES

KAN-therm corrugated (protection) pipe

Size	Q-ty in coil	Code	Price €/m
∅12-14	100	1904	
∅16-18	50	1900	
∅20	50	1906	
∅25-26	50	1901	
∅32	50	1908	
**∅40	25	1910	

Apply for hot and cold water system and central heating, as a protecting pipe, in the case of embedding the system in concrete.

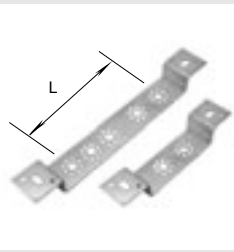
** on request (delivery date about 2 weeks)



KAN-therm plastic mounting plate

Version	Pcs. in one bag/box	Code	Price €/pcs.
Single	20/200	6090.050	
Double (L=150mm)	10/70	6090.060	
Double (L=80mm)	20/120	6090.070	
Double (L=50mm)	15/150	6090.080	

Used for mounted wallplates.



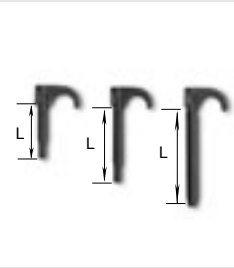
KAN-therm metal mounting plate

Version	Pcs. in one box	Code	Price €/pcs.
Double (L=50, 80, 150mm)	40	6090.09	
Double (L=50mm)	40	6090.10	

KAN-therm mounting bolt

Pcs. in one bag/box	Code	Price €/pcs.
100/2000	6096.02	

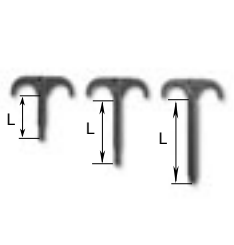
Use for wallplate elbow and tee to fix to the mounting plate.



KAN-therm single plastic pipe hook

Size of PE-Xc or PE-RT pipe	Pcs. in one bag/box	Code	Price €/pcs.
a) ∅14-20 (L=48mm)	100/5000	0.8048	
b) ∅14-20 (L=77mm)	100/4000	8051	
c) ∅14-26 (L=100mm)	100/3000	8053	
d) ∅14-26 (L=80mm)	200/1600	1851N	

Use in case of pipe in corrugated (protection) pipe.



KAN-therm double plastic pipe hook

Size of PE-Xc or PE-RT pipe	Pcs. in one bag/box	Code	Price €/pcs.
a) ∅14-20 (L=48mm)	100/3000	0.8049	
b) ∅14-20 (L=77mm)	100/2400	8052	
c) ∅14-26 (L=100mm)	100/2000	8054	
d) ∅14-26 (L=80mm)	200/800	1951N	

Use in case of pipe in corrugated (protection) pipe.

KAN-therm snap-in pipe clip with extension anchor and spacer

Size of PE-Xc or PE-RT pipe	Pcs. in one bag/box	Code	Price €/pcs.
∅16 single	100	1730	
∅16 double	100	1630U	

Use directly on pipe (without corrugated pipe).

KAN-therm rosette Ø15

Size	Pcs. in one box	Code	Price €/pcs.
Single	100	2215	
Double	50	2220	

Used for masking of floor outgoing pipes.

KAN-therm double metal floor clip

Size	Pcs. in one box	Code	Price €/pcs.
Ø26 (pipe in protecting tube)	50/1000	276	
Ø32 (pipe in protecting tube)	40/800	278	

Use only in case of pipe in corrugated (protection) pipe.

KAN-therm plastic plug for pressure test - short

Size	Pcs. in one bag/box	Code	Price €/pcs.
G½"	50/300	6095.33	

It may be repeatedly use (has O-Ring seal) and should be used for all KAN-therm wallplate elbows and wallplate tees.

KAN-therm plastic plug for pressure test - long

Size	Pcs./packing	Code	Price €/pcs.
G½"	20	2100	
G¾"	20	2110	

It may be repeatedly use (has O-Ring seal) and should be used for all KAN-therm wallplate elbows and wallplate tees.

NOTES

KAN-therm manual press tool

Code
ZAPR02

Price €/pcs.

Used for pipe connections with ∅16, ∅20, ∅26 mm.

KAN-therm press jaw

Size	Code	Price €/pcs.
∅16	ZAPR16R	
∅20	ZAPR20R	
∅26	ZAPR26R	
∅32	ZAPRE32	
∅40	ZAPRE40	
∅50	ZAPRE50	
∅63	ZAPRE63	

KAN-therm pipe cutter

Pcs./packing
any

Code
RS1435

Price €/pcs.

KAN-therm replacement blade for pipe cutter

Code
RSM1435

Price €/pcs.

KAN-therm wheel pipe cutter for diameter up to 63

Pcs./packing
any

Code
2519950

Price €/pcs.

KAN-therm calibration and internal bevelling tool for multilayer pipes

Size	Code	Price €/pcs.
∅14	KL14	
∅16	KL16	
∅20	KL20	
∅26	KL26	

KAN-therm calibration and internal bevelling universal tool for multilayer pipes

Size	Code	Price €/pcs.
∅16/∅20/∅26	KL162026	
∅26/∅32/∅40	KL263240	
∅50/∅63	KL5063	

KAN-therm case for manual tools

Code
002.001.000

Price €/pcs.

Price comprises only case price, without equipment. May contain manual press tool, press jaws: ZAPR16, ZAPR20, ZAPR26, pipe cutter RS1435, calibration tools KL16, KL20, KL26, KL162026.

* stock-out goods
** on request (delivery date about 2 weeks)

catalog net prices - no discount

KAN-therm manual press tools - case set

Code KPPZ/M

Price €/set

It consists of the following items:
- manual press tool, ZAPR02,
- press jaw, ZAPR16R,
- press jaw, ZAPR20R,
- press jaw, ZAPR26R,
- pipe cutter, RS1435,
- calibration and internal bevelling universal tool for multilayer pipes; KL162026,
- case for manual tools, 002.001.000.

KAN-therm electric 220V press machine with case

Code ZAPR01

Price €/pcs.

Electric 220 V press machine is solid with a case in a set.
The set doesn't include jaws and other tools.

KAN-therm rechargable battery press machine

Code ZAPRAK

Price €/pcs.

It is solid with battery, charge unit and case in a set.
The set doesn't include jaws.

KAN-therm external bending spring for multilayer pipes

Size	Code	Price €/pcs.
∅14	SZ-1410	
∅16	SZ-1612	
∅20	SZ-2016	
∅26	SZ-2620	

KAN-therm internal bending spring for multilayer pipes

Size	Code	Price €/pcs.
∅14	SW-1410	
∅16	SW-1612	
∅20	SW-2016	
∅26	SW-2620	

KAN-therm special spanner for eurocone adapters

Size	Code	Price €/pcs.
30 mm	K-501900	

ORDER

№..... date .....

Customer Name
(company stamp)

Logistics and Sale Department **KAN** Sp. z o.o.
To: .....
tel./fax .....

№	Item Name	Code	Quantity	Unit of measurement	Price

Order is treated as a purchase contract.
If you don't comply with order conditions, as well as don't pick up ordered goods within 7 days from the date agreed in the order, you will be charged to the amount of 25% order value.

It is a taxpayer	Name/ Surname / telephone of responsible receiver's employee	Customer acceptance
Tax identification number	.....	
I assent to make out tax invoice without my signature.	tel.	..... (stamp, signature)

FIRM KAN FILLS IN

Acknowledgement of the order on receipt time:	**Name/ Surname / telephone of responsible supplier's employee**
From ..... **to** ..... **on time**	
From ..... **to** ..... **on time**	
From ..... **to** ..... **on time**	.....
Condition of payment	**tel.** .....

KAN-therm System - other available catalogues:

1

KAN-therm Push System

The modern push system consists of PE-Xc and PE-RT pipes with brass and PPSU fittings

3

KAN-therm Steel System

The modern press system consists of carbon steel tubes and fittings

4

KAN-therm Inox System

The modern press system consists of stainless steel tubes and fittings.

5

The underfloor heating of KAN-therm System

The modern underfloor heating system.

SYSTEM
KAN-therm

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tel./fax 0048 58 6295-397 - sales department

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EN ISO 9001:2000
Certyfikat: 75 100 6896/28/86

ISO 9001

Promotional Emblem
TERAZ POLSKA '99
for "The Best Product"

THE GOLDEN PLUMBER
STATUETTE '97
for "Study and implementation
of the System **KAN-therm**"

THE GOLDEN PLUMBER
STATUETTE '99
for "Specialist training"

THE GOLDEN PLUMBER
STATUETTE '02
for "Study and implementation
of PPSU plastic fittings
of the System **KAN-therm**"

Poznań International Fairs '06
Gold Medal
for "System **KAN-therm** Press"

Poznań International Fairs '02
Gold Medal
for "Study and implementation
of PPSU plastic fittings
of the System **KAN-therm**"