

RADIANT SYSTEMS

Radiation is the most natural physical principle for transmitting hot and cold and, therefore, more respectful of the health and well-being of the person.

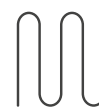
Our radiant systems are all inspired, in their concept, by this principle.

And they are all designed and produced completely by us.

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- 60 Overview of radiant ceiling systems



Energy Management



Radiant Systems



Water Management



Gas Distribution



Renewable Sources



Hydrogen Systems



Fire Protection

➤ Overview of radiant floor systems

SISTEMA KLIMA **RENEW**



**IDEAL FOR
RENOVATION
WORKS AND
WHEN REDUCED
INSTALLATION
THICKNESSES
ARE AVAILABLE**

The R9795 Spider panel is a "tridimensional" mesh printed on plastic, more specifically on high-resistance polypropylene. Its reduced overall height and shape make this panel particularly suitable for renovation and energy requalification interventions. The patented geometry of the tridimensional mesh enables to firmly fit the pipe during installation and fully conceal it in the screed. This ensures an ideal and even heat distribution combined to reduced thermal inertia. Available in two versions: Standard and Slim.

➤ Correlated products



R9795
Thermoformed panel for radiant floor
Info pag. 46



R996T
Giacotherm PEX-b pipe
with anti-oxygen barrier
Info pag. 51



R553FDB
Brass manifold for HVAC systems with
dynamic flow balancing
Info pag. 52



K492T
Wi-Fi weekly chronothermohumidistat
with touch-screen
Info pag. 59



For more details see catalogue
Radiant floor systems

ER0001

SISTEMA KLIMA **NEW BUILDING**



R982Q preformed panels are used in radiant floor systems to improve pipe insulation. Their use is essential to create modern and functional radiant systems as they heat rooms in a very short time with limited powers, therefore also limiting the mass of the radiant structures and reducing heat dispersions downwards. The use of insulation panels reduces the quantity of pipes required and as a consequence the number of radiant circuits, the water flow rates, the diameters of supply pipes, the hydraulic heads of the circulators and the powers involved, leading to immediate energy saving in the name of environment protection.

**IDEAL FOR NEW
CONSTRUCTIONS
OR INSTALLATIONS
WITH NO SPECIFIC
THICKNESS
REQUIREMENT**

Correlated products



R982Q
Thermoformed insulation panel for
radiant floor systems
Info pag. 47



R978
PE-RT pipe with anti-oxygen barrier
Info pag. 51



R553F
Preassembled manifold for HVAC systems
Info pag. 52



K494A
Thermostat, surface mounting installation
Info pag. 59

Insulation Panels

R979S

STANDARD VERSION

PRODUCT CODE	SIZE		
R979SY101	T50 - h22 self-adhesive	13,44	-
R979SY011	T50 - h22 with pins	7,20	-
R979SY021	T50 - h22 with high-density insulation	8,64	-



VIDEO Scan the QR-Code with a smartphone or tablet to view the video-tutorial for SPIDER R979SY101, R979SY011 and R979SY021 panels

Thermoformed panel for radiant floor with thin screed, made of high resistance PPR.

Laying pitch: multiples of 50 mm.

Standard panels: for Ø16÷17 mm pipes.

Slim panels: for Ø12 mm pipes.

Dimension panels:

R979SY101: 1200x800 mm.

R979SY011 - R979SY021: 800x600 mm.

R979SY005 - R979SY025: 1200x600 mm.

Ideal for renovations.

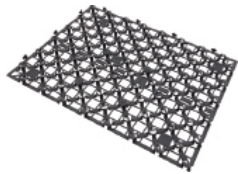
INFO

THERMAL RESISTANCE (EN1264-3)

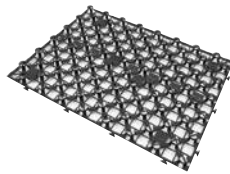
R979SY021: 0,19 (m²K)/W

R979SY025: 0,19 (m²K)/W

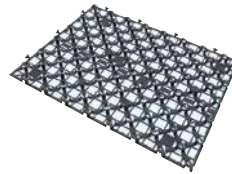
For the fixing of R979SY101, R979SY005, R979SY021, R979SY025 panels, use the R983Y041 plastic plugs.



R979SY101



R979SY011



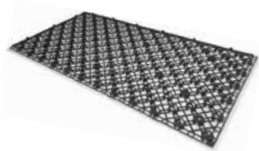
R979SY021

SLIM VERSION

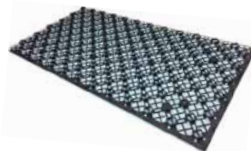
PRODUCT CODE	SIZE		
R979SY005	T50 - h15 self-adhesive	15,84	-
R979SY025	T50 - h15 with high-density insulation	10,08	-



VIDEO Scan the QR-Code with a smartphone or tablet to view the video-tutorial for SPIDER SLIM R979SY005 and R979SY025



R979SY005



R979SY025

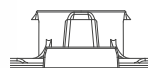


Radiant
Systems



Your freedom to renovate begins where Spider Slim ends.

Spider Slim is an innovative system with top-notch performance that lowers the screed and offers unlimited renovation freedom. The result of Giacomini's research, this preformed panel with tridimensional geometry is a compact solution to achieve the best uniformity in thermal energy distribution. **Spider Slim has a 50 mm laying pitch and can be used with self-levelling compounds, reducing the screed height up to 2 cm. A carefree choice for your renovation needs.**



Available with adhesive base or insulation, its height ranges between 15-21 mm.



GIACOMINI
WATER E-MOTION

R982Q

PRODUCT CODE	SIZE		
R982QY043	T50 - h37	20,16	-
R982QY115	T50 - h50	13,44	-



Thermoformed insulation panel for radiant floor systems.

Consisting of expanded polystyrene foam (EPS150) with black thermoformed polystyrene protection layer.

Laying pitch: multiples of 50 mm.

Thermal conductivity: 0,034 W/m K.

For Ø 15÷18 mm pipes.

Dimensions: 1400x800 mm.

① INFO

THERMAL RESISTANCE (EN1264-3)

R982QY043: 0,44 (m²K)/W

R982QY115: 0,80 (m²K)/W

R979TG

PRODUCT CODE	SIZE		
R979TGY003	T50 - h30	11,20	-
R979TGY005	T50 - h50	6,72	-
R979TGY006	T50 - h63	5,60	-



Thermoformed insulation panel for radiant floor systems with optional diagonal pipe laying.

Consisting of expanded polystyrene foam with graphite (EPS150 for R979TGY003, EPS T for R979TGY005 e R979TGY006) with black thermoformed polystyrene protection layer.

Laying pitch: multiples of 50 mm.

Thermal conductivity: 0,032 W/m K.

For Ø16÷17 mm pipes.

Dimensions: 1400x800 mm.

① INFO

THERMAL RESISTANCE (EN1264-3)

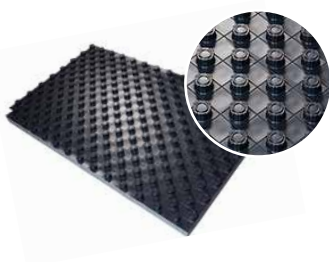
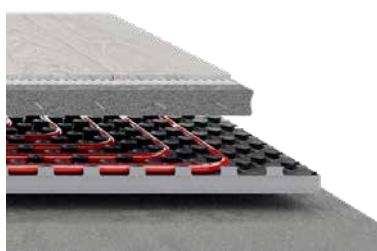
R979TGY003: 0,34 (m²K)/W

R979TGY005: 0,97 (m²K)/W

R979TGY006: 1,38 (m²K)/W

R979G

PRODUCT CODE	SIZE		
R979GY003	T50 - h32	13,44	-
R979GY004	T50 - h42	8,96	-
R979GY094	T50 - h45	7,84	-
R979GY005	T50 - h52	6,72	-
R979GY006	T50 - h62	11,20	-
R979GY007	T50 - h75	8,96	-



Thermoformed insulation panel for radiant floor systems.

Consisting of expanded polystyrene foam with graphite (EPS200 for R979GY003; EPS150 for R979GY004, R979SY094, R979GY005, R979GY006, R979GY007) with black thermoformed polystyrene protection layer.

Laying pitch: multiples of 50 mm.

Thermal conductivity: 0,031 W/m K.

For Ø 16÷18 mm pipes.

Dimensions: 1400x800 mm.

① INFO

THERMAL RESISTANCE (EN1264-3)

R979GY003: 0,33 (m²K)/W

R979GY004: 0,67 (m²K)/W

R979GY094: 0,77 (m²K)/W

R979GY005: 1,00 (m²K)/W

R979GY006: 1,33 (m²K)/W

R979GY007: 1,77 (m²K)/W

R983S

PRODUCT CODE	SIZE		
R983Y041	Ø6 x 60 mm	100	1.000

Plugs for pipes fixing for R979SY001 and R979SY021 panels.



R549P

PRODUCT CODE	SIZE		
R549PY003	Ø16-18	1	50
R549PY004	Ø20	1	50
R549PY007	Ø25	1	50

Bend support.



R983N

PRODUCT CODE	SIZE		
R983Y040	Ø6 x 25 mm	100	1.000

Plugs for R979S panels with insulation and adhesive.



R872D

PRODUCT CODE	SIZE		
R872DY001	-	2	100

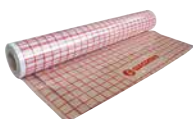
Track for the expansion joint placement.
Length: 2 m.



R984

PRODUCT CODE	SIZE		
R984Y015	Mesh 50x50 mm	125	-

Steam barrier sheet for radiant panels.



K369D

PRODUCT CODE	SIZE		
K369DY001	150 x 8 mm	50	100

Strip for expansion joint.



K393

PRODUCT CODE	SIZE		
K393Y001	50 x 50 mm	2	40

Metallic electro-welded net, zinc plated.



R227-1

PRODUCT CODE	SIZE		
R227Y003	1/2" x 6 mm	25	250

Probe housing.



K369A

PRODUCT CODE	SIZE		
K369AY021	150 x 8 mm	50	100
K369AY022	250 x 8 mm	50	100

Wall edging strip.



➤ Dry Insulation System



**IDEAL FOR RENOVATION WORKS
AND WHEN REDUCED INSTALLATION
THICKNESSES ARE AVAILABLE**



R883-1

PRODUCT CODE	SIZE		
R883Y101	T150 - h28	11,52	-



Insulating panel in expanded polystyrene. Joint combined with a thermoconductor profile constituted by an aluminum foil 0,3 mm thickness.

It allows the passage of the pipes in both directions, and if necessary at 45° (by removing a perform part of the sheet).

Panel dimension: 1200 x 600 mm.

28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

① **INFO**

THERMAL RESISTANCE (EN1264-3)
R883Y101: 0,29 (m²K)/W

R884

PRODUCT CODE	SIZE		
R884Y101	h28	5,76	-



Insulating header panels for the passage of the service pipe lines and the support of the circuit bending.

Expanded polystyrene plates.

Plate dimensions: 600 x 300 mm.

28 mm thickness with grooves on the four sides for coupling with the adjacent panels.

① **INFO**

THERMAL RESISTANCE (EN1264-3)
R884Y101: 0,29 (m²K)/W

K805P

PRODUCT CODE	SIZE		
K805PY003	600 x 300 x 1 mm	3,60	-
K805PY004	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet for load distribution in radiant dry systems.

K805P-1

PRODUCT CODE	SIZE		
K805PY023	600 x 300 x 1 mm	3,60	-
K805PY024	600 x 600 x 1 mm	3,60	-



Galvanized steel sheet with adhesive side, for load distribution in radiant dry systems.



The radiant world in your hands.



A complete catalogue, continuous consulting, **constant excellence.**

We design and manufacture all the components for the most efficient radiant system, always: from renovations to new constructions, from small to large buildings. **Radiant floors, walls and ceilings, heat pumps, collectors, temperature control and air handling systems:** our catalogue offers the most advanced solutions, while our consulting, training and service make us a partner capable of responding to every need.



FIND OUT
ABOUT
GIACOMINI
RADIANT
SYSTEMS.

➤ Plastic Pipes and components

R996T

PRODUCT CODE	SIZE	☐	☒
R996TY227	16 x 2	100	-
R996TY219	16 x 2	240	-
R996TY264	16 x 2	600	-
R996TY054	17 x 2	100	-
R996TY033	17 x 2	240	-
R996TY052	17 x 2	600	-
R996TY249	18 x 2	100	-
R996TY220	18 x 2	240	-
R996TY250	18 x 2	500	-
R996TY221	20 x 2	100	-
R996TY222	20 x 2	240	-
R996TY253	20 x 2	400	-
R996TY068	25 x 2,3	320	-

Giacotherm PEX-b pipe with anti-oxygen barrier, for heating/cooling systems. Application class: 4, 5 (not suitable for domestic water).



R978

PRODUCT CODE	SIZE	☐	☒
R978Y172	12 x 1,5	240	-
R978Y175	12 x 1,5	600	-
R978Y223	16 x 2	100	-
R978Y226	16 x 2	240	-
R978Y227	16 x 2	600	-
R978Y233	17 x 2	100	-
R978Y235	17 x 2	240	-
R978Y237	17 x 2	600	-
R978Y255	20 x 2	240	-
R978Y256	20 x 2	400	-

PE-RT pipe with anti-oxygen barrier, for heating/cooling systems. Application class: 4 (not suitable for domestic water).



R865

PRODUCT CODE	SIZE	☐	☒
R865Y001	-	1	-

Universal unroller support for plastic pipes.



R983

PRODUCT CODE	SIZE	☐	☒
R983Y001	Length 47 mm	100	1.000
R983Y003	Length 31 mm	100	1.000
R983Y500	Length 44 mm; for R863Y500 gun	300	-

Fixing clip for radiant floor systems pipes.

① INFO

R983Y500: pipe fixing clip for R863Y500 gun. Max. pipe \varnothing = 20 mm.



R863

PRODUCT CODE	SIZE	☐	☒
R863Y500	For R983Y500	1	-

Clip tacker for R983Y500.



K809

PRODUCT CODE	SIZE	☐	☒
K809Y001	50 x 26 mm	1	100
K809Y500	75 x 26 mm	1	100

Fixing clips for dry radiant system.



K389

PRODUCT CODE	SIZE	☐	☒
K389Y012	\varnothing 20 - Pitch 50 mm (2 m)	2	32
K389Y013	\varnothing 25 - Pitch 100 mm (2 m)	2	32

Pipe fixing track in bars, for use with radiant floor systems.



K389W

PRODUCT CODE	SIZE	☐	☒
K389WY001	\varnothing 12÷22	1	100

Pipe fixing track for pipes with \varnothing 12÷22 mm, in 1 meter bars.



K376

PRODUCT CODE	SIZE	☐	☒
K376Y001	10 l	1	-

Fluidifying additive for screed.



R179E

PRODUCT CODE	SIZE	☐	☒
R179EX021	3/4"E x (12 x 1,5)	25	250
R179EX024	3/4"E x (16 x 2)	25	250
R179EX025	3/4"E x (17 x 2)	25	250
R179EX026	3/4"E x (18 x 2)	25	250
R179EX027	3/4"E x (20 x 2)	25	250

Plastic pipe adaptor, Eurocone connection. For plumbing systems.



➤ Manifolds and mixing groups

R553FDB

LOW FLOW VERSION

PRODUCT CODE	SIZE	□	⊞
R553FDB142	G 1" x 3/4"E /2	1	-
R553FDB143	G 1" x 3/4"E /3	1	-
R553FDB144	G 1" x 3/4"E /4	1	-
R553FDB145	G 1" x 3/4"E /5	1	-
R553FDB146	G 1" x 3/4"E /6	1	-
R553FDB147	G 1" x 3/4"E /7	1	-
R553FDB148	G 1" x 3/4"E /8	1	-
R553FDB149	G 1" x 3/4"E /9	1	-
R553FDB150	G 1" x 3/4"E /10	1	-
R553FDB151	G 1" x 3/4"E /11	1	-
R553FDB152	G 1" x 3/4"E /12	1	-

For connection to the pipe use the base 3/4"Eurocone adaptors

Brass manifold for HVAC systems with dynamic flow balancing and independent setting for each individual circuit.

Outlets connections for copper, plastic or multilayer pipe adapters.

Center distance between the outlets 50 mm.

Temperature range 5÷95 °C.

Max. working pressure 10 bar.

Available in the Low Flow (LF) version.

Flow rate setting range for each individual circuit: 20÷160 l/h (LF).

Working differential pressure range: 20÷60 kPa (LF).

Flow meters: scale 0,4÷2,6 l/min (LF).

The kit includes:

- R553F delivery manifold with flow meters and lockshields for fluid shut-off function;
- R553F return manifold with dynamic flow balancing valves and manual handwheel, pre-arranged for thermo-electric command via R473/R473M actuators;
- R588Z metal brackets;
- R558Y001 key for lockshields shut-off;
- R73PY010 key for presetting.

NOTES

Optional

- R500-2: flush-mounting metal cabinet, with adjustable depth.
- R473, R473M: normally closed thermo-electric actuators equipped with R453Y002 plastic ring nut.
- R178E, R179E: 3/4"E adaptors.

Spare parts

- P12ADB001: Low Flow bonnet with dynamic balancing (red internal membrane).
- P78MY002: flow meter with scale 0,4÷2,6 l/min.
- R453Y002: plastic ring nut for thermo-electric actuators installation.
- R588ZY001: metal bracket with supports.
- R73PY010: regulation key for presetting.

INFO

Manifolds with dynamic flow balancing are equipped with a data-tag with the "DB series" identification, the flow and Δp characteristics.



R553F

EUROCONE CONNECTION

PRODUCT CODE	SIZE	□	⊞
R553FZY042	1" x 3/4"E /2	1	-
R553FZY043	1" x 3/4"E /3	1	-
R553FZY044	1" x 3/4"E /4	1	-
R553FZY045	1" x 3/4"E /5	1	-
R553FZY046	1" x 3/4"E /6	1	-
R553FZY047	1" x 3/4"E /7	1	-
R553FZY048	1" x 3/4"E /8	1	-
R553FZY049	1" x 3/4"E /9	1	-
R553FZY050	1" x 3/4"E /10	1	-
R553FZY051	1" x 3/4"E /11	1	-
R553FZY052	1" x 3/4"E /12	1	-

For connection to the pipe use the base 3/4"Eurocone adaptors

Preassembled manifold for HVAC systems. Composed of:

- 1 delivery manifold with lockshields and flow meters (scale 0,5-5 l/min).
- 1 return manifold with shut-off valves with manual handwheels.
- R588Z metal brackets for installation in R500-2 reduced cabinets.
- Labels to identify circuits.

Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base or Eurocone adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

INFO

Use key R558 (included) or R558N for the balancing.



R553K

PRODUCT CODE	SIZE	□	⊞
R553KY062	1" x 3/4"E /2	1	-
R553KY063	1" x 3/4"E /3	1	-
R553KY064	1" x 3/4"E /4	1	-
R553KY065	1" x 3/4"E /5	1	-
R553KY066	1" x 3/4"E /6	1	-
R553KY067	1" x 3/4"E /7	1	-
R553KY068	1" x 3/4"E /8	1	-
R553KY069	1" x 3/4"E /9	1	-
R553KY070	1" x 3/4"E /10	1	-
R553KY071	1" x 3/4"E /11	1	-
R553KY072	1" x 3/4"E /12	1	-

For connection to the pipe use the base 3/4"Eurocone adaptors

Manifold kit: R553M + R553V + R588L.

It can be used in combination with R557K, R557R-1, R559N-1 mixing groups.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar



R559N-1

PRODUCT CODE	SIZE		
R559NY043	G 1" /180 mm for circulat.	1	-

INFO

The unit can be mounted with:

- Delivery and return manifolds
- Circulator
- K281X012 actuator for mixing valve
- Components for thermoregulation
- R553AY002 or R553AY003, 1" high temperature kit



Mixing unit for HVAC systems, without circulator.

Composed of:

3-way mixing valve with M30x1,5 mm connection.

- Primary and secondary lockshields for flow regulation.
- Housing for delivery temperature probe.
- Metal spacer to insert the circulator, centre distance 180 mm.
- Ball valves for circulator installation.
- Manual air vent valves.
- Drain cocks.
- Thermometers.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

R557R-1

PRODUCT CODE	SIZE		
R557RY042	G 1" /Circulator 7 mH2O	1	-
R557RY043	G 1" /180 mm for circulat.	1	-

R557RY042: with circulator 25/7.

R557RY043: with metal spacer centre distance 180 mm (without circulator).

INFO

- 1 Fluid inlet from boiler room (1")
- 2 Fluid return to boiler room (1")
- 3 Three-way valve with R462L thermostatic head
- 4 Primary lockshield
- 5 Secondary lockshield
- 6 Housing for thermostatic head probe
- 7 Housing for safety thermostat probe
- 8 Shut-off valve for circulator
- 9 Manual air vent valve
- 10 Circulator
- 11 Drain cock
- 12 Thermometers
- 13 Heating system return (1")
- 14 Heating system delivery (1")
- 15 End plugs for manifolds (1")

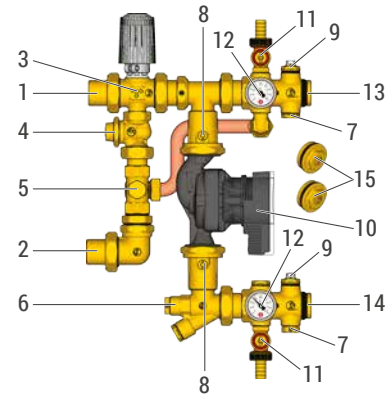
R557RY042



R557RY043

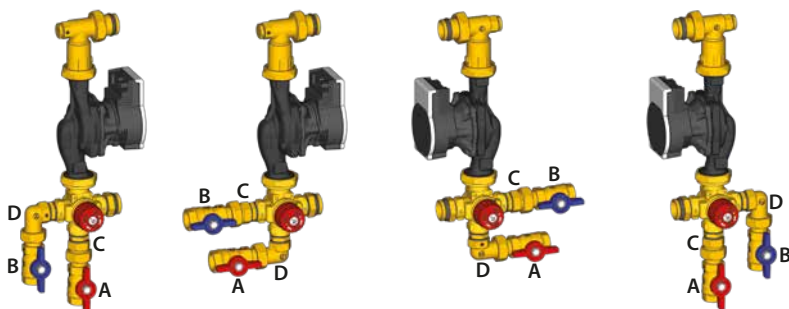


Units with thermostatic fixed point regulation, for HVAC systems.



PRODUCT CODE	SIZE		
R557RY045	G 3/4" x G 1" /Circ. 7mH2O	1	-

WARNING. To obtain the illustrated installation positions, you have to mount the ball valves red (A) and blue (B) handle and the straight (C) and angle (D) fitting, at the desired positions, using the fitting with self-sealing pre-mounted on the thermostatic mixing valve unit.

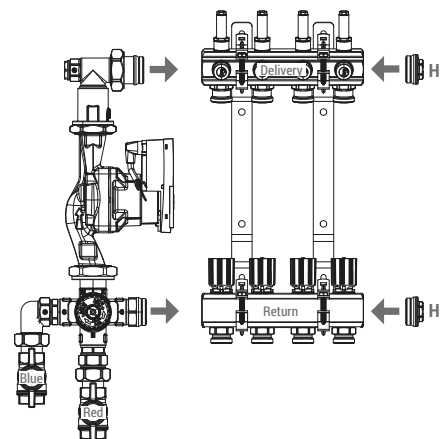


R557RY045



Unit with thermostatic fixed point regulation.

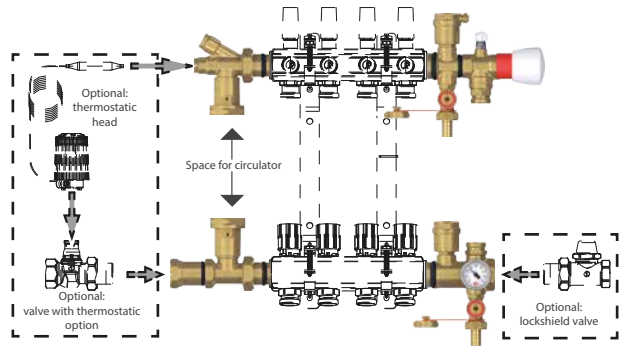
To be completed with R553FK062 → R553FK072 manifolds.



R557K Kits for preassembled manifolds.

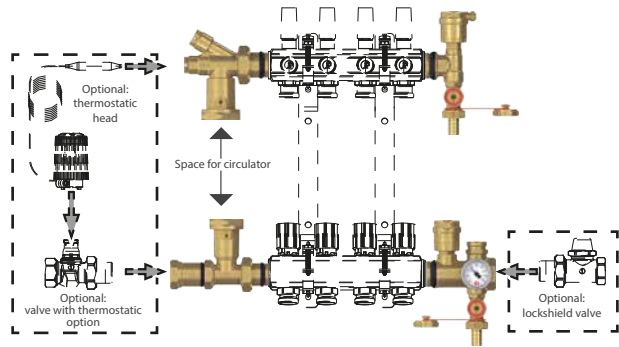
PRODUCT CODE	SIZE		
R557KY001	-	1	

Tail pieces and ball valves for circulator connection + automatic air vent valves + drain cocks + thermometer + differential by-pass valve.



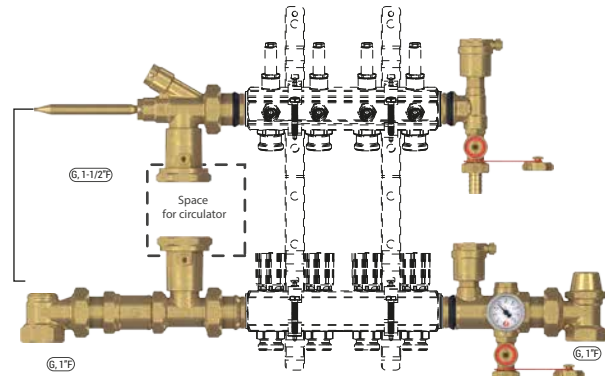
PRODUCT CODE	SIZE		
R557KY002	-	1	

Tail pieces and ball valves for circulator connection + automatic air vent valves + drain cocks + thermometer.



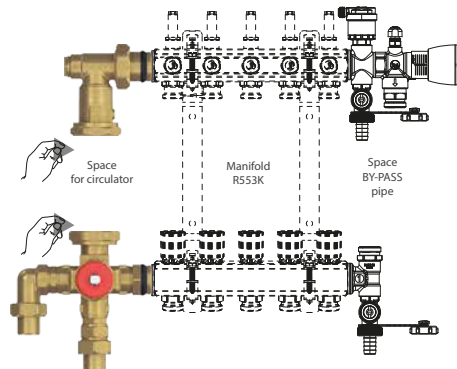
PRODUCT CODE	SIZE		
R557KY003	-	1	

Tail pieces and ball valves for circulator connection + automatic air vent valves + drain cocks + thermometer + R401TG + R14TG + R462L.



PRODUCT CODE	SIZE		
R557KY005	-	1	

Unit with thermostatic fixed point regulation and end by-pass kit for R553K manifolds.



R557

PRODUCT CODE	SIZE		
R557Y002	1" x 18 /2	1	-
R557Y003	1" x 18 /3	1	-
R557Y004	1" x 18 /4	1	-
R557Y005	1" x 18 /5	1	-
R557Y006	1" x 18 /6	1	-
R557Y007	1" x 18 /7	1	-
R557Y008	1" x 18 /8	1	-
R557Y009	1" x 18 /9	1	-
R557Y010	1" x 18 /10	1	-
R557Y011	1" x 18 /11	1	-
R557Y012	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Preassembled manifold with thermostatic fixed point regulation for HVAC systems. Mixing obtained through R462L thermostatic head. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

To be ordered separately:

- R401TG or R402TG valve with thermostatic option
- R14TG or R15TG lockshield

The kit does not include:

- circulator and K373 safety thermostat

① INFO

Use key R558 (included) or R558N for the balancing.

Recommended circulator centre distance: 130 mm.

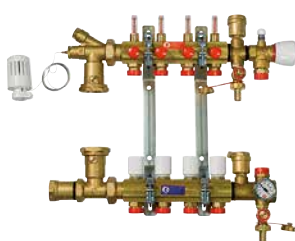
From 2 to 7 outlets = R557Y051 cabinet.

From 8 to 12 outlets = R557Y052 cabinet.

R557F

PRODUCT CODE	SIZE		
R557FY002	1" x 18 /2	1	-
R557FY003	1" x 18 /3	1	-
R557FY004	1" x 18 /4	1	-
R557FY005	1" x 18 /5	1	-
R557FY006	1" x 18 /6	1	-
R557FY007	1" x 18 /7	1	-
R557FY008	1" x 18 /8	1	-
R557FY009	1" x 18 /9	1	-
R557FY010	1" x 18 /10	1	-
R557FY011	1" x 18 /11	1	-
R557FY012	1" x 18 /12	1	-

For connection to the pipe use the base 18 R178, R179, R179AM adaptors



Preassembled manifold with thermostatic fixed point regulation for HVAC systems. With flow meters (scale 0,5-5 l/min). Mixing obtained through R462L thermostatic head. Optionally is possible to replace the handwheels with R478, R478M, R473, R473M thermo-electric actuators.

Outlets with base adaptor connections.

Temperature range: 5÷110 °C

Max. working pressure: 10 bar

To be ordered separately:

- R401TG or R402TG valve with thermostatic option
- R14TG or R15TG lockshield

The kit does not include:

- circulator and K373 safety thermostat

① INFO

Use key R558 (included) or R558N for the balancing.

Recommended circulator centre distance: 130 mm.

From 2 to 7 outlets = R557Y051 cabinet.

From 8 to 12 outlets = R557Y052 cabinet.

Thermo-electric Actuators

R473

PRODUCT CODE	SIZE	□	⊞
R473X221	230 V	1	25
R473X222	24 V	1	25

Thermo-electric actuator, normally closed. Cable length 1 m. With new high efficiency thermo-electric sensor. Can be used to replace the manual handwheels on manifolds.



R473M

PRODUCT CODE	SIZE	□	⊞
R473MX221	230 V	1	25
R473MX222	24 V	1	25

Thermo-electric actuator, normally closed, with microswitch. Cable length 1 m. With new high efficiency thermo-electric sensor. Can be used to replace the manual handwheels on manifolds.



R478

PRODUCT CODE	SIZE	□	⊞
R478X221	230 V	1	25
R478X222	24 V	1	25
R478VX221	230 V - with varistor	1	25

Thermo-electric actuator, normally open. Cable length 1,5 m. Can be used to replace the manual handwheels on manifolds.



R478M

PRODUCT CODE	SIZE	□	⊞
R478MX221	230 V	1	25
R478MX222	24 V	1	25
R478VX231	230 V - with varistor	1	25

Thermo-electric actuator, normally open, with microswitch. Cable length 1,5 m. Can be used to replace the manual handwheels on manifolds.



R462L

PRODUCT CODE	SIZE	□	⊞
R462LX001	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



R462L1

PRODUCT CODE	SIZE	□	⊞
R462LX011	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



R462L2

PRODUCT CODE	SIZE	□	⊞
R462LX021	2 m	1	25

Thermostatic head with remote liquid sensor. Temperature range: 20÷70°C.



R465

PRODUCT CODE	SIZE	□	⊞
R465Y001	-	10	100

Insert for fixing the R462L sensor at the surface of manifolds or pipes.



R453A

PRODUCT CODE	SIZE	□	⊞
R453Y002	-	1	50

Ring nut for R478, R478M, R473, R473M thermo-electric actuators.



R453F

PRODUCT CODE	SIZE	□	⊞
R453FY002	M30 x 1,5 mm	1	-

Ring nut for R478, R478M, R473, R473M thermo-electric actuators on M30 x 1,5 mm connections.



Thermoregulation - Klimabus

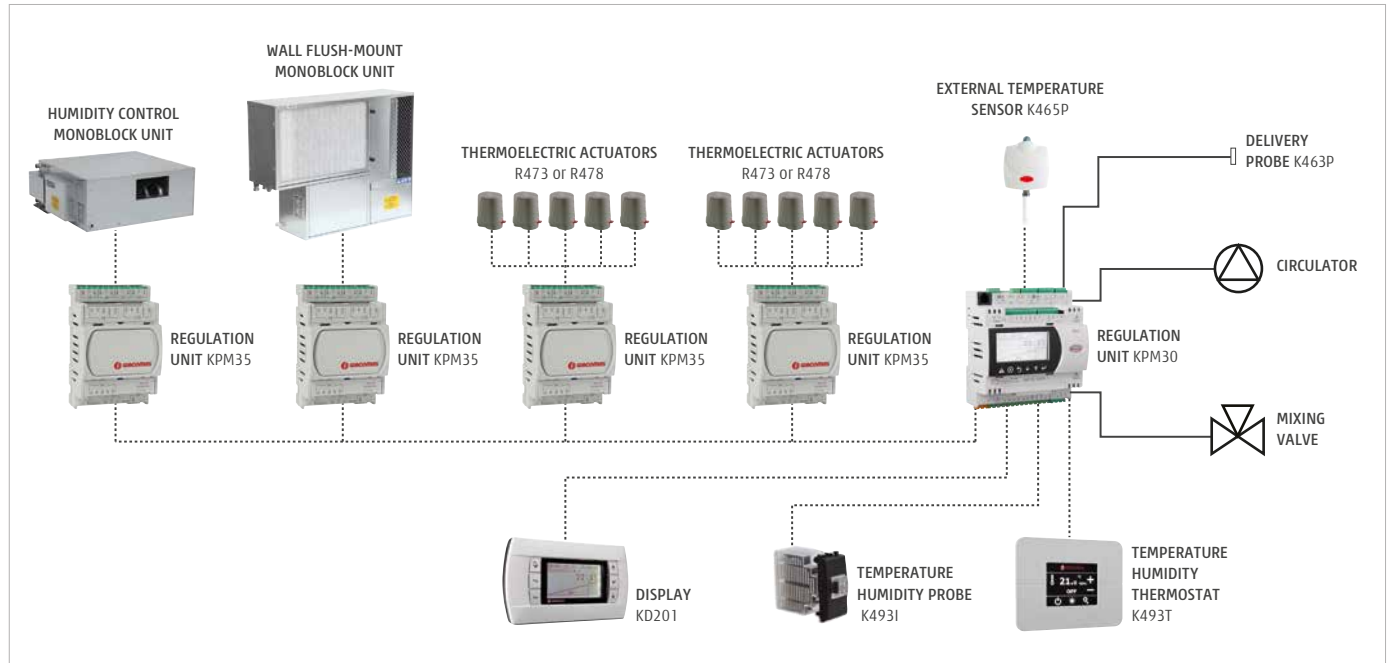
KLIMABUS - BUS thermoregulation system

New bus system for control of radiant heating and cooling systems.

Modular system to control both simple heating and cooling mixing groups and more complex residential and commercial systems, with air treatment systems for dehumidification, cold integration, air recirculation and controlled mechanical ventilation.

Possible connection with main control protocols available on the market. KLIMABUS can be used with domotic communication standards, such as Modbus and KNX Applications easy to configure through guided menus for easy installation and commissioning.

For more details on how to use the system, please contact our Technical Assistance service.



K493T

PRODUCT CODE	SIZE		
K493TY002	12 V	1	-

Temperature/humidity thermostat with backlight touch-screen display.

Possibility to command N.1 fan-coil with 0-10 V signal or N.3 3-speed fan-coils in combination with KF201 module.

To be used in combination with the KPM30 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. EC certification.



KPM30

PRODUCT CODE	SIZE		
KPM30Y001	24 V	1	-
KPM30Y002	24 V	1	-
KPM30Y003	24 V	1	-
KPM30Y004	24 V	1	-
KPM30Y005	24 V	1	-

Regulation unit for heating/cooling systems. With display panel for system monitoring, configuration and management. Dimension 6 DIN modules. Possibility of controlling the mixing valve, circulator and voltage-free contact outputs. Optional connection with KD201 remote display. Possibility of connection (via Bus) with KPM35 expansion board and K492B/K495B/L ambient probes. EC certification.



K492B

PRODUCT CODE	SIZE		
K492BY002	230 V	1	-

Thermostat with backlight display and local interface for controlling ambient temperature and humidity.

To be used in combination with the KPM30 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Flush-mounting installation in round domestic box. EC certification.



KPM35

PRODUCT CODE	SIZE		
KPM35Y001	24 V	1	-

Input/output expansion board for KPM30 regulation unit.

Voltage-free contact outputs with possibility of commanding the electrical actuators or air treatment systems for dehumidification or integration. Dimension 4 DIN modules. EC certification.



KPM36

PRODUCT CODE	SIZE		
KPM36Y001	ModBus board	1	-
KPM36Y002	Konnex board	1	-
KPM36Y003	Ethernet board	1	-

Boards for KPM30 regulation units.

INFO

Configuration software for Konnex version available on giacomini.com



K465P

PRODUCT CODE	SIZE		
K465PY001	-	1	-

External temperature probe (passive type). Measuring range -50/105 °C, in box with IP68 protection degree. To be used in combination with the KPM30 regulation unit.



K497

PRODUCT CODE	SIZE		
K497Y001	For KPM30	1	-
K497Y002	For KPM35	1	-

Kit of removable terminals for KPM30/KPM35 regulation unit.



K498M

PRODUCT CODE	SIZE		
K498MY002	-	1	-

Signal converter from PWM to 0-10 V, for commanding a second mixing valve from a KPM30 regulation unit. Installation on DIN rail. EC certification.



KD201

PRODUCT CODE	SIZE		
KD201Y001	-	1	-

LCD display with keyboard for system monitoring, configuration and management. To be used in combination with the KPM30 regulation unit. Direct power supply from the regulation unit. Surface mounting. EC certification.



KF201

PRODUCT CODE	SIZE		
KF201Y001	12 V Bus	1	1

Fan-coil control module to be used with K483T thermometers of the KLIMAbus thermoregulation.



K493I

PRODUCT CODE	SIZE		
K493IY012	12 V	1	-

Temperature/humidity probe. To be used in combination with the KPM30 regulation unit, connected via Bus. Modbus RTU slave communication on RS485. Flush-mounting. EC certification.



K373

PRODUCT CODE	SIZE		
K373Y011	230 V	1	10
K373Y012	230 V - with R227-1	1	10

Safety thermostat with immersion probe and housing.



K463P

PRODUCT CODE	SIZE		
K463PY001	-	1	-

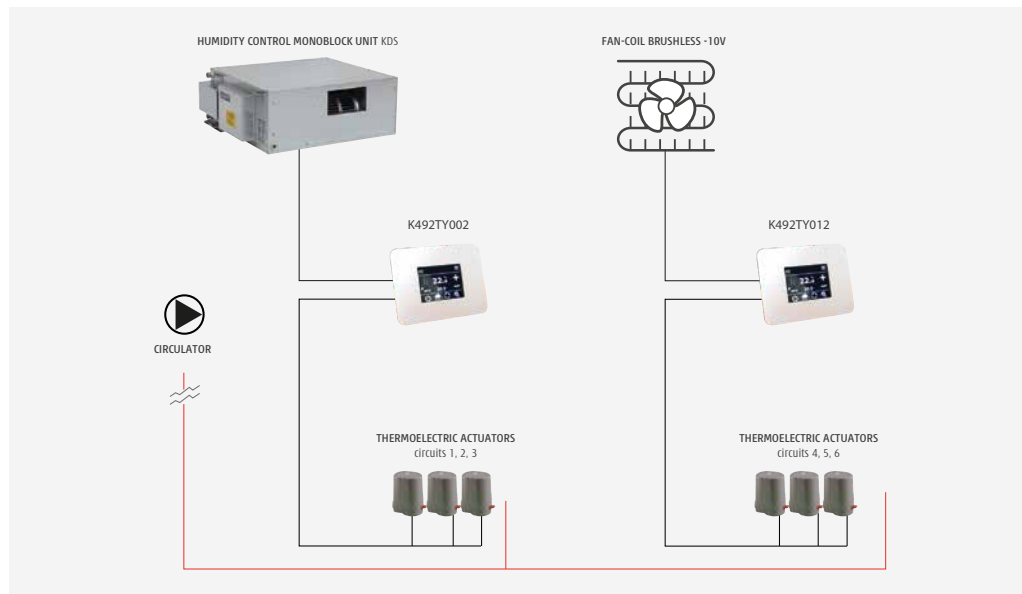
Delivery temperature probe (passive type). Measuring range -50/105 °C. Cable length 6 m. Bulb diameter 6 mm. To be used in combination with the KPM30 regulation unit or the KPM10 controller.



Thermoregulation - Stand-alone

STAND-ALONE THERMOREGULATION SYSTEM

Chronothermostat and thermostat family for exposed and concealed installation and control of thermo-electric actuators or zone valves in heating and cooling radiant systems. Combined to radiant panels, they can also control integration terminals such as dehumidifiers. 230 Vac power and battery-powered with AA and AAA alkaline batteries. Main characteristics: - Modern and technologic aesthetics. - Blue led backlit graphic display (for K490I and K492). - Touchscreen (K492 only). - For concealed chronothermostats, compatible with plates of most civil electric lines (among which Bticino Axolute). - Possible centralized local (with a specific control module) or remote (with GSM module) control, using mobile phone text messages or downloading the dedicated APP for smartphones and tablets (versions for Android and iOS).



K492T

PRODUCT CODE	SIZE		
K492TY002	230 V	1	-
K492TY012	230 V	1	-

Wi-Fi weekly chronothermohumidistat with touch-screen.

Horizontal installation on 503 3-module civil box. White color.

According to the version, the device can control thermo-electric actuators, dehumidifiers and fan coils.

Power supply 230 Vac.

Weekly/daily heating and cooling programming and possible manual control. Integrated relative humidity sensor.

K-Domo dedicated App for simplified control also from remote.

INFO

K492TY002: control of thermo-electric actuators and dehumidifiers.

K492TY012: control of thermo-electric actuators and fan coils 0÷10 V.



PM100R

PRODUCT CODE	SIZE		
PM100Y011	230 V	1	-

Control unit with 8 input (thermostats) and 8 output (zone valve, actuators) with 4 minutes delayed intervention of the circulator.



K494

PRODUCT CODE	SIZE		
K494AY001	2 batteries AAA 1,5 V	1	-

Thermostat, surface mounting installation. Display without backlighting.

Operating mode in heating and cooling, with two attenuation levels. Powered by N.2 AAA 1,5 V batteries. Wall installation or in round box (diameter 60 mm). Temperature adjustment range: 2÷40 °C. EC certification.



K492

PRODUCT CODE	SIZE		
K492DY012	230 V	1	-

Weekly chronothermostat, surface mounting installation.

Powered from the mains (230 Vac, 50 Hz). Equipped with 2 output relays (voltage-free exchange contact, 5(3)A, 250 Vac) for commanding heating/cooling systems (thermo-electric actuators) and integrated management of dehumidification (air treatment units). Possibility to connect auxiliary supply temperature probe (K463PY001) for the management of alarms and system block (Dew Point control, max. temperature in heating mode, minimum temperature in cooling mode). Temperature adjustment range: 2÷40 °C. EC certification.



➤ Overview of radiant ceiling systems

GKC ULTRA-P SYSTEM

GKC ULTRA-P is a radiant ceiling system consisting of pre-assembled panels with plasterboard finish. Suitable for heating and cooling of residential applications and finds its natural extension in hotel rooms, commercial environments and in all those contexts where a false ceiling finish is required. The panels of the GKC ULTRA-P range are characterized by their high performance and excellent quality cost / performance ratio. The panel is made up of a graphite plasterboard sheet and an insulating layer in EPS, while activation is performed through the use of an 8x1 mm PEX pipe for the construction of the circuits plumbers.

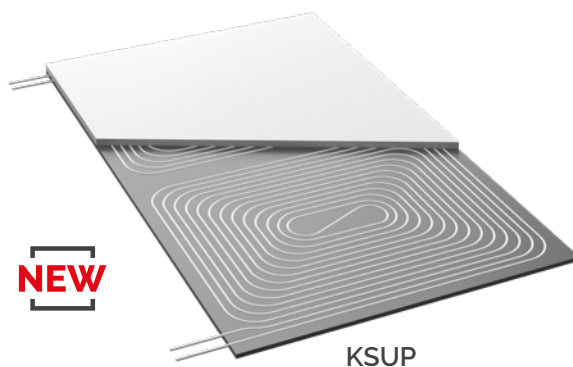
PLASTERBOARD RADIANT PANELS

WHY CHOOSE IT?

- SUITABLE FOR RESIDENTIAL AND TERTIARY APPLICATIONS
- WALLS FREE OF DISTRIBUTION MANIFOLDS
- HIGH THERMAL PERFORMANCES
- HIGH COOLING PERFORMANCE
- EXCELLENT COST-PERFORMANCE RATIO



GKC ULTRA-P



Technical features:

- Plasterboard panel coupled to one layer of expanded polystyrene insulation
- 1200x2000, 600x2000 and 600x1200 modularity
- Activation composed of coil in PEX 8x1 mm with 3 cm pitch
- Graphite plasterboard sheet



For more details see catalogue
Radiant ceiling systems

ER0004

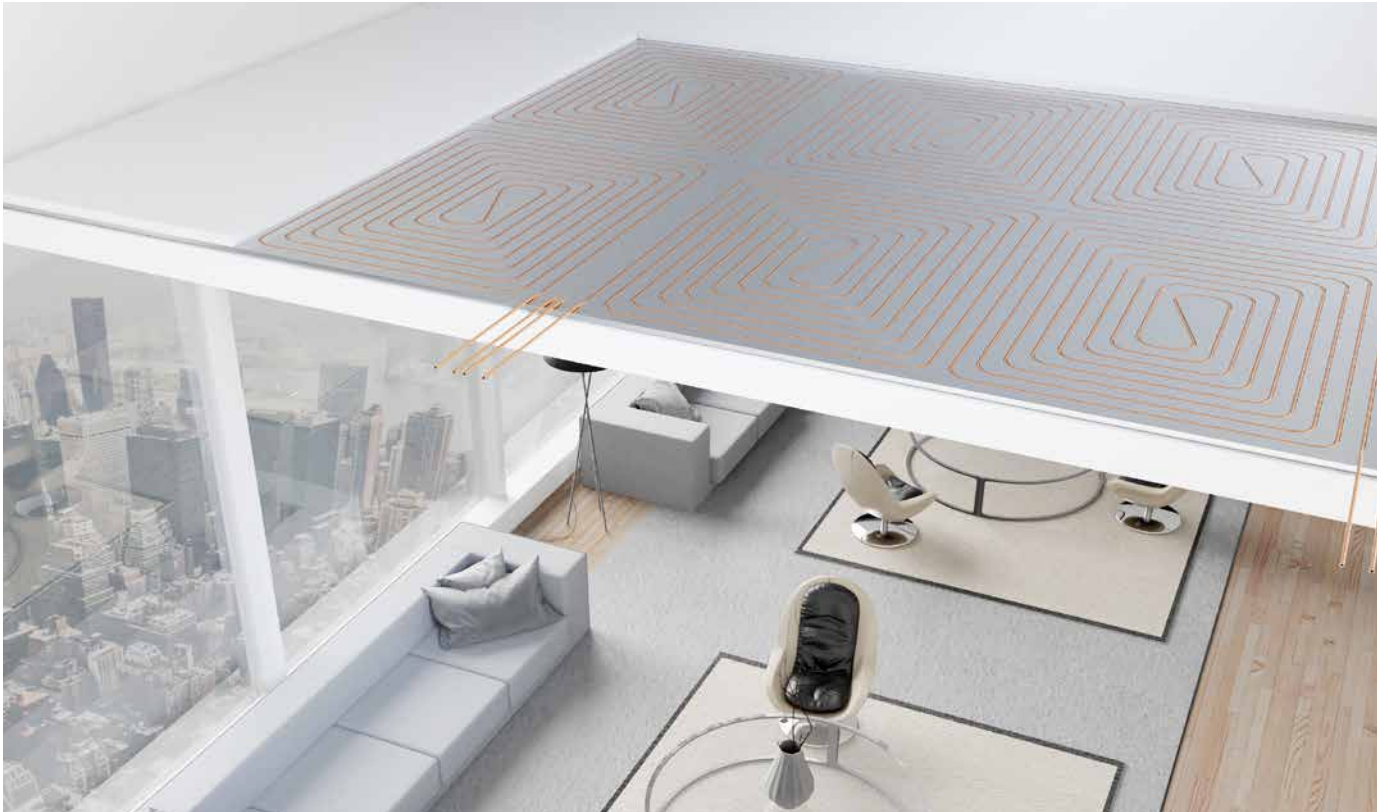
GKC CLASSIC AND SUPER CLASSIC SYSTEM

GKC CLASSIC AND SUPER CLASSIC is a radiant ceiling system consisting of pre-assembled panels with plasterboard finish. It is suitable for heating and cooling residential applications and finds its natural extension in rooms in hotels, commercial environments and in all those contexts where a civil type ceiling finish is required. The panels of the GKC Classic and Super Classic ranges differ in their thermal performance. Depending on the load requirements heating and refrigerator, you can choose the most appropriate model, optimizing the performance of the system. Both the versions are available in the basic plasterboard version, with sound absorption, water repellent for kitchens and bathrooms, to fire and with inactive areas for the installation of lighting bodies or system detection components. The activation of the panel is performed by using your 8x1 mm PEX for the construction of hydraulic circuits.

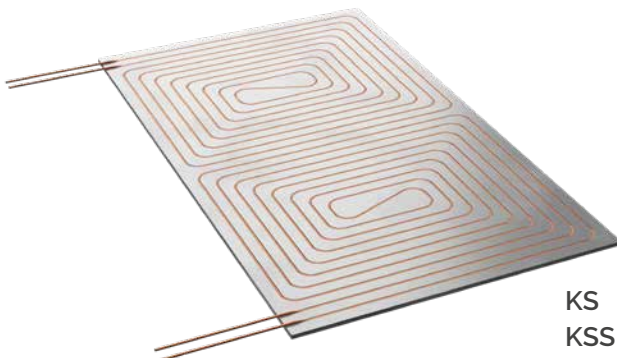
PLASTERBOARD RADIANT PANELS

WHY CHOOSE IT?

- SUITABLE FOR RESIDENTIAL OR SIMILAR APPLICATIONS
- POSSIBILITY OF INTEGRATING EQUIPMENT IN THE FALSE CEILING
- WALLS FREE OF DISTRIBUTION MANIFOLDS
- AVAILABLE FOR SOUND ABSORPTION
- AVAILABLE WITH FIRE RESISTANCE
- AVAILABLE IN WATER-REPELLENT VERSION
- TWO LEVELS OF PERFORMANCE FOR THE NEED FOR COMFORT



GKC CLASSIC AND SUPER CLASSIC



KS
KSS

Technical features:

- Plasterboard panel coupled to one layer of expanded polystyrene insulation
- 1200x2000, 600x2000 modularity and 600x1200 mm
- Activation composed of coil in PEX 8x1 mm with 50 mm pitch (Classic) or with reduced pitch 30 mm (Super Classic).
- Available in different versions: basic plasterboard, water repellent, with predisposed light points, acoustic, fire resistant.

GK-V ULTRA is a metallic radiant sail system suitable for heating and cooling applications of large / medium-sized environments in the tertiary sector. This system makes it possible to locate the air conditioning where necessary, without placing a closed false ceiling. The hanging system is such as to allow a perfect fit flatness of the false ceiling. The panels are available micro-perforated and with RAL9003 finish (it is possible to extend the colors to the entire RAL range on request).

WHY CHOOSE IT?

- ISLAND OPEN CEILING
- ESPECIALLY SUITABLE FOR ENVIRONMENTS MODERN OPEN SPACES
- EASY INTEGRATION OF ILLUMINATING BODIES IN THE STRUCTURE
- EXTREME SIMPLICITY IN ASSEMBLY
- FULLY INSPECTIONABLE WITHOUT DRAINING THE CIRCUIT
- PRE-COUPLED TNT FOR SOUND ABSORPTION



CUSTOMIZABLE SYSTEM IN FINISH AND INTERSPACING ON REQUEST

GK-V ULTRA

K135C

Technical features:

- Post galvanized steel sheet panel painted in RAL 9003 with applied fleece layer for better acoustic comfort
- Activation composed of thermal diffusers in aluminum and copper coils
- Hidden suspension structure
- Easy to install
- Fully inspectable ceiling
- High degree of system customization (color, finish, micro-perforation, dimensions)

THERMAL PERFORMANCE (REFERRED TO ACTIVE AREA):

- 124 W/m² according to EN 14240 at $\Delta T = 8$ K in cooling
- 150 W/m² according to EN 14037 at $\Delta T = 15$ K in heating

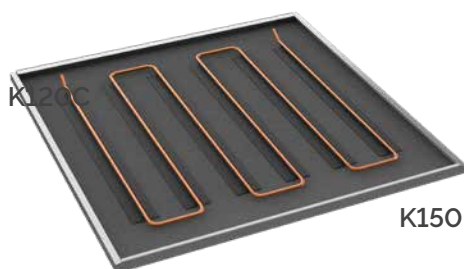
GK ULTRA is a metal ceiling system particularly suitable for space heating and cooling open space: offices, halls, commercial environments, airports, school buildings. It is characterized by modularity 1524x1524 mm and a cross-type bearing structure. The hanging system is such as to allow a perfect fit flatness and horizontality of the false ceiling. The junction of the structure takes place without the use of screws-bolts and consequence without the use of tools, ensuring safety and greater productivity in installation times. The coupling of the panels to the structure takes place by means of hinges and spring couplings for greater system solidity. The panels are micro-perforated and with RAL9010 finish available (colors can be extended to the entire RAL range on request). There lateral compensation is typically made of plasterboard.

WHY CHOOSE IT?

- ESPECIALLY SUITABLE FOR OPEN SPACE ENVIRONMENTS
- EASY INTEGRATION OF ILLUMINATING BODIES INTO STRUCTURE
- EXTREME SIMPLICITY IN ASSEMBLY
- SUPPORTING STRUCTURE CROSSED OR PARALLEL TYPE
- FULLY INSPECTIONABLE WITHOUT DRAINING THE CIRCUIT
- PRE-COUPLED TNT FOR SOUND ABSORPTION



CUSTOMIZABLE SYSTEM IN FINISH AND INTERSPACING ON REQUEST

GK ULTRA**Technical features:**

- Post galvanized steel sheet panel painted in RAL 9003 with applied fleece layer for better acoustic comfort
- Activation composed of thermal diffusers in aluminum and copper coils
- Hidden suspension structure
- Easy to install
- Fully inspectable ceiling
- High degree of system customization (color, finish, micro-perforation, dimensions)

THERMAL PERFORMANCE (REFERRED TO ACTIVE AREA):

- 108 W/m² according to EN 14240 at $\Delta T = 8$ K in cooling
- 134 W/m² according to EN 14037 at $\Delta T = 15$ K in heating

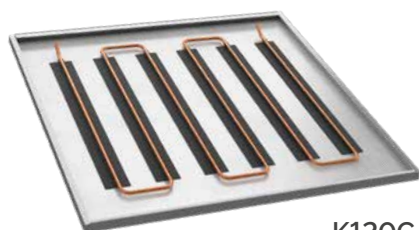
GK TOP is a metal ceiling system particularly suitable for both heating and cooling open space environments for both medium / small environments: offices, halls, commercial environments, airports, public buildings. It is characterized by the modularity 1200x1200 with crossed structure and 600x1200 mm with parallel structure, complete with head elements. The hanging system is such as to allow perfect flatness and horizontality of the false ceiling. The panels can be smooth or micro-perforated and with RAL9010 finish (it is possible to extend the colors to the entire RAL range on request). Lateral compensation is typically made of plasterboard.

WHY CHOOSE IT?

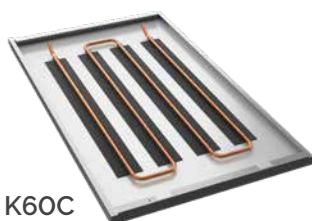
- SUITABLE FOR OPEN SPACE OR MEDIUM / SMALL ENVIRONMENTS
- EASY INTEGRATION OF ILLUMINATING BODIES INTO STRUCTURE
- SUPPORTING STRUCTURE CROSSED OR PARALLEL TYPE
- FULLY INSPECTIONABLE WITHOUT DRAINING THE CIRCUIT



CUSTOMIZABLE SYSTEM IN FINISH AND INTERSPACING ON REQUEST

GK TOP

K120C



K60C

Technical features:

- Post galvanized steel sheet panel painted in RAL 9010 smooth or micro-perforated
- Modularity 1200x1200 and 600x1200 mm
- Activation composed of thermal diffusers in aluminum and copper coils
- Cross and parallel suspension structure
- Ease of installation
- Fully inspectable ceiling
- Excellent degree of system customization (color, micro-perforation, dimensions, surface)

THERMAL PERFORMANCE (REFERRED TO ACTIVE AREA):

- 97 W/m² according to EN 14240 at $\Delta T = 8$ K in cooling
- 132 W/m² according to EN 14037 at $\Delta T = 15$ K in heating

GK CLASSIC is a metal radiant ceiling system suitable for heating and cooling applications of medium-sized environments in the tertiary sector. It is characterized by the modularity of 600x600 mm and 600x1200 mm and with multiple possibilities of supporting structures: inverted T base 24 or 15, with shutter, hidden type. The hanging system is such as to allow a perfect flatness of the false ceiling. Panels are available both smooth or micro-perforated and with RAL9003 finish (the colors can be extended to the entire RAL range on request). There lateral compensation is made both in plasterboard and with inactive cut metal panels.

WHY CHOOSE IT?

- SUITABLE FOR ANY KIND OF ENVIRONMENT
- CROSSED STRUCTURE WITH EXPOSED OR HIDDEN CARRIER
- QUICK INSTALLATION
- FULLY INSPECTIONABLE



CUSTOMIZABLE SYSTEM IN FINISH AND INTERSPACING ON REQUEST

GK CLASSIC

K12C



K6C

Technical features:

- Post galvanized steel sheet panel painted in RAL 9010 smooth or micro-perforated
- Modularity 600x1200 and 600x600 mm
- Activation composed of thermal diffusers in aluminum and copper coils
- Cross suspension structure with profile a Inverted or hidden T
- Good speed and ease of installation
- Fully inspectable ceiling
- Good degree of system customization (color, micro-perforation, surface)

THERMAL PERFORMANCE (REFERRED TO ACTIVE AREA):

- 97 W/m² according to EN 14240 at $\Delta T = 8$ K in cooling
- 132 W/m² according to EN 14037 at $\Delta T = 15$ K in heating