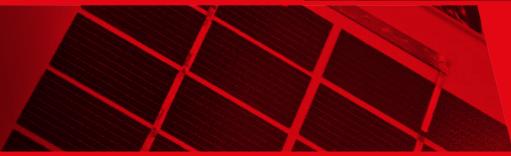
CATALOGUE 2019



UNDERFLOOR
HEATING AND
COOLING

CONTROL





SOLAR solutions







SERVICES

SPARE PARTS



AND A BUSINESS DIMENSION

ALONG WITH THE LARGEST COOPERATIVE

GROUP IN THE WORLD

MONDRAGON is a group formed of autonomous and independent cooperatives and businesses belonging to the areas of industry, distribution, finance and knowledge and education. Its cooperative model promotes individuals' participation and integration into business and its results. Members' prominence, cooperative work and inter-cooperative solidarity reflect the group's motto: 'Humanity at work'.

Since its creation, **MONDRAGON** has always directed its commitment towards business and social benefit. Wealth creation, client satisfaction, high-

quality employment, technological development, continuous improvement, support for education and respect towards the environment are key components in the development of its cooperative model.

Innovation as a source of creation for new projects is one of **MONDRAGON** group's 'strategic levers' for its growth and diversification. It has, amongst others, 15 of its own research and development centres, a university and 461 invention patent families.









TECHNOLOGICAL CAPACITY AND OWN MANUFACTURING

A COMBINATION WHICH ENSURES **ORKLI GROUP**'S **SUCCESS**

ORKLI Group is one of the main European manufacturers of components for electrical appliances, in addition to its notable design and development of innovative solutions for the Comfort sector. With over 40 years of experience, ORKLI Group is currently a global-reaching company with manufacturing plants in Spain, China and Brazil and one which exports over 80% of its production. It also has delegations across the whole of Europe and sales representatives working in countries across all five continents.

ORKLI Group's leadership in areas such as **thermoelectric safety**, its innovative nature and its clear commitment to R&D&I have resulted in the development of new components with unique solutions such as its **CERAMAT burners**: an

unmatched product which comes to the market to unquestionably improve combustion systems. It also excels in its design and technology contribution to components for underfloor heating installations and to products such as **OKSOL**: the only compact solar system on the market.

ORKLI Group enjoys the trust and recognition from the main companies in the sector and both its thermoelectric safety and warming and heating products are endorsed by the strictest quality, safety and occupational health certifications. Overall, a wide combination of elements which allow us to offer a comprehensive selection, with the aim of contributing solutions to the market and meeting clients' needs.



Thermoelectric safety



Water heating



Comfort solutions





GROUP

THE DEFINITIVE PROPOSAL

TO MEET EVERY POSSIBLE NEED IN THE COMFORT SECTOR

For over 40 years, the **ORKLI** brand has aimed to bring into the market a value proposal relating to comfort and people's well-being; our work over this time and the experience gathered have allowed us to design and develop efficient and profitable solutions which we have always placed at the disposal of sector professionals.

ORKLI Comfort solutions is concerned with quality, which we improve to maintain our clients' trust in products which, for many years, have accumulated certifications and approvals for a greater level of end user safety. We invest in professional skills but also in technology, in order to continue at the forefront of a highly competitive sector. Our principal concern, however, is service improvement.

Without forgetting other important aspects of the business process, moving ever closer to our clients, understanding their concerns and recognising their needs is the key which nowadays sets our company apart from the competition and which has training as one of its most important foundations.

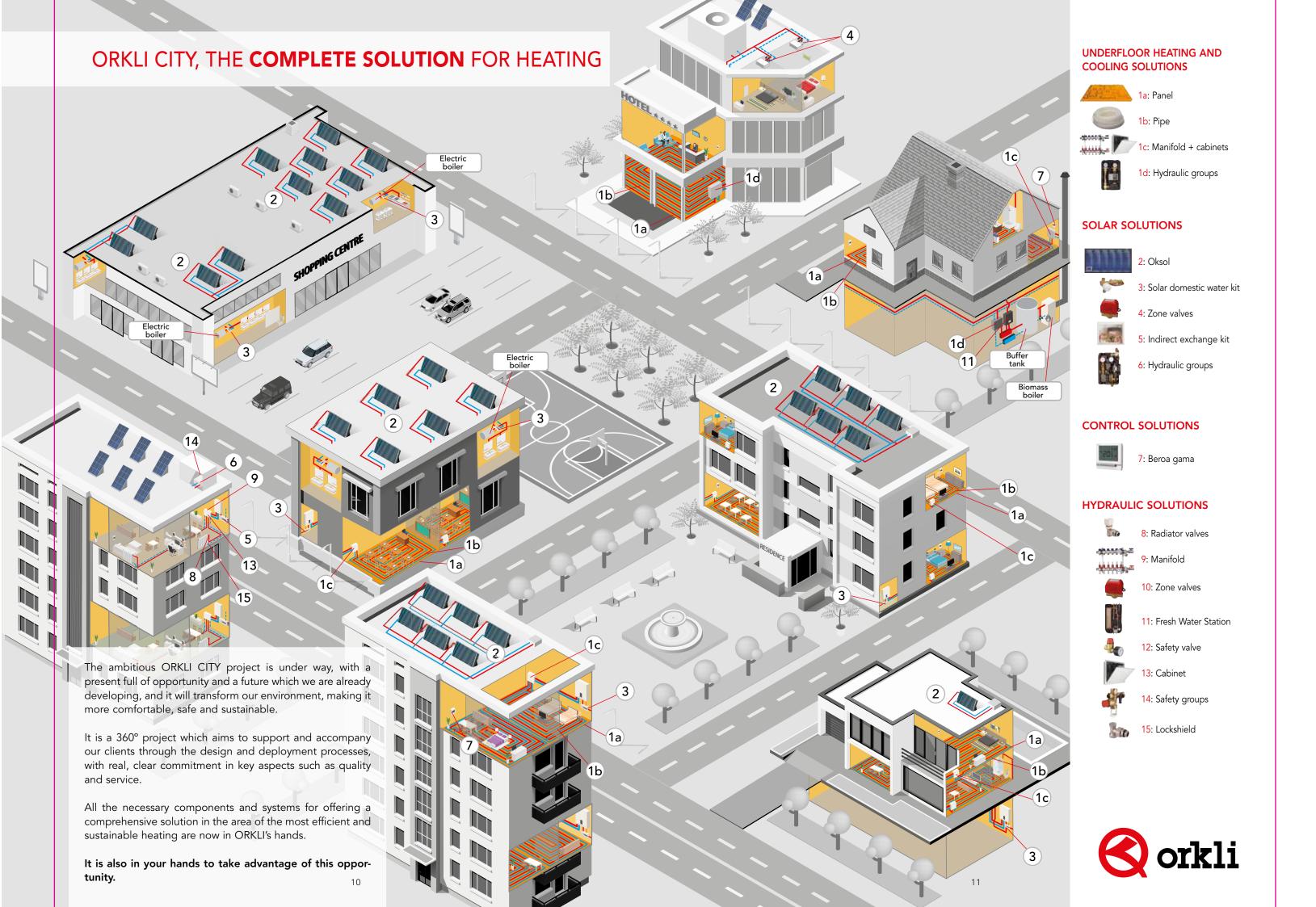
The result of this contact process, understanding the specific needs of each client, is ORKLI's new proposal, based on four areas in which the definitive solution for professionals is presented for: Underfloor heating and cooling, control, solar and hydraulics. In these areas, you will find the widest and most varied range of products and components, with which any heating project can be confidently approached.

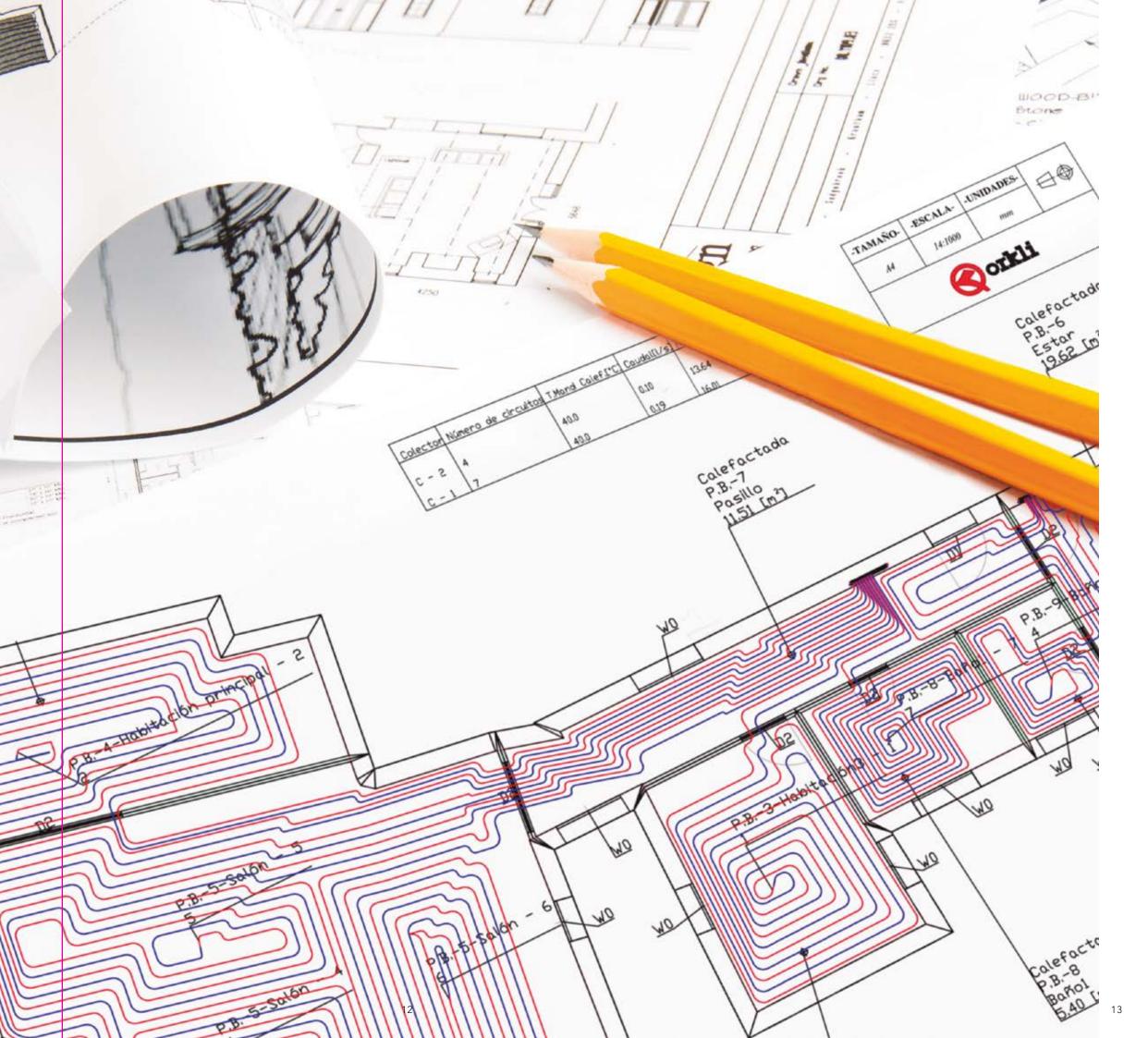














solutions

THE MOST EFFICIENT
AND SUSTAINABLE
HEATING SYSTEM.
THE MOST
APPROPRIATE
OPTION FOR
PEOPLE'S
WELL-BEING



GUARANTEE, SERVICE AND QUALITY

THE PERFECT FORMULA FOR

OUR CLIENTS' SUCCESS

AT ORKLI WE PLACE A WIDE RANGE OF SERVICES

AT OUR CLIENTS' DISPOSAL, SO AS TO RESPOND TO ALL THEIR NEEDS,

WITH THE **ORKLI GUARANTEE**



SAI

Installer

Assistance Service



GUARANTEE

15 years



€2.000.000

cover



APPLICATION

ORKLI Lurbero







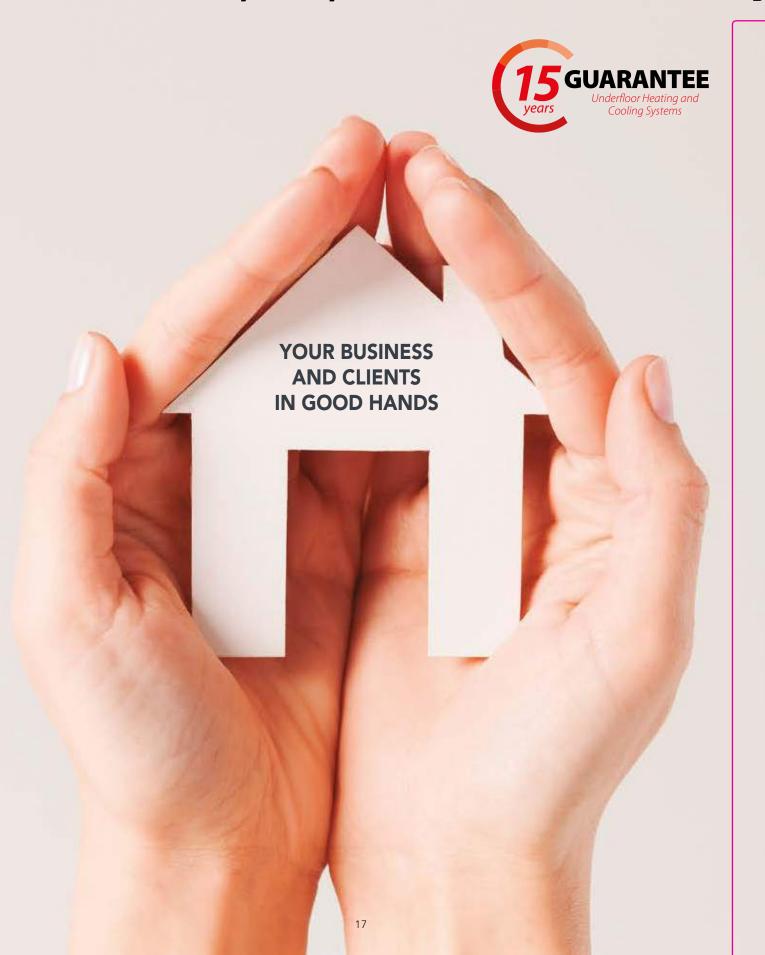








The greatest guarantee €2,000,000 cover



QUOTE GENERATOR

FOR UNDERFLOOR AND COOLING HEATING



EASY ACCESS

24 hours/365 days a year at www.orkli.com



INSTANT CALCULATION

An instant indicative **quote**



DETAILED INFORMATION

Break-down of components and **costs**





TRY IT NOW!





www.orkli.com

ORKLI SOLUTIONS FOR ALL TYPES OF BUILDINGS. FIND THE

MOST APPROPRIATE SYSTEM FOR EACH OF YOUR PROJECTS

With over 2,000 installations carried out and over 1,000,000 m² installed over the last 10 years, all of our knowledge has the clear aim of offering the best solution to our clients.

Not only products but also service and advice are part of the comprehensive solution offered by ORKLI.

MULTI-HOUSING



CASA BURÉS (BARCELONA). 800m² installed







ESTEPONA (MÁLAGA). 6,315m² (28 households)





MADRID. 15,284m² (130 households)



LASARTE - ORIA (GUIPÚZCOA). 14,500m²



Orkli participates in the **ENEGUR Project** led by the Usurbil Lanbide Eskola which received the first prize in Sustainable Education in Melbourne at #WFCP2018. Usurbil Lanbide Eskola is a public Vocational Training School with which Orkli actively collaborates on numerous projects, mainly renewable energies.

Orkli has participated in the project through its Underfloor heating and cooling solution, supplementing the project's energy-efficient proposal, which finally won the aforementioned prize.

The aim is for it to evolve into a green building that serves as a testing ground for testing new technologies. The Enegur project is based on the construction of a low thermal demand prefabricated module, built according to PASSIVHAUS (passive house) criteria and equipped with mechanical ventilation connected to a Canadian well. Heating and cooling system is based on solar thermal energy and aerothermal energy, and electricity thanks to the micro-grid that combines two photovoltaic installations (10 kWp) and a wind turbine (3 kWp).

SINGLE-FAMILY



CASTILLO DE VILLAVECCHIA (GIRONA). 400m²

RETIREMENT HOME

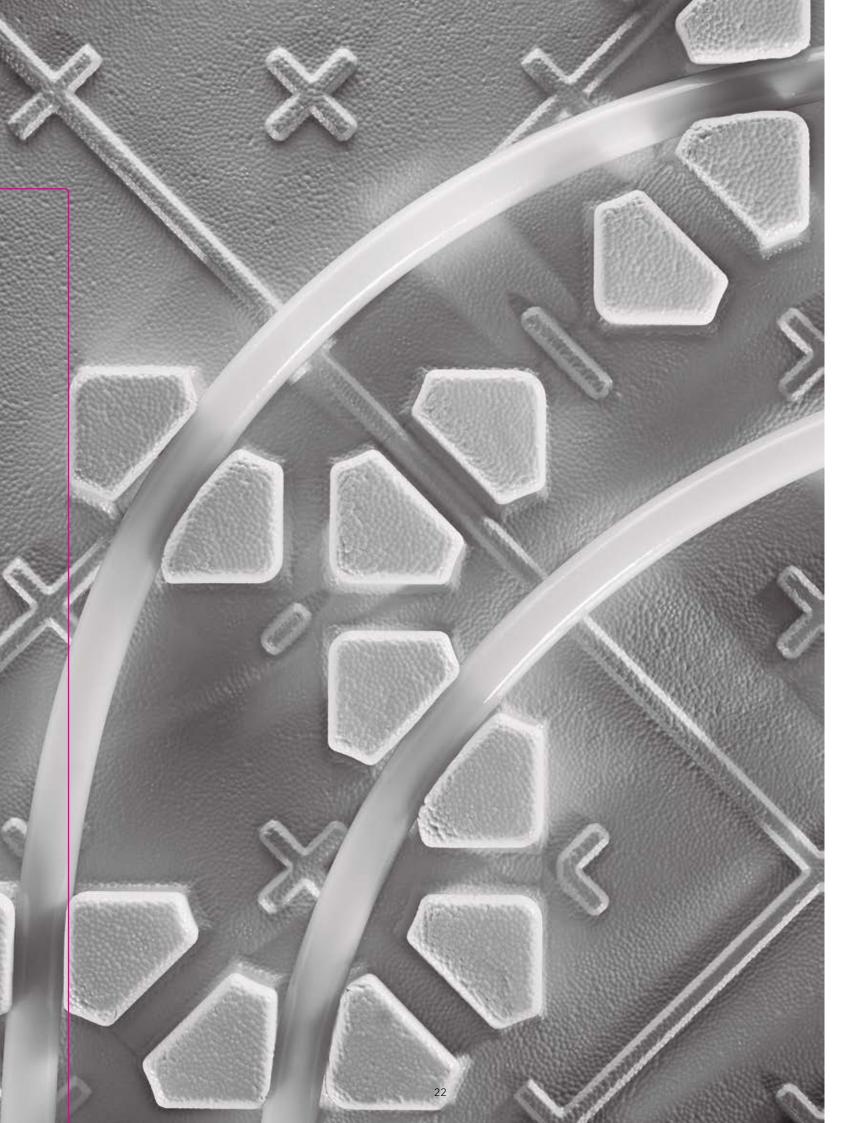


MUSEUMS



SCHOOLS





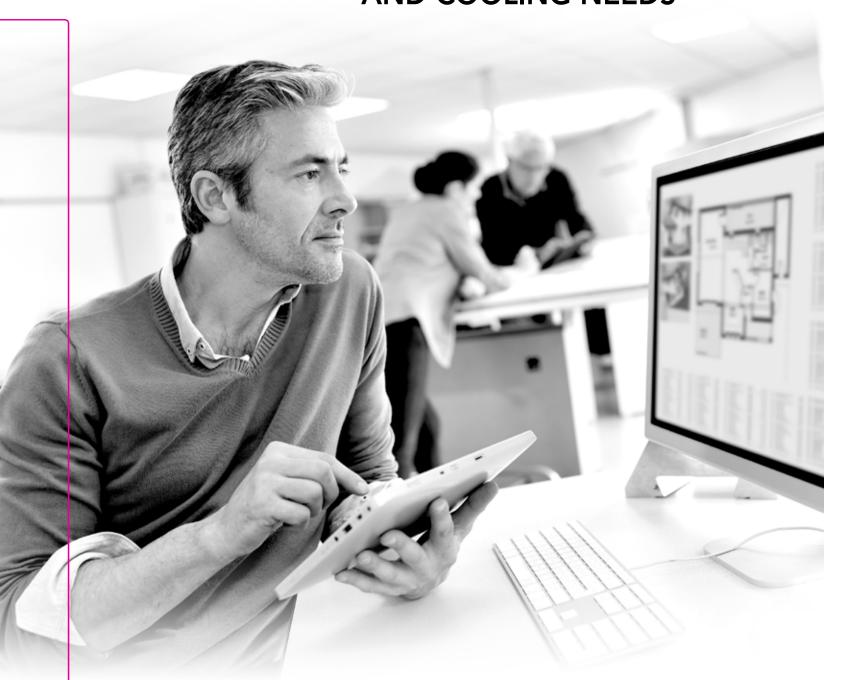


UNDERFLOOR HEATING AND COOLING Solutions

P	ag
SYSTEMS	. 2
PANELS	. 2
HYDRAULIC GROUPS	. 3
MANIFOLDS	. 3
DISTRIBUTION EQUIPMENT	. 3
CABINETS	. 3
REGULATION	. 3

THE DEFINITIVE SOLUTION

TO MEET ALL UNDERFLOOR HEATING AND COOLING NEEDS



The new range of **ORKLI insulating panels** is the **definitive** underfloor heating and cooling solution for **every type of building, including renovations.** An innovative system based on the composition of **optimised dimples**, which facilitates pipe-to-plate fixing, considerably simplifying final on-site installation. New design and technology predominantly focussed on the end user's comfort and well-being, with significant acoustic improvements (**27 decibels**), providing a greater level of **soundproofing**. This describes the new ORKLI panels.

UNIQUE ADVANTAGES

THANKS TO A UNIQUE PRODUCT WITH ADVANCED TECHNOLOGY

HIGH-LEVEL ENERGY EFFICIENCY AND EASY INSTALLATION.

An updated, more functional design and advanced technology in developing underfloor heating provide the new panels with a perfect balance between **energy efficiency and easy installation**.

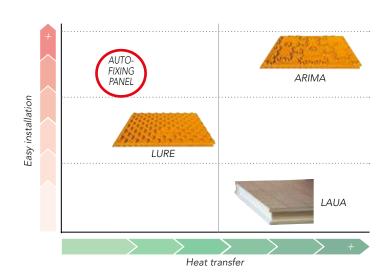


Table on ORKLI panel heat transfer efficiency.



GREATER LEVEL OF SOUNDPROOFING.

Because we think about people's comfort and well-being, we have increased the panels' acoustic insulation level, achieving a **greater degree of soundproofing for the space**.

INNOVATION AND TECHNOLOGY.

Innovative and more effective configuration of the underfloor heating and cooling panel with **better-optimised dimples facilitates pipe fixing**, allowing for quicker and safer assembly.

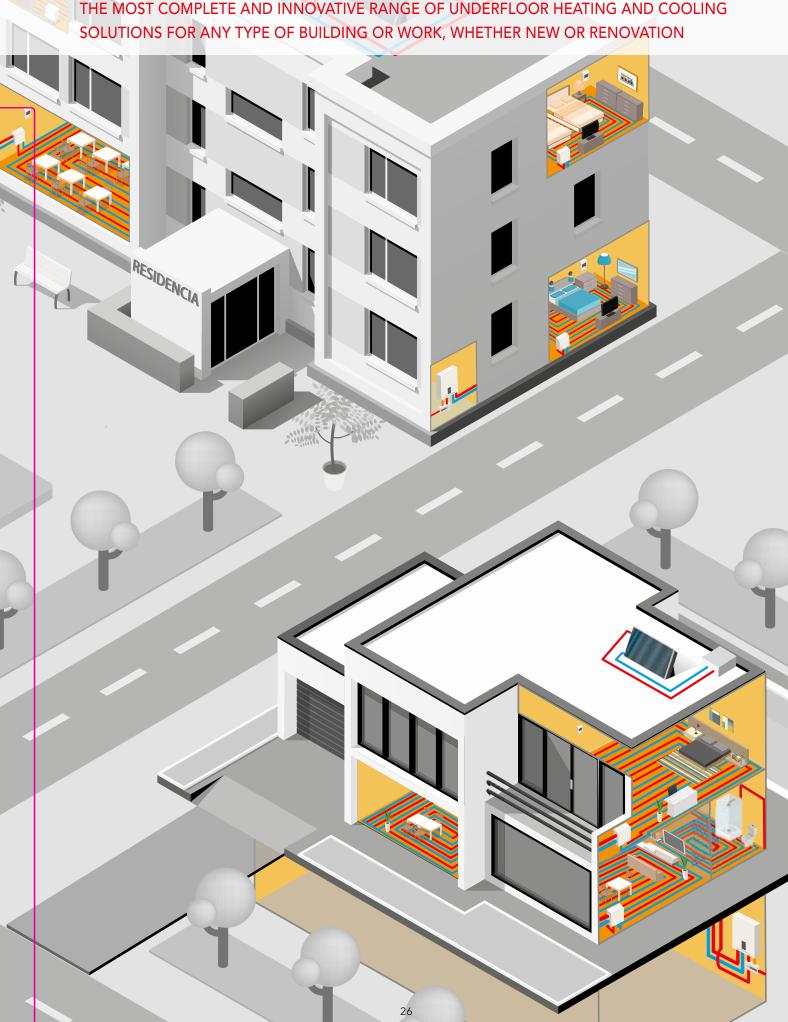




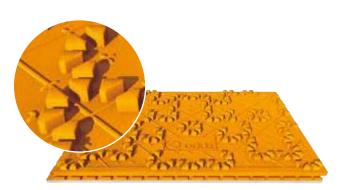
THE IDEAL SOLUTION FOR RENOVATION.

Our wide range of panels with solutions for different types of works, along with their **easy assembly**, also make ORKLI the **best option for renovation work**.

THE MOST COMPLETE AND INNOVATIVE RANGE OF UNDERFLOOR HEATING AND COOLING



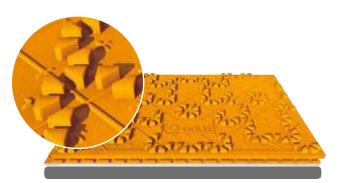
The insulating panel FAMILIES ARIMA, ISILA and LURE are a definitive commitment on ORKLI's part to offering a wide and varied range which meets every possible installation need.





ARIMA

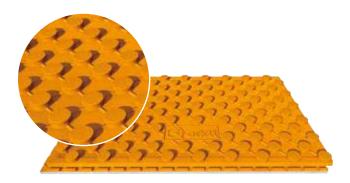
- New improved design.
- **Optimised** dimple composition.
- Multidirectional.
- Improved pipe fixing.
- Easy assembly.
- Greater heal transfer between the pipe and mortar.





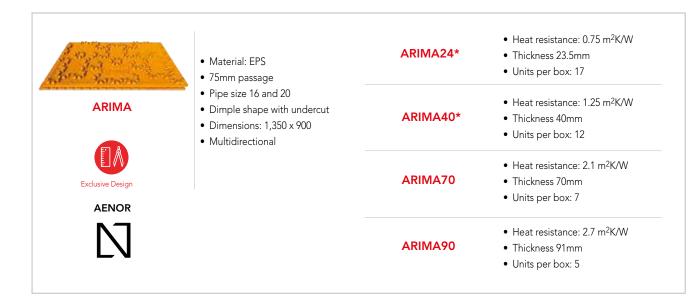
ISILA

- Improved acoustic result (27 dB).
- New improved design.
- Optimised dimple composition.
- Multidirectional.
- Improved pipe fixing.
- Easy assembly.

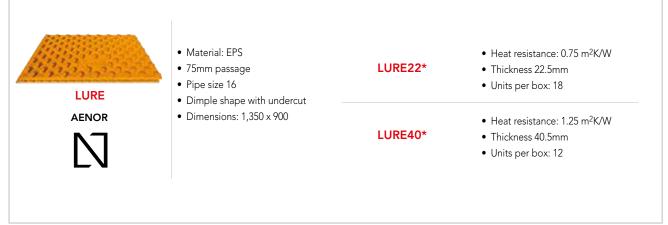


LURE

• Easy assembly.







*Certified Product



LAUA

ACERMI certificate no. 11/121/684

EC marking in accordance with standard NF EN 13165

AENOR

N

- Material: Polyurethane mousse
- Grid in multiples of 10cm on the upper side for pipe installation
- Thermal conductivity: 0.023W/(mK)
- Maximum dimensions:
 1200 x 1000mm
- Useful dimensions; 1,190 x 990mm
- Efficiency: greater contact between pipe and mortar

Check availability of other thickness values

LAUA20	 Heat resistance: 0.75 m²K/W Thickness 20mm Units per box: 24
LAUA30*	 Heat resistance: 1.35 m²K/W Thickness 30mm Units per box: 16
LAUA40	 Heat resistance: 1.85 m²K/W Thickness 40mm Units per box: 12
LAUA48	 Heat resistance: 2.2 m²K/W Thickness 48mm Units per box: 10
LAUA52	 Heat resistance: 2.4 m²K/W Thickness 52mm Units per box: 8
LAUA57	 Heat resistance: 2.6 m²K/W Thickness 57mm Units per box: 7
LAUA69	 Heat resistance: 3.15 m²K/W Thickness 69mm Units per box: 7
LAUA80	 Heat resistance: 3.7 m²K/W Thickness 80mm Units per box: 6



MULTI-LAYER INSULATOR

- Material: multi-layer heat reflective
- Maximum dimensions: 50 x 1.2m
- Special for renovation



LAUA101

• Heat resistance: 0.94m²K/W

• Heat resistance: 4.65 m²K/W

Thickness 101mmUnits per box: 5

- Thickness 5mm
- M²/roll: 60



MESH

- Material: polished steel wire
- Dimensions: 2,100 x 1,200mm
- Squares of 150 x 150mm
- 3mm wire mesh
- Designed especially for underfloor heating
- Easy installation

MARA10

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UNDERFLOOR HEATING AND COOLING solutions



• Reticulated using the peroxide method (PEX-A) with EVOH antidiffusion barrier

AVIS TECHNIQUE CSTB 14/07-1149





• Multi-layer

SRTM16-200

• Ø16x2 • 200m reel • Ø20x2

COMPONENTS

SRTM20-200 • 200m reel



MULTI-LAYER PIPE

PERIMETER STRIP	
Made from polyethylene foam, with skirt and 7mm thick	130 (w
With Skirt and / min thick	

HEIGHT (mm)	m/REEL	ARTICLE
130	50	SRBAN-2
130 (with adhesive)	50	SRBAN-3
180	50	SRBAN-4



ANTI-WOISTORE BARRIER	m/KEEE	ARTICLE
Polyethylene film (1m wide) and	200	SRFILM
0.15mm (G600) thick.		

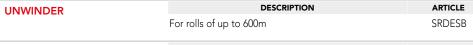


GUIDE ELBOW	DESCRIPTION	ARTICLE
	Ø16mm	SRGUIA16
	Ø20mm	SRGUIA20













DESCRIPTION	ARTICLE
Pipe-cutting scissors	SRCUT



INSULATING PANEL STAPLES Of polypropylene for pipes measuring Ø16 and Ø20mm. 50u/bag.

DESCRIPTION	ARTICLE
For panels with dimples	SRCLIP-T
For smooth panels	SRCLIP-L



MESH CABLE TIE	DESCRIPTION	ARTICLE
Suitable for pipes size 16.	3mm	SRCLIP-M
20mm		







		0
EXPANSION JOINTS	DESCRIPTION	ARTICLE
50m/u (25 strips of 2m)	Thickness: 10mm, height: 130mm	SRJUNT-R



MORTAR ADDITIVE



DESCRIPTION

ARTICLE



PIPE CONNECTION **ACCESSORIES** Includes 2u per bag.

3/4 Eurocone Ø20x1.9mm	30	V-04229	
Rust-proof connection for PERT-AL-PERT multi-layer pipe			
DESCRIPTION	u/BOX	ARTICLE	
3/4 Eurocone Ø16x2mm	30	V-04228	
3/4 Eurocone Ø20x2mm	30	V-04229	





- Makes installation easier
- Saving on materials, labour
- Safety and dependability
- Guarantee



• Maximum operating temperature: 110°C

• Maximum operating pressure: 6 bar

• Connections: 1" female

• Distance between axes: 125mm

• Differential pressure valve scale: 0.1-0.6 bar

Material:

- Insulation: EPP

- Copper pipes (UNE 1057)

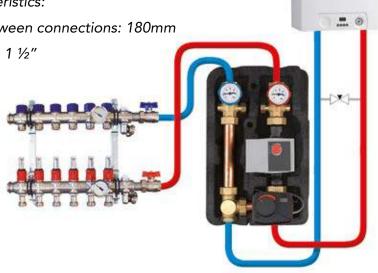
- Brass bodies (EN1265CW617N)

- Joints: EPDM

• Pump characteristics:

- Distance between connections: 180mm

- Connections: 1 1/2"



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VARIABLE-POINT WITH REGULATION BY EXTERIOR TEMPERATURE

Variable-point hydraulic groups are composed of 2 shut-off valves, 2 thermometers, a motorised mixing valve with regulation by exterior temperature and a pump (180mm). Motor: 3-point actuator, 230V, connection cable: 1.5m, 90° rotation time: 120s., Torque: 6Nm.

• EXTERIOR PROBE **INCLUDED**

SR3300

- 1" group with shut-off valve, motorised mixing valve with regulation by exterior temperature and thermometers with exterior probe.
- Pump: YONOS FOR RS25/7.5RKA (High Efficiency)



VARIABLE-POINT

This hydraulic group allows for regulation of supply temperature based on the temperature measured by the exterior probe, both for underfloor heating and underfloor cooling. Motor: 3-point actuator, 230V, connection cable: 1.5m, 90° rotation

time: 120s., Torque: 6Nm.

SR2300

- 1" group with shut-off valve, motorised mixing valve and thermometers.
- Pump: YONOS FOR RS25/7.5RKA (High Efficiency)



This hydraulic group successfully mixes the supply water from the

boiler with the return to achieve a constant supply temperature, adapting to underfloor heating needs.

Mixing valve temperature range: 25-55°C

SR1300

- 1" group with shut-off valve, fixed-point mixing valve and thermometers.
- Pump: YONOS FOR RS25/7.5RKA (High Efficiency)

FOR INTEGRATION WITH FIXED-POINT MANIFOLD

Hydraulic groups for integration with fixed-point and variable-point manifold have been designed with the aim of placing products which make project development easy at the disposal of professionals, with a notable increase in the end quality of the installation carried out.

- Maximum operating temperature: 110°C
- Maximum operating pressure: 6 bar
- Mixing valve temperature range: 25-55°C
- Pump characteristics:
- Distance between connections: 130mm
- Connections: 1



FIXED-POINT

SR1200S



* The set point regulating units do not have shut-off valves, they are mounted with the stainless steel collectors that already have them.



FIXED-POINT

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UNDERFLOOR HEATING AND COOLING solutions

MODULAR MANIFOLDS

CHARACTERISTICS

Polyamide manifolds suitable for water and glycol (max. 50%) Working temperature: 5 to 55°C		Operating pressure: 0-6bar			
INITIAL MODULES		C54000	Pair of supply and return ball valves		B-A
	1" SHUT-OFF VALVES	CS6000	Nickel-plated brass	DISTRIBUTION EQUIPMENT WITH FLOW	REGULATOR



- 1" INITIAL MODULE
- CS1000
- 1" ACCESSORIES MODULE CS4000
- Automatic drainer
 - Drain cock
 - Thermometer

INTERMEDIATE MODULES



1" SUPPLY MODULE

- 2 outlets
- CS2100
- 0-5l/min flow regulator • Kv: 2.04m³/h

- 3 outlets
- CS3100
- Outlet screw cap: 3/4" Eurocone

1" RETURN MODULE

- 2 outlets
- CS2200
- 3 outlets
- CS3200
- M30x1.5 thermostat fitting
- Kv: 2.80m³/h
- Outlet screw cap: 3/4" Eurocone

FINAL MODULE



END CAP CS5000



SUPPORT FOR MODULAR **MANIFOLDS**

CS7000

- Includes 2u per bag
- One support per 4 modules is recommended

MODULAR SETS



CS8000

- Includes:
- 2 initial modules (CS1000), 2 accessory modules (CS4000),
- 2 end caps (CS5000) and
- 1 support (CS7000)





2 OUTLET SET

CS2000

• Includes: supply module (CS2100), return module (CS2200)

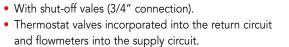




3 OUTLET SET

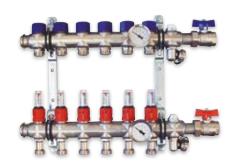
CS3000

• Includes: supply module (CS3100), return module (CS3200)



• DN32 rust-proof manifolds.

- It incorporates a thermometer, fill valve/drain cock and manual drainer in both branches.
- Outlet screw cap: 3/4" Eurocone.
- Distance between outlets: 50mm.
- It incorporates metal manifold supports.
- Distance between branches: 200mm.



SM1002S	2 ways
SM1003S	3 ways
SM1004S	4 ways
SM1005S	5 ways
SM1006S	6 ways
SM1007S	7 ways
SM1008S	8 ways
SM1009S	9 ways
SM1010S	10 ways
SM1011S	11 ways
SM1012S	12 ways

CABINETS

- Galvanised steel.
- Colour: white (RAL 9010), with anti-corrosion treatment.
- More robust.

MANIFOLDS

• Adjustable depth between 90 and 130mm with incorporated lock.

1006090 540 x 524 1007090 690 x 524 1008090 840 x 524 1009090 990 x 524

1005090

• Manifold height variable within cabinet.

• Metal cabinets and frames for embedding.

401 x 524

DISTRIBUTION EQUIPMENT

• Adjustable depth between 150 and 190mm with incorporated lock.

1007150	690 x 525	
1008150	840 x 525	
1009150	990 x 525	
1010150	1140 x 525	

CUSTOM COMBINATIONS



- Simple and quick assembly
- Supplied in folded boxes, so that assembly can be carried out whenever desired

Below are instructions on how to choose a **cabinet** based on the manifold type.

FLOW REGULATOR RUST-PROOF MANIFOLDS - MANUAL THERMOSTAT AND LOCKSHIELD DRIVE - MANUAL THERMOSTAT DRIVE



No. of ways	Manifold dimension	Metal cabinet width dimension	Metal cabinet width dimension
		WITHOUT junction box	WITH junction box
2 ways	264mm	401mm	401mm
3 ways	294mm	401mm	540mm
4 ways	344mm	401mm	540mm
5 ways	394mm	540mm	540mm
6 ways	444mm	540mm	690mm
7 ways	494mm	540mm	690mm
8 ways	544mm	690mm	690mm
9 ways	594mm	690mm	840mm
10 ways	644mm	690mm	840mm
11 ways	694mm	840mm	840mm
12 ways	744mm	840mm	990mm

MODULAR MANIFOLDS



No. of ways	Manifold dimension	Metal cabinet width dimension	Metal cabinet width dimension
		WITHOUT junction box	WITH junction box
2 ways	297mm	401mm	540mm
3 ways	344mm	401mm	540mm
4 ways	391mm	540mm	540mm
5 ways	439mm	540mm	690mm
6 ways	487mm	540mm	690mm
7 ways	534mm	690mm	690mm
8 ways	582mm	690mm	840mm
9 ways	629mm	690mm	840mm
10 ways	676mm	840mm	840mm
11 ways	724mm	840mm	990mm
12 ways	772mm	840mm	990mm

DISTRIBUTION EQUIPMENT



No. of ways	Distribution equipment width dimension	Metal cabinet width dimension	
2 ways	494mm	690mm	
,		690mm	
3 ways	524mm	09Umm	
4 ways	574mm	690mm	
5 ways	624mm	690mm	
6 ways	674mm	840mm	
7 ways	724mm	840mm	
8 ways	774mm	840mm	
9 ways	824mm	990mm	
10 ways	874mm	990mm	
11 ways	924mm	990mm	
12 ways	974mm	1140mm	

EXTERIOR TEMPERATURE FOR: UNDERFLOOR HEATING / UNDERFLOOR HEATING-COOLING



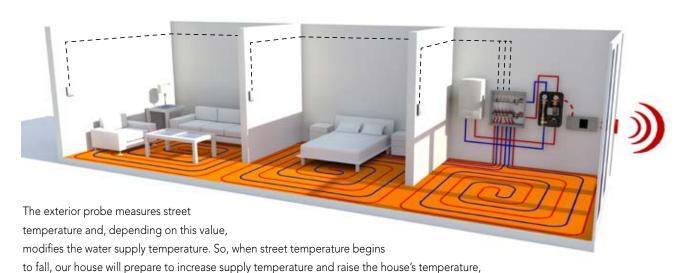
• Switchboards have an integrated Relay Module for system support

	REGULATION SWITCHBOARD	E-22153	Digital switchboard with heating/cooling control
# 1	SWITCHBOARD JUNCTION BOX	E-18905	
	APPLICATION KEY	E-22104	Heating
	APPLICATION RET	E-22105	Heating - cooling
9	SUPPLY PROBE	E-19452	 Thermoprobe TRP 150 / PT 1000 Ø 6.5 x 36mm - 2m cable Suitable for return
•	SUPPLY PROBE CASE	555001	• Ø7 x 8 x 47, 1/2" NPT fitting
	EXTERIOR PROBE	E-18901	• 2m, IP65-NTC 1%- 10K OHM-25 °C
	ANTI-CONDENSATION PROBE (UNDERFLOOR HEATING-COOLING)	E-22106	To prevent condensation

EXTERIOR TEMPERATURE REGULATION ACCESSORIES

	THERMOELECTRIC HEAD	DESCRIPTION	u/BOX	ARTICLE
	Easy assembly: first, screw the	M30x1.5 NC 230V head	24	CT410800
	nut onto the valve and then,	M30x1.5 NC 230V head with	micro 24	V-05001
ě	with just one click, the head is	M30x1,5 fitting	1	V-02070
	assembled. The cable does not obstruct assembly.	M28x1 fitting	1	V-02214
	JUNCTION BOX	DESCRII	PTION	ARTICLE
W. C. L. W. C.	For thermoelectric head	System of connections to the	ermostat: 6	E-25228
3 5 5 5 5 Common 2	connection. Offers connection	RF multi-channel connection		E-25230
	to the pump for pump activation when one of the heads is activated.	Thermostat for radiofrequency		E-25231
	SAFETY CONTACT	DESCRIPTION	u/BOX	ARTICLE
(A)	THERMOSTAT	TCS safety		
v	Calibrated at 65° (mechanical).	contact thermostat	50	543461
	DIFFERENTIAL PRESSURE	DESCRIPTION	u/BOX	ARTICLE
	VALVE	1" straight	10	V-01121
	TUED1406T4T 141V/11/6 V/4 U/F	DESCRI	PTION	ARTICLE
	THERMOSTAT MIXING VALVE	3/4" H supply - 1" M return		E-19813
		DESCRIPTION		ARTICLE
		230V - 5Nm - 60"		E-18683
	MOTORISED MIXING VALVE PART	Exterior probe included		
		DESCRIPTION		ARTICLE
			Exterior temperature mixing motor	
	MIXING VALVE	DESCRI	PTION	ARTICLE
	Compatible with motorised parts	3 outlets 1"		E-18680

BY EXTERIOR TEMPERATURE AND UNDERFLOOR HEATING



• Automatic response to exterior temperature changes

way, reducing supply temperature.

anticipating cold street temperatures. If the exterior temperature rises, it will act in the opposite



BEROA THERMOSTATS AND CHRONOTHERMOSTATS



CHRONOTHERMOSTATS

• Protection against low temperatures (5°C) • When batteries are removed, the chrono maintains the • Daily programmable 48 separate ranges programme for a few minutes • Also operates in manual mode and hold mode • In off mode, the screen shows ambient temperature, date and time SUMMER-WINTER MODEL **RA310** • Wiring **ON-OFF MODEL RA300** Wiring

THERMOSTATS

THERMOSIAIS			
Temperature range: 10-30°COn mode and off modeLow battery indication			 In off mode, the screen shows ambient temperature (digital thermostats) Powered with two alkaline batteries (1.5V, LR6 type)
DIGITAL		SUMMER-WINTER MODEL	RA210
	0	ON-OFF MODEL	RA200
MECHANICAL		SUMMER-WINTER MODEL	RA110
		ON-OFF MODEL	RA100

EGOKI THERMOSTATS AND CHRONOTHERMOSTATS

ACCESSORIES



THERMOELECTRIC HEAD V-05001

• M30x1.5 NC 230V head with micro, 24u/box





FROM NOW ON,
CONTROL OVER
COMFORT IN THE
HOME IS ENTIRELY
IN YOUR HANDS





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PROGRAMMABLE ELECTRONIC HEADS

The Egoki programmable electronic head registers the temperature and humidity of the designated heating zone and uses Egoki Wi-Fi digital thermostats to regulate the room's temperature.



- Replaces conventional thermostats and controls radiators in line with users' individual needs
- Up to three adjustable heating profiles: Ambient temperature can be programmed (up to 6 heating phases per day with configurable temperature)
- In combination with the window sensor accessory, temperature is automatically reduced as soon as windows are opened

- Safe installation: the device is firmly fixed to radiators thanks to its metal nut
- Easy installation: water drainage is not necessary for servicing the heating system
- Manual operation: Allows for temperature changes and activation of the boost function (quick radiator heating), which can be carried out directly from the device



EK503 Manual

- Ambient temperature: 0 to 50°C
- Dimensions (W x H x D) 54 x 60 x 99mm
- Threaded connection M28 x 1mm
- Supply voltage 2 x 1,5V LR6/Mignon/AA
- Energy consumption 100 mA máx.

ACCESSORIES

THERMOELECTRIC HEAD



V-05001

• M30x1.5 NC 230V head with micro, 24u/box

44



for the entire Beroa range!



The new **BEROA** temperature regulation range, with a more modern and updated design, maintains the quality standards of this brand's other products. Its proven reliability and simple-to-use programming system are further arguments and benefits which will convince even the most discerning end user.



- A more intuitive control panel
- **Improved** temperature measurement
- Chronothermostat back-lighting
- Larger chronothermostat screen area (in inches)
- Greater reception between transmitter and receiver in the Radiofrequency model
- No interference: a **different connection** for each device



- Temperature range: 10 to 30°C
- Indication of low battery
- Powered with two alkaline batteries (1.5 V, LR6 type)

45

• 5-years guarantee

CHRONOTHERMOSTAT



- Protection against low temperatures (5°C)
- Daily programmable 48 separate ranges
- Also operates in manual mode and hold mode
- When batteries are removed, the chrono maintains the programme for a few minutes
- In off mode, the screen shows ambient temperature, date and time



SUMMER-WINTER MODEL RA310

Wiring



ON-OFF MODEL

RA300

Wiring

THERMOSTATS

- Temperature range: 10-30°C
- On mode and off mode
- In off mode, the screen shows ambient temperature (digital thermostats)
- Low battery indication
- Powered with two alkaline batteries (1.5V, LR6 type)

DIGITAL



SUMMER-WINTER MODEL RA210



ON-OFF MODEL

RA200

MECHANICAL



SUMMER-WINTER MODEL RA110



ON-OFF MODEL

RA100

UNDERFLOOR HEATING / UNDERFLOOR HEATING-COOLING



• Switchboards have an integrated Relay Module for system support

	REGULATION SWITCHBOARD	E-22153	Digital switchboard with heating/cooling control
	SWITCHBOARD JUNCTION BOX	E-18905	
-	APPLICATION KEY	E-22104	Heating
	APPLICATION RET	E-22105	Heating - cooling
9	SUPPLY PROBE	E-19452	 Thermoprobe TRP 150 / PT 1000 Ø6.5 x 36mm - 2m cable Suitable for return
•	SUPPLY PROBE CASE	555001	• Ø7 x 8 x 47, 1/2" NPT fitting
	EXTERIOR PROBE	E-18901	• 2m, IP65-NTC 1%- 10K OHM-25°C
	ANTI-CONDENSATION PROBE (UNDERFLOOR HEATING-COOLING)	E-22106	To prevent condensation

ACCESSORIES

		DESCRIPTION	u/BOX	ARTICLE
	THERMOELECTRIC HEAD	M30x1.5 NC 230V head	24	CT410800
	Easy assembly: first, screw the	M30x1.5 NC 230V head with	micro 24	V-05001
1	nut onto the valve and then,	M30x1,5 fitting	1	V-02070
	with just one click, the head is assembled. The cable does not obstruct assembly.	M28x1 fitting	1	V-02214
THE RELEASE OF THE PARTY OF THE	JUNCTION BOX	DESCRI	PTION	ARTICLE
W 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	For thermoelectric head	System of connections to thermostat: 6		E-25228
The Part of Persons of	connection. Offers connection	RF multi-channel connection system		E-25230
	to the pump for pump activation when one of the heads is activated.	Thermostat for radiofrequen	су	E-25231
		DESCRIPTION	u/BOX	ARTICLE
•	SAFETY CONTACT THERMOSTAT Calibrated at 65° (mechanical).	TCS safety contact thermostat	50	543461
	DIFFERENTIAL PRESSURE VALVE	DESCRIPTION	u/BOX	ARTICLE
		1" straight	10	V-01121





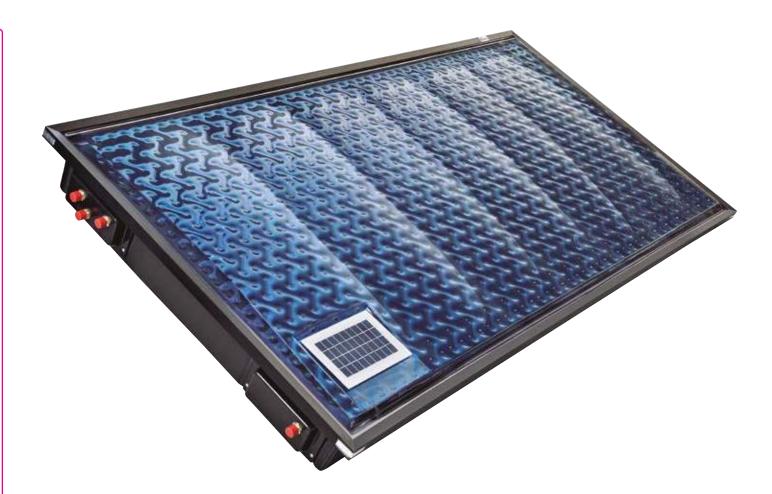
HIGH-LEVEL SOLAR TECHNOLOGY FOR THE MOST INNOVATIVE AND EFFICIENT SOLAR SOLUTIONS ON THE MARKET

OKSOL

THE ONLY **FORCED AND AUTONOMOUS COMPREHENSIVE SYSTEM** ON THE MARKET

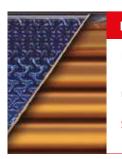
OKSOL by **ORKLI**, is a novel solar system which uses thermal solar technology to produce Domestic Hot Water. A single external energy element combines the absorber, the forced recirculation system and the DHW accumulator for 150l of water.

Using solar photovoltaic technology to power the recirculation pump, it operates as a **totally autonomous system**, with no need for an external source. It is the **only solar system which incorporates every element**: 150l accumulator, exchanger, pump, photovoltaic panel, etc. to increase your home's value by improving its energy efficiency and adding renewable energy.





- Pump powered by **photovoltaic cells**
- Tank capacity: 150l
- Useful absorption surface: **2m**²
- Heat exchanger surface: 0,29m²
- External dimensions: length: 2,031mm, width: 1,060mm, depth: 290mm Empty weight including tank: 89kg. Weight with glycol: 95kg
- Structure on floor or flat terrace, integrated in-roof, on sloped roof. These structures are optional and are not included in the price.
- Solar **Keymark Approved** (EN 12976).



INTERACCUMULATOR

Integrated into the system with 150l capacity and corrosionresistant

SPACE-SAVING



HEAT SINK

Protects the system from high temperatures and unexpected overheating

SAFETY AND DURABILITY



SAFETY VALVE

Controls and guarantees primary circuit pressure

SAFETY



PHOTOVOLTAIC PANEL

Powers the recirculation pump, preventing the need for an external energy source

AUTONOMY AND SAVING



PRESSURE AND TEMPERATURE VALVE

Controls and guarantees DHW accumulator pressure and temperature

SAFETY



SOLAR COLLECTOR

2m² stainless steel, with PVD selective treatment and double the heat transfer fluid than a traditional solar collector (4I)

MAXIMUM OUTPUT



3-OUTLET THERMOSTAT VALVE

Directs the primary flow towards the DHW tank exchanger or towards the heat sink

AUTONOMY AND SAFETY



PRIMARY CIRCUIT PUMP

DC pump modulates its speed based on solar radiation

AUTONOMY AND EFFICIENCY

Fewer components mean

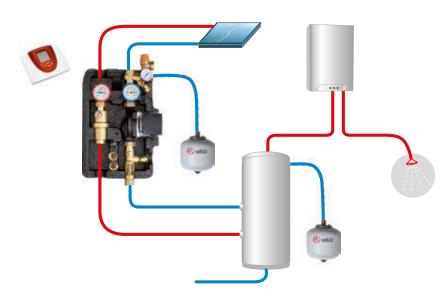
shorter installation time,

lower final cost

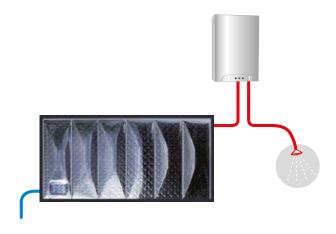
and space-saving in your home

del hogar

TRADITIONAL SYSTEM



OKSOL SOLUTION



HIGHLY EFFICIENT INSTALLATIONS

MAXIMUM EFFICIENCY, **MAXIMUM SAVING**





POWER

zero energy consumption MONEY

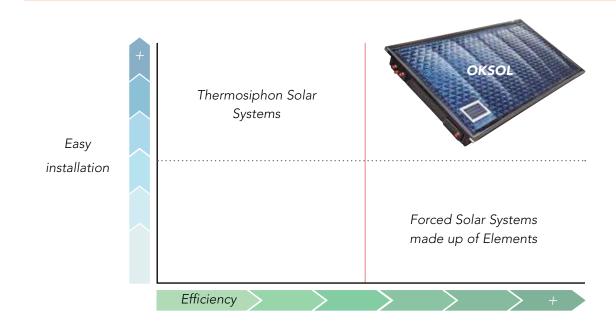
easy installation

OPERATION COSTS

Maximum performance and minimal space



- No user manipulation required
- No space needed for collector in house
- **Zero** electricity consumption
- Zero water consumption
- **Zero** CO_{2 emissions}
- The solar circulator does not make noise
- The primary circuit never reaches high temperatures



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SOLAR solutions



FACTS ABOUT OKSOL, THE ONLY ALL-IN-ONE, FORCED, AUTONOMOUS **SOLAR SYSTEM ON THE MARKET**

- 100% RENEWABLE 👫 ORKLI Group is committed to developing sustainable, renewable energy solutions.
- AUTONOMY (X) No external electrical connection needed, thanks to the embedded photovoltaic panel powering the pump.
- SUSTAINABLE AND ZERO CO₂ EMISSIONS No electricity used, plus no water wastage.
- EASY TO INSTALL Easy to fit, no hydraulic or electronic regulation required; simply connect to the water inlet and outlet.
- EASY TO MAINTAIN 🔐 Four easy access points for fast and simple maintenance of key elements of the systems.
- ENERGY EFFICIENCY 🍪 The pump efficiently modulates its speed based on solar radiation intensity. Minimized losses due to optimized
- pipping. PERFORMANCE & RELIABILITY 🗥
- Not subject to potential power outage nor human error (because of fully integrated design, no handling by inexperienced people).
- 🧣 FUNCTIONAL & ATTRACTIVE DESIGN All-in-one, functional, robust design with high performance materials. Attractive design to match building style, including roof-integrated system or flat or sloped roof mounting options.
- O DURABILITY & HIGH RESISTANCE No overheat in primary system thanks to an integrated heatsink. Shock-proofed material. Long life cycle.

OKSOL contributes to the 2020 European

- 20% increase in the use of renewable energies
- 20% reduction in primary energy consumption
- 20% reduction in greenhouse
- CERTIFICATION & COMMITTED QUALITY & ... Keymark 011-7S1479A. Performance/quality test of 100% OKSOL in solar radiation chamber.
- Reduced capital costs

O LOWER TCO (TOTAL COST OF OWNERSHIP)

- Shorter installation time due to ease of installation
- Fewer components

Reduced operating costs

- Shorter maintenance time due to ease of access
- Higher efficiency and durability ...
- SAVES SPACE AT HOME The 150-liter capacity and corrosion-resistant internal tank saves valuable space inside the building.
- ALL KIND OF BUILDINGS Suited to every type of residential and commercial building thanks to improved energy performance, lower TCO and lower environmental impact.















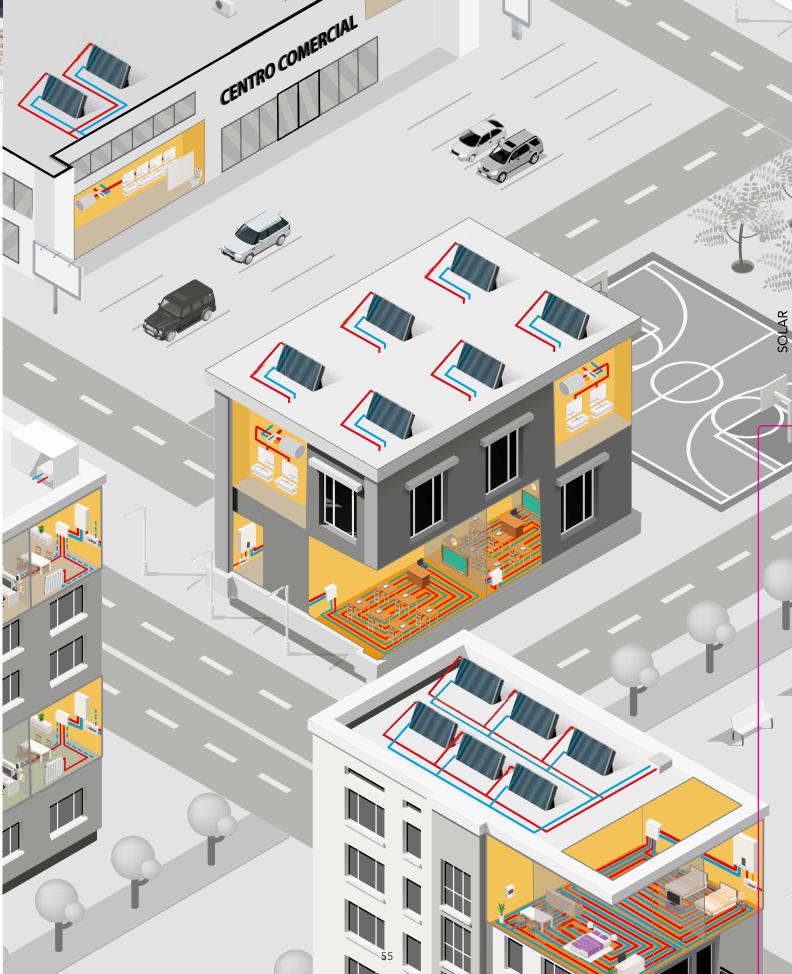


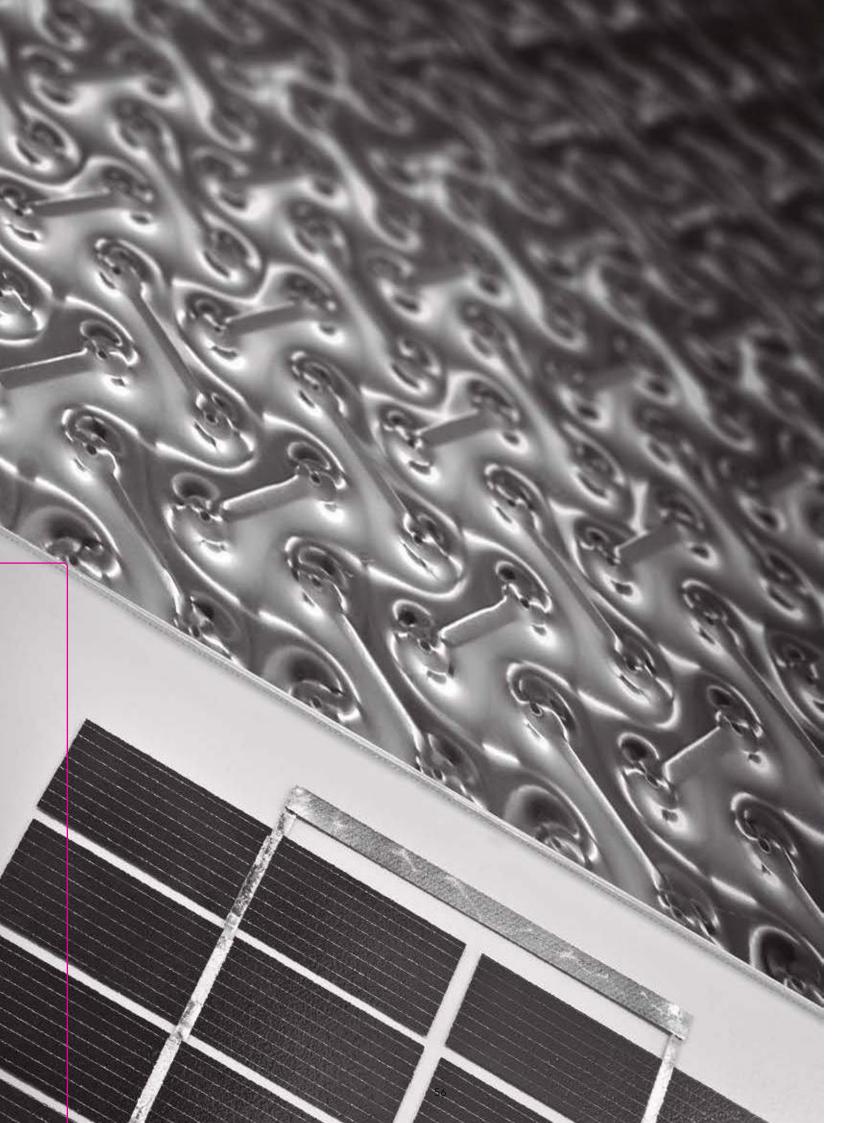


MAXIMUM COMFORT

The patented thermal energy stratification system guarantees immediate availability of hot water for the user. No circulation pump noise in living areas.

ADAPTABILITY AND FUNCTIONALITY: TWO UNIQUE OKSOL SOLAR SYSTEM **CHARACTERISTICS**







SOLAR Solutions

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OKSOL SOLAR SYSTEM	58
COMPONENTS:	
- DRAIN UNIT 5	59
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- SOLAR INSTALLATION REGULATION	63
- SOLAR DOMESTIC WATER KIT	54
- ZONE VALVES	55



OKSOL-150

- Pump powered by photovoltaic cell.
- Tank capacity: 150l.
- Useful absorption surface: 2m².
- Heat exchanger surface: 0.29m².
- Structure on floor or flat terrace, integrated in-roof, on sloped roof. These structures are optional and are not included in the price.
- External dimensions: Length: 2,031mm, width: 1,060mm, depth: 290mm.
 Empty weight including tank: 89 kg.
 Weight with glycol: 95kg.
- Solar Keymark Approved (EN 12976).

3 GUARANTEE

STRUCTURES

			DESCRIPTION	ARTICLE
	IN-ROOF INTEGRATION	1570 x 2330mm		V-00397
			DESCRIPTION	ARTICLE
The same of the sa	OVER SLOPING ROOF	Tile protection kit no	ot included	V-00395
-			DESCRIPTION	ARTICLE
No.	ROOF TILE MOUNTING KIT			V-01036
			DESCRIPTION	ARTICLE
	ON FLOOR OR FLAT TERRACE	Legs		V-01035
	WALL STRUCTURE		DESCRIPTION	ARTICLE V-00396
			DESCRIPTION	ARTICLE
⊗ orkii	PROTECTION HOOD	Accessory		V-02521

DRAIN UNIT





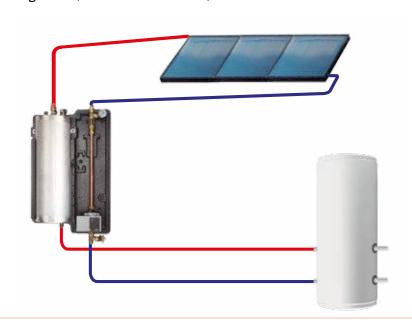


- High-efficiency pumps
- Installation protected from frost and overheating
- Compatible with practically any solar equipment on the market (collector, accumulator, etc.)
- Flexible, configurable system
- No expansion tank or drain valve required



CHARACTERISTICS

- Max. operating temperature: 110°C
- Maximum peaks: 130°C
- Safety valve calibration: 3bar
- Flow indication range: 2 to 12l/min
- Connections: bicone nut for Cu15mm or ½"M pipe
- Regulator parameter settings for use:
 - Difference in activation temperature between manifolds and accumulator: 15°C
 - Maximum permitted temperature in manifolds: 130°C
 - Pump speed lower limit (PWMmin): 60% or higher
 - Set filling time (with PWM at 100%): minimum 5 minutes



SOLAR

DRAIN UNIT: HYDRAULIC GROUP WITH DRAIN-BACK SYSTEM





DRAIN BACK TANK EXTENSION KIT

DESCRIPTION

Tank

ARTICLE V-00625

HIGH-EFFICIENCY HYDRAULIC GROUPS



- More intelligent and sustainable consumption
- High performing components increase energy efficiency by close to 50%
- Possibility of accessing technical data



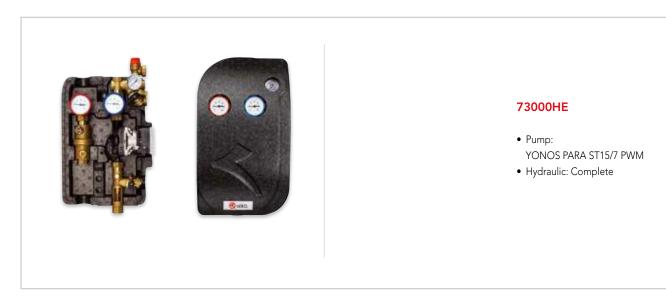
- Maximum operating temperature for safety valve: 160°C
- Safety valve calibration: 6bar
- Thermometer temperature range: 0 to 120°C
- Manometer scale: 0 to 10bar
- Maximum operating temperature for flow branch: 160°C
- Maximum operating temperature for return branch: 110°C
- EPP insulator.
- Connection for expansion vessel: G-3/4"M



HIGH-EFFICIENCY HYDRAULIC GROUPS

- Hydraulic group for manifold fields of up to 16m²
- Connections: 3/4"H

- Distance between branches: 95mm
- Flow indication range: 2-12l/min



- Hydraulic group for manifold fields of up to 50m²
- Flow indication range: 5-40l/min
- Distance between branches: 125mm

• Connections: 11/4" for DN25 flexible pipe and bi-cone nut for Cu 28 mm pipe.





FOR LARGE INSTALLATIONS

75000HE

- Pump: STRATOS PARA 25/1-9 PWM
- Hydraulic: Complete

SOLAR INSTALLATION REGULATION





'CONNECT' FUNCTION

- Installation monitoring with messages on status, temperature and performance statistics
- Controller for solar installation primary circuits
- 4 inlets+2 relays+1 PWM
- Includes 3 temperature probes (PT1000)

• Option to connect using local networks or the Internet to monitor or track the installation



SOLAR REGULATOR

DESCRIPTIONARTICLE
V-05244

• The set is comprised of a data register, a MicroSD card, an Ethernet interface, a wall power source, a CAN connection cable for the controller and a licence for the 'Connect' function

• To be used with Orkli solar switchboards



DATA LOGGERNOTE: Check availability.

_

DESCRIPTIONARTICLE
V-05246

ARTICLE 40113200 40213200

40313200

This is a connection set to auxiliary domestic hot water equipment installed between the solar accumulator and this supporting power source, which is normally an instantaneous boiler, a heater or an electric boiler

- Connections: ½" or 15mm copper pipes
- Maximum operating temperature 90°C
- Maximum operating pressure: 10bar
- 3-outlet valve/temperature deviation calibration: 48°C
- Temperature deviation tolerance: +2°C
- Thermostatic mixer regulation range: 30-60°C
- Mixing outlet temperature calibration: 45°C



S4000001

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ZONE VALVES

CE



- Universal range
- Meets all needs, including solar needs
- Fewer references, greater solutions
- Motor: 240V 50Hz
- Spring return

- Cable length: 60cm
- Fluid temperature -20° to 160°C

2 WAYS F-F



WITHOUT	LIMIT	MICRO
3 WIRES		

WITH	LIMIT	MICRO:
5 WIR	ES	

DESCRIPTION	u/BOX	ARTICLE
1/2"	10	30113200
3/4"	10	30213200
1"	10	30313200

DESCRIPTION	u/BOX	ARTICLE
1/2"	10	30123200
3/4"	10	30223200
1"	10	30323200

3 WAYS F-F



WITHOUT	LIMIT	MICRO
3 WIRES		

WITH	LIMIT	MICRO:
5 WIR	ES	

/2"		10
3/4"		10
"		10

DESCRIPTION	u/BOX	ARTICLE
1/2"	10	40123200
3/4"	10	40223200
1"	10	40323200

2 WAYS M-M



WITHOUT LIMIT MICRO: 3 WIRES

DESCRIPTION	u/BOX	ARTICLE
3/4"	10	30613200
1"	10	30713200

3 WAYS M-M



WITHOUT	LIMIT	MICRO
3 WIRES		

DESCRIPTION	u/BOX	ARTICLE
3/4"	10	40613200
1"	10	40713200





THE MOST

EXTENSIVE AND

COMPLETE RANGE,

WITH NEW FEATURES

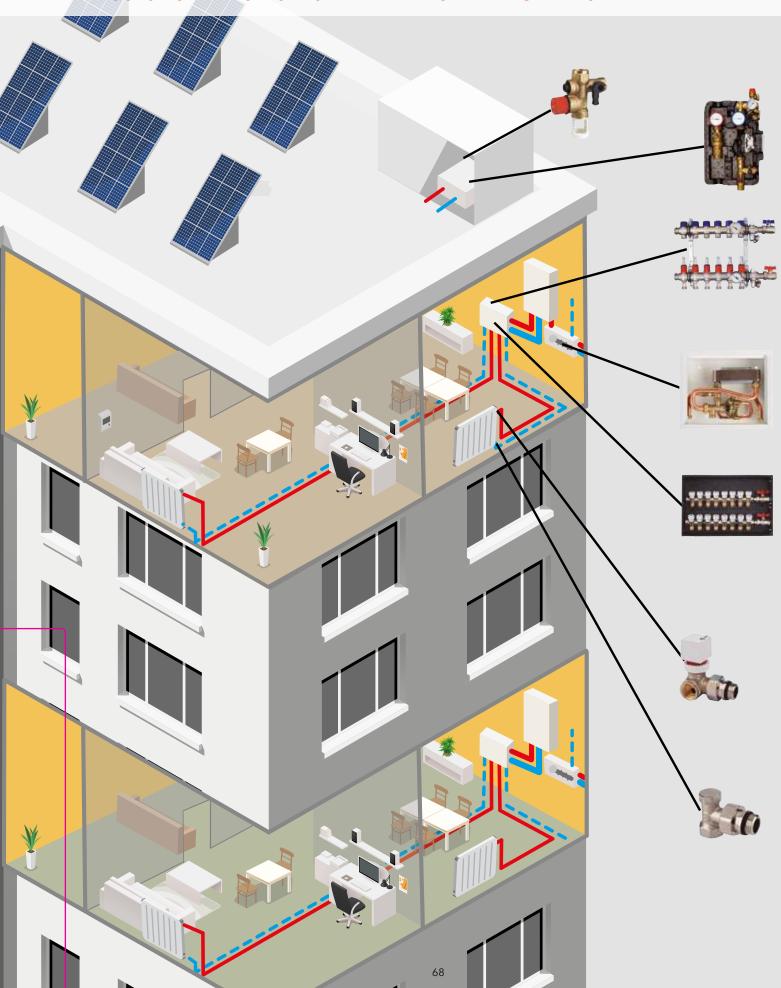
TO SURPRISE

EVEN THE MOST

DEMANDING

PROFESSIONAL

THE WIDEST RANGE OF PRODUCTS TO OFFER THE MOST COMPLETE SOLUTION WHICH IS BEST ADAPTED TO HEATING NEEDS



VERSATILITY AND **FLEXIBILITY** IN ITS ULTIMATE FORM

ORKLI's experience in designing and manufacturing zone valves allows us to offer a product with significant advantages and benefits. We can highlight its **flexibility** and **versatility** as one of its most notable characteristics. Zone valves are suitable for **meeting** the needs of all types of installation, both **standard** and **solar**. This same versatility makes for presentation of the product in two different forms: non-detachable (as a single part) and detachable assembly, allowing the body valve and actuator to be connected independently to the installation. In addition to all these advantages, it is possible to choose between valves with 240 V or 24 V motors.





- For standard and solar
- 2 and 3 ways
- Greater profitability
- Reduced stock
- Fewer references for a greater number of solutions
- Greater flow availability



INSTANT HOT WATER GENERATION. WITH ORKLI IT IS NOW POSSIBLE

Innovation focussed on sustainability: this is the aim and key for THE development and improvement of the new products which ORKLI is presenting in 2017. The **ELECTRONIC FRESH WATER STATION** and Domestic Water Kit originate from this need to offer our clients solutions which are increasingly advanced and adapted to renewable energy heating installations.





- Easy installation
- Stainless steel exchanger
- Hot water capacity of up to 30l/min
- System temperature reduction prevents limescale problems
- Consumption adapted to every need



SAFETY AND PROTECTION FOR DHW

INSTALLATIONS

The new safety groups are an important part of ORKLI's comprehensive solutions for domestic hot water installations. Their convenient, simple and safe operation improves the safety system and guarantees greater accumulator protection, thereby improving the safety system.



Ergonomic ball valve with the possibility of drive with an 8 Allen key.



Fastening for the 3/4" heater connection by means of a hexagon, with optimised faces for good grip.



The new safety valve can be more easily and effortlessly driven thanks to its new lever.



ADVANTAGES

- Universal range
- Safety valve pressure: 7bar ± 0.35
- Maximum operating temperature: 85°C
- Convenient and easy to use, effortless
- Function improvement and optimisation
- Anti-limescale protection
- Adaptability







pa	зge
THERMOSTAT HEADS	74
RADIATOR VALVES	80
MANIFOLDS	89
FRESH WATER STATION	92
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MAXIMUM PERFORMANCE AND CONTROL

EVERYTHING YOU COULD HOPE FOR FROM A **THERMOSTAT HEAD** IS NOW WITHIN YOUR **REACH**



The **VICTORY THERMOSTAT HEAD** offers excellent performance. Its considerable improvements in terms of precision, response time and water temperature influence places us in a privileged market position. Its new liquid sensor and the lever's vast, level surface make this a very technically efficient head. Its design comprises soft curves and a stylised outline, with a smooth surface which is pleasant to the touch.

VICTORY THERMOSTAT HEAD



ALWAYS AT THE
FOREFRONT,
WITH ADVANTAGES
ONLY A LEADER
CAN OFFER

FEATURES

It has one of the best TS (Transmission speed) on the

market.

RELIABILITY

Years of research and development in heating have resulted in a dependable product which meets current

sector needs.

EFFICIENCY

Exceptional performance which favours radiator efficiency.

PRECISION

Greater temperature control and a reduced response time

to achieve the desired level of comfort.

CONTROL AND SAVINGS

Individual temperature selection for each room. The most convenient system for even the most demanding user. Maximum efficiency and saving due to its new liquid sensor

system.

EASE OF ASSEMBLY

Quick and easy installation, no need for tools.



THE DEFINITIVE SOLUTION

ELECTRONIC, INDEPENDENT AND **DISTANCE** CONTROL OF EACH RADIATOR IS NOW POSSIBLE WITH ORKLI

The desire to control temperature from advanced, dependable and safe electronic devices is now possible with the new ORKLI thermostat heads. We present this new individual regulation range as the ideal solution for ambient climate control. Its compact, elegant design, which is compatible with any other conventional head, makes these devices an ever-interesting option for those looking for the optimal heating solution, in which comfort and convenience are not at odds with energy efficiency, sustainability and saving.

THESE REGULATION DEVICES STAND OUT FOR THEIR TECHNOLOGY AND PRECISION



PROGRAMMABLE.

SIMPLE, INTUITIVE PROGRAMMING

EASY INSTALLATION

100% USER CONTROL

COMPACT DESIGN

ANTI-DRIP SYSTEM













EK503

- Ambient temperature: 0 to 50°C
- Dimensions (W x H x D) 54 x 60 x 99mm
- Threaded connection M28 x 1mm
- Supply voltage 2 x 1,5V LR6/Mignon/AA
- Energy consumption 100 mA máx





• Adaptable to Orkli M28x1 thermostatable valves

• Approved in accordance with European Standards (EN-215)

• Supplied with lever lock • Operating field: (10° to 32°C)

• Anti-icing device

• 50u/box



60010

• M28 liquid sensor

• M28 distance sensor



VICTORY

• VT: 0,2

- Adaptable to Orkli M28x1
- Approved in accordance with

- Anti-icing device
- thermostatable valves
- European Standards (EN-215)
- Supplied with lever lock
- Operating field: (10° to 32°C)
- 35u/box

CT812100 • M28x1 thermostat head



HARMONY

- Adaptable to Orkli M28x1 thermostatable valves
- Approved in accordance with European Standards (EN-215)
- Supplied with lever lock
- Operating field: (10° to 32°C)
- Anti-icing device
- 50u/box

CT211400 • M28 liquid sensor



• 50u/box

E-6616

• Colour: black

E-14133

• Colour: white

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orkli (

PRECISION AND EASE FOR FLOW REGULATION

Among heating solutions, the new **Double-Regulating** Thermostat Valves stand out. A complete product family for radiators with a unique design of straight, elegant shapes, which meet current market needs and offer important cost savings, in addition to improving energy efficiency both in new heating installations and those which need updating.





Internally, they incorporate systems designed to allow precise, easy balancing of the flow in a circuit of several radia-

Furthermore, by incorporating a thermostat head, the most appropriate thermostat set is achieved, helping to automatically, precisely and efficiently control temperature.



- Precise flow regulation
- Special for renovation
- Ideal for reduced spaces (elbow, inverted angle)
- Ideal for column installations





- Thermostatable handle threaded onto the valve
- Greater safety

- Maximum grip
- More precise flow control

DOUBLE-REGULATING TWO-PIPE



- Manual lever that can be easily substituted for
- For copper pipe, add bi-cone and fitting
- O-ring and metal mixed-closure cuff

Sleeve joint to radiator area without sealing ring	
(conical thread): MC available. Consult us	

• Accessories not included



CONNECTION	
FEMALE ANGLE	

DESCRIPTION		u/BOX	ARTICLE	
radiator	pipe	head	u/BOX	ARTICLE
3/8"	3/8"	M28 x 1	50	67120
1/2"	1/2"	M28 x 1	50	67420



CONNECTION **FEMALE STRAIGHT**

DESCRIPTION			u/BOX	ARTICLE		
radiator	pipe	head	U/BOX	ARTICLE		
3/8"	3/8"	M28 x 1	50	67220		
1/2"	1/2"	M28 x 1	50	67520		



CONNECTION **MALE ANGLE**

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

	DESCRIPTIO	N	/POV	ARTICLE	
radiator	or pipe head		u/BOX	ARTICLE	
3/8"	M24 x 1,5*	M28 x 1	50	67122	
1/2"	M24 x 1.5*	M28 x 1	50	67422	



CONNECTION **MALE STRAIGHT**

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

	DESCRIPTIO	V	··/POV	ARTICLE	
radiator	pipe	head	u/BOX		
3/8"	M24 x 1,5*	M28 x 1	50	67222	
1/2"	M24 x 1 5*	M28 x 1	50	67522	



ELBOW VALVE FEMALE RIGHT

ARTICLE u/BOX 50 67820 M28 x 1 67020 M28 x 1



ELBOW VALVE FEMALE LEFT

	DESCRIPTI	RIPTION u/BOX		ARTICLE	
radiator	pipe	head	U/BOX	ARTICLE	
3/8"	3/8"	M28 x 1	50	67920	
1/2"	1/2"	M28 x 1	50	67720	



REVERSED ANGLE FEMALE

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

L	PESCRIPTIC	N	u/BOX	ARTICLE
radiator	pipe	head	U/BOX	ARTICLE
3/8"	3/8"*	M28 x 1	50	67320
1/2"	1/2"*	M28 x 1	50	67620



REVERSED ANGLE

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

DESCRIPTION	u .	/POV	ARTICLE
pipe	head	U/BOX	ARTICLE
M24 x 1.5*	M28 x 1	50	67322
M24 x 1.5*	M28 x 1	50	67622
	pipe M24 x 1.5*	pipe head M24 x 1.5* M28 x 1 M24 x 1.5* M28 x 1	pipe head u/BOX M24 x 1.5* M28 x 1 50

SIMPLE-ADJUSTMENT TWO-PIPES



- Manual handle that can be easily substituted for thermostat head
- For copper pipe, add bi-cone and fitting
- O-ring and metal mixed-closure cuff
- Sleeve joint to radiator area without sealing ring (conical thread): MC available. Consult us

THERMOSTATABLE VALVE PART



CONNECTION		DESCRIPTI	ON	LINITE (DOV	ADTICI
FEMALE ANGLE	radiator	pipe	head	UNITS/BOX	ARTICL
	3/8"	3/8"	M28 x 1	50	67150
	1/2"	1/2"	M28 x 1	50	67450



	DESCRIPTI	ON	LINUTE /DOV	ARTICLE	
radiator	pipe	head	UNITS/BOX	ARTICLE	
3/8"	3/8"	M28 x 1	50	67250	
1/2"	1/2"	M28 x 1	50	67550	



CONNECTION **MALE ANGLE**

CONNECTION

FEMALE STRAIGHT

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

DESCRIPTION			UNITS/BOX	ARTICLE	
radiator	pipe	head	UNITS/BUX	ARTICLE	
3/8"	M24 x 1,5*	M28 x 1	50	67190	
1/2"	M24 x 1,5*	M28 x 1	50	67490	



CONNECTION MALE STRAIGHT

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

	DESCRIPTIO	N	LINUTE /DOV	ARTICLE
radiator	pipe	head	UNITS/BOX	ARTICLE
3/8"	M24 x 1,5*	M28 x 1	50	67290
1/2"	M24 x 1,5*	M28 x 1	50	67590



CONNECTION
FOR WELDING ANGLE

	DESCRIPTION	ON	UNITS/BOX	ARTICLE
radiator	pipe	head	ONITS/BOX	ARTICLE
1/2"	Ø15*	M28 x 1	50	67401

THERMOSTATABLE VALVE PART INTERCHANGEABLE WITH ANGLE



CONNECTION
FEMALE REVERSED ANGLE

DESCRIPTION			UNITS/BOX	ARTICLE	
radiator	pipe	head	ONITS/BOX	ARTICLE	
3/8"	3/8"*	M28 x 1	50	67350	
1/2"	1/2"*	M28 x 1	50	67650	



CONNECTION MALE REVERSED ANGLE

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

82

	DESCRIPTIO	N	UNITS/BOX	ADTICLE
radiator	pipe	head	UNITS/BUX	ARTICLE
3/8"	M24 x 1,5*	M28 x 1	50	67390
1/2"	M24 x 1,5*	M28 x 1	50	67690

THERMOSTATABLE SETS

- Identical connection to valve part pipe and lockshield.
- Identical connection to valve part radiator and lockshield (mixed-closure cuff)
- Simple-regulating valve part
- Double-regulating thermostatable valve
- Precise flow regulation
- Nickel-plated EN12165 CW617 brass body
- Stainless steel axis

- EPDM watertight joints
- Manufactured under standard EN215
- Thermostat head
- Liquid sensor
- Regulation range between 10° and 32°C
- Anti-icing position
- Possibility of locking or determining temperature range



THERMOSTATABLE SET: THERMOSTATABLE SIMPLE-REGULATING VALVE PART + LIQUID SENSOR HARMONY HEAD + LOCKSHIELD

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

Male angle connection

DESCRIPTION			HAUTE/DOV	ARTICLE
radiator	pipe	head	UNITS/BOX	ARTICLE
3/8" N	Л24 x 1,5*	M28 x 1	28	CJ68195
1/2" N	Л24 x 1,5*	M28 x 1	28	CJ68196



THERMOSTATABLE SET: THERMOSTATABLE SIMPLE-REGULATING VALVE PART + LOCKSHIELD

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

Male angle connection

	DESCRIPTIO	N	UNITS/BOX	ARTICLE	
radiator	pipe	head	ONITS/BOX	ARTICLE	
3/8"	M24 x 1,5*	M28 x 1	28	CJ68295	
1/2"	M24 x 1,5*	M28 x 1	28	CJ68495	



THERMOSTATABLE SET: THERMOSTATABLE DOUBLE-REGULATING VALVE PART + LIQUID SENSOR EROSO HEAD

Female angle connection

C	ESCRIPTIO	ON	UNITS/BOX	ARTICLE	
radiator	pipe	head	UNITS/BUX	ARTICLE	
3/8"	3/8"	M28 x 1	50	CJ68001	
1/2"	1/2"	M28 x 1	50	CJ68000	

ARTICLE

ARTICLE

1816

MONO-TUBE

- With incorporated inlet probe
- Thermostat head not included

- Manual handle that can be easily substituted for thermostat head
- Accessories not included

THERMOSTATABLE VALVES

WALL-RADIATOR



REDUCED SPACES* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

I	hermos ⁻	tatab	le r	nale	connection	n

	DESCRIPTIO	N	u/BOX	ARTICLE
radiator	pipe	head	u/BOX	
1/2"	M24 x 1,5	M28x1	20	52390



STANDARD

- * Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)
- * NOTE: For Ø18 copper pipe

DESCRIPTION		u/BOX	ARTICLE	
radiator	pipe	head	u/BOX	ARTICLE
1/2"	M24 x 1,5	M28x1	20	52710
1/2"	M26 x 1,5*	M28x1	20	53710
3/4"	M24 x 1,5	M28x1	20	52730

TOWEL-RAIL RADIATORS



FLOOR OUTLET

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)



WALL OUTLET

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

Thermostatable male connection

DESCRIPTION			u/BOX	ARTICLE	
radiator	pipe	head	u/BOA	ARTICLE	
1/2"	M24 x 1,5	M28x1	20	52510	

DESCRIPTION		/POV	ARTICLE		
radiator	pipe	head	u/BOX	ARTICLE	
Straight h	ead				
1/2"	M24 x 1,5	M28x1	20	52310	
Left head					
1/2"	M24 x 1,5	M28x1	20	52110	

BI-TUBE

- 100% radiator derivation (only suitable for bi-tube installations)
- With incorporated inlet probe

- Thermostat head not included
- Accessories not included

TWO-PIPE INSTALLATIONS WITH MONO-TUBE FORMAT



REDUCED SPACES

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

Thermostatable male connection for copper pipe, PER, multi-layer and polybutylene

DESCRIPTION			··/POV	ARTICLE
radiator	pipe	head	u/BOX	ARTICLE
1/2"	M24 x 1,5	M28x1	20	52490



* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

84

DESCRIPTION			/POV	ARTICLE
radiator	pipe	head	u/BOX	ARTICLE
1/2"	M24 x 1,5	M28x1	20	52720

SIMPLE-ADJUSTMENT BI-TUBE

- O-ring and metal mixed-closure cuff
- Handle protection hood

• Sleeve joint to radiator area without sealing ring (conical thread): MC available. Consult us

DESCRIPTION

COPLINE





CONNEC	CTION
FEMALE	ANGL

CONNECTI FEMALE ST

radiator	hihe		
3/8"	3/8	60	1115
1/2"	1/2	60	1125
3/4"	3/4	60	1135

u/BOX

CONNECTION
FEMALE STRAIGHT

DESCRIPTION		u/BOX	ARTICLE
radiator	pipe	u/ box	ARTICLE
3/8"	3/8	60	1116
1/2"	1/2	60	1126
3/4"	3/4	60	1136

UREPEL





CONNECTION MALE ANGLE

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

CONNECTION MALE STRAIGHT

* Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

DESCRIPTION		u/BOX	ARTICLE	
radiator	pipe	u/BOA	ARTICLE	
3/8"	M24 x 1,5*	60	81210	
1/2"	M24 x 1,5*	60	82210	

DESC	RIPTION	u/BOX	ARTICLE	
radiator	pipe	u/BOX	ARTICLE	
3/8"	M24 x 1,5*	60	81310	
1/2"	M24 x 1,5*	60	82310	

WEDLINE



CONNECTION
FOR WELDING ANGLE

DESCR	IPTION	u/BOX	ARTICLE
radiator	pipe	U/BOX	ARTICLE
1/2"	Ø15	60	1325

MONO-TUBE

- Total closure
- 100% radiator derivation
- With incorporated inlet probe

- Maintains a constant pressure drop, irrespective of inlet and outlet directions
- Accessories not included

DESCRIPTION

M24 x 1,5

1/2"

85

UNILINE



CONNECTION

- MALE SIMPLE-REGULATING * Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)
- * NOTE: For Ø18 copper pipe

1/2	IVIZO X 1,5°	20	1817



CONNECTION

* NOTE: For Ø18 copper pipe

MALE DOUBLE-REGULATING * Pipe connection: Ø12÷20 (PER, Multi, PB) 12÷16 (copper)

5250.		u/BOX	ARTICLE
radiator	pipe	u/BOA	ARTICLE
1/2"	M24 x 1,5	20	1865
1/2"	M26 x 1,5*	20	1866

Orkli

• Sleeve joint to radiator area without sealing ring (conical thread): MC available. Consult us

MALE STRAIGHT

• O-ring and metal mixed-closure cuff

FOR MANUAL AND THERMOSTAT VALVES



T	Ø12÷20 (PER, Multi, PB) 12÷16 (copper)	3/8" 1/2"	M24 x 1,5 M24 x 1,5	60 60	87310 88310
		DESC	RIPTION	u/BOX	ARTICLE
	CONNECTION	radiator	pipe	u/BOX	ARTICLE
500	FOR WELDING ANGLE	1/2"	Ø15	60	1425

M24 x 1,5

60

87310

LOCKSHIELD PANEL

	DESCRIPTION		RIPTION	u/BOX	ARTICLE
	SINGLE-PIPE FLOOR OUTLET:	radiator	pipe	u/BOX	ARTICLE
TOTAL	MALE CONNECTION Ø12÷20 (PER, Multi, PB) 12÷16 (cobre)	1/2"	M24 x 1,5	40	52550
		DESCRIPTION		u/BOX	APTICLE
	SINGLE-PIPE WALL OUTLET:	radiator	pipe	u/BOX	ARTICLE
	SINGLE-FIFE WALL OUTLET.				

CONNECTION TO PIPE

• Includes 2 units per bag

		DESCRIPTION	BAG/BOX	ARTICLE
To all	MALE CONNECTION FOR MULTILAYER PIPE Larger sealing surface with double seal. Reduces leakage probability by 80%.	M24 x 1,5 Ø 16 x 2mm	30	V-01030
	MALE CONNECTION	DESCRIPTION	BAG/BOX	ARTICLE
	MALE CONNECTION FOR MULTI-LAYER PIPE	M24 x 1,5 Ø 16 x 2mm	30	E-13727
	Sleeve with joints, O-ring, ring	M24 x 1,5 Ø 18 x 2mm	30	E-13667
	and fitting	M24 x 1,5 Ø 20 x 2mm	30	E-13670
		DESCRIPTION	BAG/BOX	ARTICLE
	MALE CONNECTION	M24 x 1,5 Ø 16 x 1,5mm	30	E-13679
	FOR PER PIPE	M24 x 1,5 Ø 16 x 1,8mm	30	E-15700
	Sleeve, O-ring, ring	M24 x 1,5 Ø 16 x 2mm	30	E-13768
	and fitting	M26 x 1,5 Ø 20 x 1,9mm	30	E-18873
		DESCRIPTION	BAG/BOX	ARTICLE
	MALE CONNECTION	M24 x 1,5 Ø 12 (red)	40	E-5135
000	FOR COPPER PIPE	M24 x 1,5 Ø 12 (red) M24 x 1,5 Ø 14 (green)	40	E-5137
	Sleeve, O-ring, bi-cone	M24 x 1,5 Ø 15 (brown)	40	E-5139
	and fitting	M24 x 1,5 Ø 16 (yellow)	40	E-5141
		M26 x 1,5 Ø 18 (white)	40	E-5427
		DESCRIPTION	BAG/BOX	ARTICLE
	MALE CONNECTION	M24 x 1,5 Ø 12	80	E-14000
	FOR COPPER PIPE	M24 x 1,5 Ø 14	80	E-14001
	Quick fitting for copper pipe.	M24 x 1,5 Ø 15	80	E-14002
	Includes two units per set	M24 x 1,5 Ø 16	80	E-14003
		DESCRIPTION	BAG/BOX	ARTICLE
	MALE CONNECTION	M24 x 1,5 Ø 16 x 1,8mm	30	E-15700
3	FOR POLYBUTYLENE Sleeve, O-ring, ring and fitting	M24 x 1,5 Ø 15 x 1,7mm	30	E-13816
	and munig			
		DESCRIPTION	BAG/BOX	ARTICLE
		½" M-Connection accessory	00-	
	DIDE COMMESSION SITTING	Orkli M24x1.5	300	E-13062
	PIPE CONNECTION FITTING	M24 • 1,5 - M24 • 1,5 M24 • 1.5 Male -	300	E-23859
		1V12+ - 1.5 IVIAIC -		

CONNECTION TO RADIATOR

			DESCRIPTION	u/BOX	ARTICLE
	1/2" TELESCOPIC CUFF	1/2" telescopic cuff - 20mm	-	E-19733	
F		20mm in length (standard Orkli cuff measurement - 2mm. + 18mm.). 1/2" connection to radiator. Radiator closure area via	3/8" telescopic cuff - 20mm 1/2" valve outlet	-	E-20185
		watertight joint			
		watertight joint	DESCRIPTION	u/BOX	ARTICLE
		ACCESSORIES FOR	DESCRIPTION 35mm copper guide bridge for single-tube valve installations	u/BOX	ARTICLE E-19863

ACCESSORIES _____



		DESCRIPTION	u/BOX	ARTICLE
The state of the s		Double trim	50	19000313
	TRIMS	Simple trim	100	19000304
		DESCRIPTION	u/BOX	ARTICLE
	DRAINER Metallic. Manual rubber filter	1/8"	25	19000322
		DESCRIPTION	u/BOX	ARTICLE
/Pa-	ANGLE FLOAT DRAINER	1" right	100	D-7075
		1" left	100	D-7076
		DESCRIPTION	u/BOX	ARTICLE
	DIFFERENTIAL PRESSURE VALVE	1" straight	10	V-01121
		DESCRIPTION	u/BOX	ARTICLE
GO .	VALVE FOR DOMESTIC WATER BOILER CONNECTION	1/2 M - 1/2 F with loose nut	80	91199-01
		DESCRIPTION	u/BOX	ARTICLE
	VALVE FOR HEATING BOILER CONNECTION	3/4 M - 3/4 F with loose nut	70	91399-00
_		DESCRIPTION	u/BOX	ARTICLE
	VALVE FOR GAS BOILER CONNECTION	1/2 M - 1/2 F with loose nut	80	91097-01

HYDRAULIC MODULES FOR RADIATORS WITH INTEGRATED TAPS

- Regulation and isolation by ball valves
- Connection to radiator using 3/4" female loose nut (convertible to 1/2" male)
- For copper pipe, PER, multi-layer and polybutyleneFor bi-tube installations
- Accessories not included

		DESCRIPTION	u/BOX	ARTICLE
8-8	MODEL FOR FLOOR OUTLET	H3/4" - M24 (Standard Orkli Connection)	50	80020
		DESCRIPTION	u/BOX	ARTICLE
	MODEL FOR WALL OUTLET	H3/4" - M24 (Standard Orkli Connection)	50	80023

COMPONENTS

_			DESCRIPTION	ARTICLE
60	PLUG WITH JOINT	-		V-06280
			DESCRIPTION	ARTICLE
	BALL VALVE	-		V-06313
_			DESCRIPTION	ARTICLE
	DRAINER	-		V-06277
_00			DESCRIPTION	ARTICLE
	T-SHAPED TAP	-		V-06278
<u></u>			DESCRIPTION	ARTICLE
	DRAIN COCK	-		V-06279

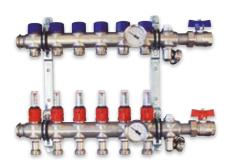
Orkli

ADVANTAGES

CUSTOM COMBINATIONS

DISTRIBUTION EQUIPMENT WITH FLOW REGULATOR

- DN32 rust-proof manifolds
- With shut-off vales (3/4" connection)
- Thermostat valves incorporated into the return circuit and flowmeters into the supply circuit
- It incorporates a thermometer, fill valve/drain cock and manual drainer in both branches



- Outlet screw cap: 3/4" Eurocone
- Distance between outlets: 50mm
- It incorporates metal manifold supports
- Distance between branches: 200mm

SM1002S	2 ways
SM1003S	3 ways
SM1004S	4 ways
SM1005S	5 ways
SM1006S	6 ways
SM1007S	7 ways
SM1008S	8 ways
SM1009S	9 ways
SM1010S	10 ways
SM1011S	11 ways
SM1012S	12 ways

COMPONENTS FOR INLET AND OUTLET



DIFFERENTIAL PRESSURE VALVE

V-01121

1"straight, 10u/box

CABINETS



PLASTIC

• Supports included

E-18620	320 x 269 x 80mm
E-18621	410 x 269 x 80mm
E-18622	510 x 269 x 80mm
F-22510	610 x 310 x 80mm



METAL. FRAMED FOR EMBEDDING

- Adjustable depth between 90 and 130mm with incorporated lock
- Galvanised steel
 Colour: white (RAL 9010), with anti-corrosion
- treatment
 More robust
- Manifold height variable within cabinet
- 1005090
 401 x 524mm

 1006090
 540 x 524mm

 1007090
 690 x 524mm

 1008090
 840 x 524mm

 1009090
 990 x 524mm

- Simple and quick assembly
- Supplied in folded boxes, so that assembly can be carried out whenever desired

Below are instructions on how to choose a cabinet based on the manifold type.

FLOW REGULATOR RUST-PROOF MANIFOLDS - MANUAL THERMOSTAT AND LOCKSHIELD DRIVE - MANUAL THERMOSTAT DRIVE



No. of ways	Manifold dimension	Metal cabinet width dimension	Metal cabinet width dimension
		WITHOUT junction box	WITH junction box
2	264mm	401mm	401mm
3	294mm	401mm	540mm
4	344mm	401mm	540mm
5	394mm	540mm	540mm
6	444mm	540mm	690mm
7	494mm	540mm	690mm
8	544mm	690mm	690mm
9	594mm	690mm	840mm
10	644mm	690mm	840mm
11	694mm	840mm	840mm
12	744mm	840mm	990mm

MODULAR MANIFOLDS



No. of ways	Manifold dimension	Metal cabinet width dimension	Metal cabinet width dimension
		WITHOUT junction box	WITH junction box
2	297mm	401mm	540mm
3	344mm	401mm	540mm
4	391mm	540mm	540mm
5	439mm	540mm	690mm
6	487mm	540mm	690mm
7	534mm	690mm	690mm
8	582mm	690mm	840mm
9	629mm	690mm	840mm
10	676mm	840mm	840mm
11	724mm	840mm	990mm
12	772mm	840mm	990mm

3/4" MALE MANIFOLDS



No. of ways	Manifold dimension	Plastic cabinet width dimension	
2	166mm	335mm	
3	204mm	335mm	
4	242mm	335mm	
5	282mm	335mm	
6	322mm	410mm	
7	359mm	410mm	
8	398mm	510mm	
9	436mm	510mm	
10	478mm	510mm	
11	516mm	610mm	
12	554mm	610mm	





- Easy to install
- Easily adaptable to all users' needs
- Ideal for use with renewable energy heating installations
- Instant generation of domestic hot water
- Stainless steel heat exchanger
- Domestic hot water capacity
- Flow switch activation = 2l/min

- Low temperature in water return from primary, secured (to improve stratification)
- Connection available for an optional DHW circulation system



 DHW temperature controlled by means of a thermostat valve which acts upon the 3-outlet primary circuit mixing valve to regulate flow towards the exchanger
 Recirculation kit not included \$4000003





• Electronically controlled DHW temperature

- Primary pre-mixer with thermostat control, for greater control of primary inlet temperature and thus prevent lime deposits
- Recirculation kit not included

S4000005

ELECTRONIC FRESH WATER STATION



RECIRCULATION KIT
FOR FRESH WATER STATION



DOMESTIC WATER
ELECTRONIC RECIRCULATION KIT
FOR ELECTRONIC FRESH WATER STATION

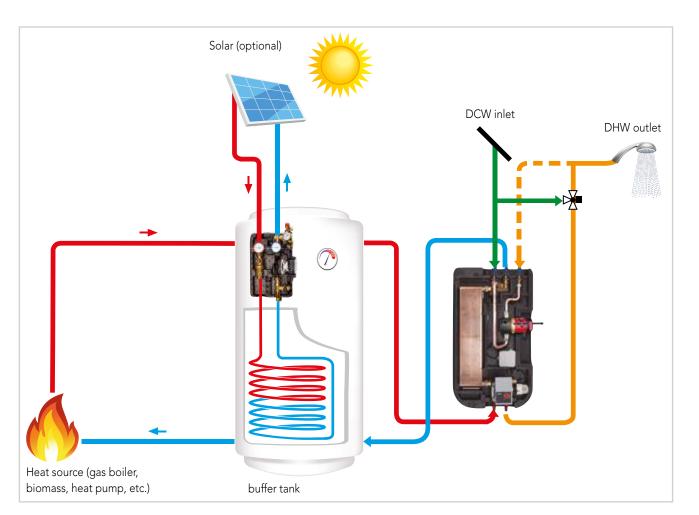
- The included components are:
- high-efficiency domestic water pump with "AutoAdapt" function
- connection pipes and fittings to the Fresh Water Station
- anti-return and supply tap

V-04219

c water

- The included components are:
- high-efficiency domestic water pump
- connection pipes and fittings to the Fresh Water Station
- anti-return and supply tap

V-06393



INDIRECT EXCHANGE KIT

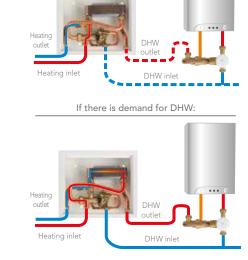
The indirect exchange kit is geared towards centralised installations with distributed support. Each home has an individual support power system and its own interior distribution circuit for supplying domestic water.

- Dimensions: 350 x 300 x 115mm
- Exchanger power: 35kW
- Activation flow: 2l/min
- Maximum operating DHW flow: 15l/min
- Maximum operating heating flow: 201/min
- Maximum DHW pressure: 15bar
- Maximum heating temperature: 70°C

• Connections: ¾"M



S40000002



If there is no demand for DHW:



\$40000006

ARTICLE

30323200

• H-H / On-demand M-M option

IMPORTANT INFORMATION FOR REPLACEMENT

()



VALVE PART	
2 WAYS	

DESCRIPTION	u/BOX	ARTICLE
1/2"	10	39104000
3/4"	10	39204000
1"	10	39304000



VALVE PART 3 WAYS
3 WATS

DESCRIPTION	u/BOX	ARTICLE
1/2"	10	49104000
3/4"	10	49204000
1"	10	49304000

- Motor 240V 50Hz
- Motor 24V 50/60Hz
- Spring return

- Cable length: 60cm
- Suitable for water with 50% glycol additive
- Fluid temperature -20° to 160°C

ACTUATOR PREVIOUS MODEL

DESCRIPTION	u/BOX	ARTICLE
Without 240V micro	10	50011200
With 240V micro	10	50021200



ACTUATOR **NEW MODEL**

DESCRIPTION	u/BOX	ARTICLE
Without 240V micro	10	50014200
With 240V micro	10	50024200
Without 24V micro	10	55014200
With 24V micro	10	55024200

NOT DETACHABLE

HIGH KV NORMALLY CLOSED IN A

ADVANTAGES

- Less pressure drop than standard
- Availability of greater flow
- Motor: 240V 50Hz
- Spring return
- Suitable for solar and heating system primary circuits
- Suitable for water with 50% glycol additive
- Fluid temperature: -20° to 160°C

3 WAYS M-M



WITHOUT LIMIT MICRO: 3
WIRES
Cable length 1.6m

DESCRIPTION	u/BOX	ARTICLE
1"	10	20713900

3 WAYS F-F



WITHOUT LIMIT MICRO: 3
WIRES
Cable length 60cm

94

DESCRIPTION	u/BOX	ARTICLE
1"	10	20313200

NORMALLY CLOSED IN A

Universal range

- Meets all needs, including solar needs
- Fewer references, greater solutions
- Motor: 240V 50Hz
- Spring return.
- Cable length: 60cm

- Suitable for water with 50% glycol additive
- Fluid temperature -20° 160°C

2 WAYS F-F



WITHOUT LIMIT MICRO:	1/2"	10	30113200
3 WIRES	3/4"	10	30213200
	1"	10	30313200
	DESCRIPTION	u/BOX	ARTICLE
WITH LIMIT MICRO: 5 WIRES	1/2"	10	30123200
	3/4"	10	30223200

DESCRIPTION

3 WAYS F-F



		DESCRIPTION	u/BOX	ARTICLE
WITHOUT LIMIT MICRO: 3 WIRES	1/2"	10	40113200	
	3/4"	10	40213200	
		1"	10	40313200
CALL CO.		DESCRIPTION	u/BOX	ARTICLE
WITH LIMIT MICRO: 5 WIRES	1/2"	10	40123200	
	3/4"	10	40223200	
	1"	10	40323200	

2 WAYS M-M



WITHOUT LIMIT MICRO
3 WIRES

DESCRIPTION	u/BOX	ARTICLE
3/4"	10	30613200
1"	10	30713200

3 WAYS M-M



	DESCRIPTION	u/BOX	ARTICLE
WITHOUT LIMIT MICRO: 3 WIRES	3/4"	10	40613200
	1"	10	40713200







	CALIBRATED AT 3 BAR FOR	DESCRIPTION	u/BOX	ARTICLE
		1/2" F-F (NF)	50	17003-00
	HEATING SYSTEMS	1/2" F-F with outlet (NF)	50	17004-00
₹ 3		1/2" F-F with manometer (NF)	50	17004-01
<u> </u>	SOLAR Safety valves for solar installation	DESCRIPTION	u/BOX	ARTICLE
		1/2" F - 3/4" F (3 bar)	50	17175-00
		1/2" F - 3/4" F (6 bar)	50	17177-00
	primary circuits. Suitable for operating with 50% water-glycol mixture. Maximum operating temperature: 160 °C. Approval for solar safety valves: TÜV SV 12 2012 • SOL • 50. Other calibration options upon request	1/2" F - 3/4" F (8 bar)	50	17178-00





- Universal Range (Coupling and anti-limestone protection dimensions)
- Optimisation of functions:
- Ergonomic ball valve with the possibility of drive with 8 Allen key
- Fastening for the ¾" heater connection by means of a hexagon, with optimised faces for good grip
- The new safety valve can be more easily and effortlessly driven thanks to its new
- Safety valve pressure: 7bar ±0.35

• Maximum temperature: 85°C







STANDARD SERIES



TRAIGHT DRAIN:	
ERTICAL CONNECTION	

DESCRIPTION	u/BOX	ARTICLE
3/4" 7K straight	20	GS1110000
3/4" 7K straight + 1/2" fitting	20	GS1130000



ORIENTABLE DRAIN:
HORIZONTAL CONNECTION

DESCRIPTION	u/BOX	ARTICLE
3/4" 7K elbow	20	GS1310000
3/4" 7K straight + 1/2" fitting	20	GS1330000

UNIVERSAL SERIES (ANTI-LIMESCALE)



RAIGHT DRAIN:	
ERTICAL CONNECTION	

DESCRIPTION	u/BOX	ARTICLE
3/4" elbow universal anti-limesc	ale 20	GS21100001
3/4" elbow universal anti-limesc	ale	
+ fitting 1/2"	20	GS21300001



ORIENTABLE DRAIN: HORIZONTAL CONNECTION

DESCRIPTION	u/BOX	ARTICLE
3/4" elbow universal anti-limesc	ale 20	GS23100001
3/4" elbow universal anti-limesc	ale	
+ fitting 1/2"	20	GS23300001

ACCESSORIES



	DESCRIPTION	u/BOX	ARTICLE
SIPHON	Siphon to safety group	-	E-12236





THE MOST
INNOVATIVE
LOGISTICS
MANAGEMENT
SYSTEM ON THE
MARKET

THE CHALLENGE FOR COMPANIES THAT WANT TO MAKE
A DIFFERENCE BY ADDING VALUE TO THEIR BRAND, IS TO
IMPROVE SERVICE AND CUSTOMER RESPONSE...

THE SOLUTION IS EKANBAN BY ORKLI



EKANBAN has developed a digital tool that aims to facilitate supply chain management by controlling consumption in real time, thus optimizing the flow of information and material between customers and suppliers. A personalized system adapted to the characteristics of each organization that will allow a more agile, effective and competitive response to supply needs.

A highly qualified team accompanies our customers throughout the implementation process, from evaluation and analysis of the project to its final installation.

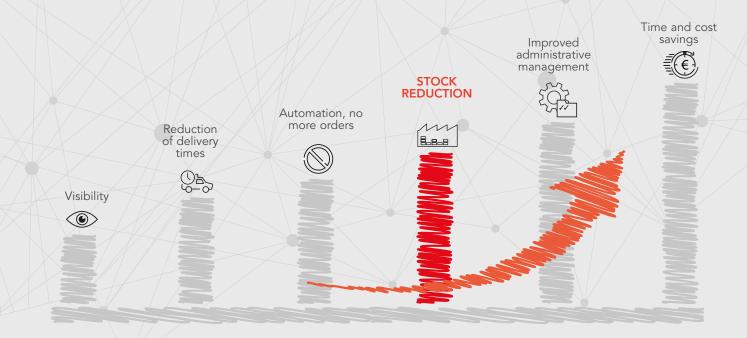
DO YOU WANT TO REDUCE YOUR STOCKS BY UP TO 60%

CAN YOU IMAGINE WHAT IT
WOULD BE LIKE TO REDUCE
TO THE MINIMUM, THE TIME
CATERED TO PLANNING
AND MANAGEMENT OF
ORDERS

WOULD YOU BET ON A **SYSTEM**THAT WOULD **GUARANTEE** THAT
YOU'LL NEVER HAVE A STOCKOUT

WOULD YOU LIKES
US TO HELP YOUR
COMPANY TO
BECOME A BENCHMARK
IN THE INDUSTRY

If so, ORKLI has an **smart logistics service** that will enable you to enjoy these benefits.





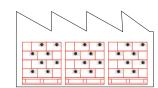


OVERALL
IMPROVEMENT
OF THE
COMPANY'S
IMAGE AND
MANAGEMENT

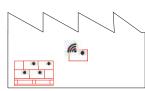
IMPROVED STOCK MANAGEMENT AND ORDER PLANNING

- Enables you to provide a more agile, effective and competitive response
- Offers the security of having the supply always guaranteed
- Avoids human and manual errors
- Prevents loss and theft
- Provides visibility of stock and material consumed in real time
- Guarantees supply, keeping inventory levels to a minimum
- Intuitive and easy to use tool

Traditional system model



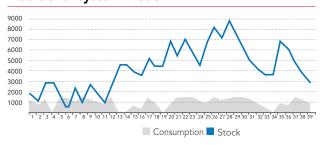
Ekanban Solution



COST **SAVINGS**

- Continuous cost savings in stock and order management of up to 60%*
- Reducing stock levels to the absolute minimum required
- Minimizing the time spent on planning and supply management
- Optimizes consignment warehouse management
- Optimizes logistics, considerably reducing the need for urgent transport

Traditional system model



Ekanban Solution 9000 8000 7000 6000 5000 4000 11'2'3'4'5'6'7'8'9 \0'11'12'13'14'15'16'17'18'19'20'21'22'23'24'25'26'27'28'29'30'31'32'33'34'35'36'37'38'39' Consumption ■ Stock

OVERALL IMPROVEMENT OF THE COMPANY'S IMAGE AND MANAGEMENT

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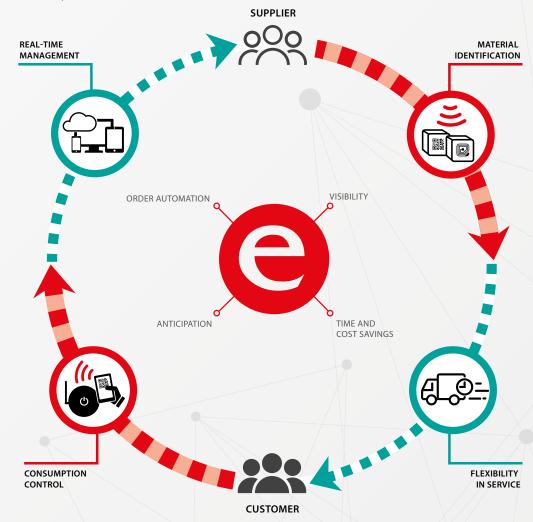
- Builds bonds and enhances customer-supplier relationships
- System easy to install and use
- Stimulates self-management of the supplier
- Makes the internal planning of the company more efficient
- Makes the company's value chain more efficient
- Compatible with proprietary systems and workflows
- Benefits that will make your company a benchmark in the industry

EASY INSTALLATION. NO NEED TO ACCESS SERVERS OR NETWORKS

Ekanban can be applied to both between suppliers and customers within the company and between different players in the supply chain.

HOW DOES IT WORK?

- Identification material: QR or RFID
- Order shipping instruction
- A consumption by the customer
- Automatic consumptions/orders



OTHER COMPANIES ALREADY PROFITING FROM THE BENEFITS OF EKANBAN

System monitoring and maintenance service to numerous leading businesses in their industries and in different countries around the world.





BOSCH





SERVICES

^{*} Orkli does not guarantee this reduction, as these results depend on each organization.







	DESCRIPTION	ARTICLE		
ORKLI REGULAT		ARTICLE		
ORREI REGOLA				
-	Pump	V-06435		
	Variable point motorized part	E-18683		
	Variable point motorized part with External temperature	V-05169		
	Set point Thermostatic Head	V-06434		
STAINLESS STEI	EL COLLECTORS			
O ,	Thermometer	V-05352		
	Thermostatic coupling	V-05350		
The last	Flow regulator	V-05351		
0	Stainless steel holder	V-05003		
MODULAR COL	LECTORS			
	Flow regulator	V-07374		
	Thermostatic coupling	V-07375		
	Purger	V-07376		
MODULAR COL	LECTORS (models until 2016)			
	Thermostatic coupling	E-25092		
BRASS COLLECTORS				
	Thermostatic coupling	E-24881		
METAL CABINE	тѕ			
	Guide	V-04012		

DESCRIPTION		ARTICLE
SOLAR		
	Complete top assembly	V-04338
	Electric box	V-04339
	Sensor + thermostatic head	V-04340
	Fluxostat	V-05667
	Yonos Para ST15/13	V-05929
	Yonos Para ST15/7	V-02634
	Stratos Para 25/1-9 PWM	V-05504
	Yonos Para HU 15/6 RKC	V-04337

ZONE VALVE

240V Motor	V-05369
24V Motor	V-05368

THERMOCOUPLES





ART	TICLE .	DESCRIPTION	NUT CONNEC- TION TO VALVE	CUFF CONNEC- TION TO RADIATOR	u/BOX
VDR+THERM	OSTATIC				
0	F-7895-00	Nut for manual and thermostatizable valves (3/8" Female)	5/8"	-	20
	E-16338-00	Conical thread sleeve for manual and thermostatizable valves (3/8" Female)	-	3/8" cónico	20
	E-25343-00	Nut and sleeve set for manual and thermostatizable valves (3/8" Female)	5/8"	3/8"	20
0	F-7894-00	Nut for manual and thermostatizable valves (1/2" Male and Female)	3/4"	-	20
	E-16401-00	Conical thread sleeve for manual and thermostatizable valves (1/2" Male and Female)	-	3/8" cónico	20
	E-25345-00	Nut and sleeve set for manual and thermostatizable valves (1/2" Male and Female)	3/4"	3/8"	20
	E-16324-00	Conical thread sleeve for manual and thermostatizable valves (1/2" Male and Female)	-	1/2" cónico	20
	E-25347-00	Nut and sleeve set for manual and thermostatizable valves (1/2" Male and Female)	3/4"	1/2"	20
	E-23758-00	Nut and sleeve set for manual and thermostatizable valves for monotube and bitube systems in monotube format	1"	1/2"	20
	E-23828-00	Nut and sleeve set for manual and thermostatizable valves for monotube and bitube systems in monotube format	1"	3/4"	20
0	F-7900-00	Nut for manual valves 3/4", manual and thermostatizable valves for monotube and bitube systems in monotube format	1"	-	20

ARTICLE		DESCRIPTION	NUT CONNEC- TION TO VALVE	CUFF CONNEC- TION TO RADIATOR	u/BOX
VDR+THERMOSTATI	С				
F-79	07-00	Conical threaded sleeve for manual valves 3/4", manual and thermostatizable valves for monotube and bitube systems in monotube format	-	3/4" cónico	20
E-32	59-00	Pipette for monotube and bitube valves in monotube format with 1/2" sleeve except (Ref. 2390, 52290, 52490, 52590)	1"	1/2"	20
E-235	545-00	Pipette for monotube and bitube valves in monotube format with 1/2" sleeve Ref. 52390, 52290, 52490, 52590	1"	1/2"	20
E-19	01-00	Pipette for monotube and bitube valves in monotube format with 3/4" sleeve	1"	3/4"	20
E-253	353-00	HANDLE + COVER + SCREW for manual bitube valves	M6	-	6
V-087	749-00	WHITE HANDLE+ SCREW for monotube valves 4V manual	M6	-	6
V-087	750-00	BLACK HANDLE+ SCREW for monotube valves 4V manual	M6	-	6
V-02	2702	HANDLE for thermostatic valves	M28x1	-	6
F-51	24-00	LOCKSHIELD for bitube valves NICKELATED	M20x1	-	20
F-95	96-00	LOCKSHIELD for monotube valves NICKELATED M17x1	M17x1	-	20

GENERAL PURCHASING

CONDITIONS

The commercial relationships formed between Orkli and the customers will be conditioned by the points that follow:

PRICES

Valid except typo.

CANCELLATION

Orkli reserves the right to cancel any order in case the purchaser had previously unfulfilled any previous contract.

DELAYS BY SUPPLYING

Delays by supplying, being the cause not due directly to Orkli will not be enough cause to cancel an order or delay payment.

FAILURES

Failures due to the transport will not be attributed to Orkli.

QUANTITIES

At the time of order, the minimum quantities for each product determined in the lists must be respected.

RETURNS

No returns will be accepted without Orkli previous knowledge and authorisation.

• AMOUNT OF REFUND

A minimum of 20% of the amount of the refund will be deducted for the costs of receiving, testing, inspection etc., when this is attributable to the client.

MODIFICATION

Orkli reserves the right to make any modification in the characteristics, design and materials of its products without prior warning.

• THE RIGHT OF OWNERSHIP

Orkli reserves the right of ownership of any material sent but not paid for.

MATERIAL SUPPLIED

Orkli will not accept any material supplied that is outside the guarantee period, or which has been modified in any way.

GENERAL INFORMATION ON SERVICE

CONDITIONS

VALIDITY PERIOD FOR QUOTATION 90 calendar days from the date of delivery of the

90 calendar days from the date of delivery of the project.

MODIFICATION OF THE QUOTATION

The quote will be valid for as long as the specifications agreed with the client remain unchanged. Any modification made after delivery of the project will entail a revision of the quotation and the project.

QUOTATIONS

The quote will include various levels for each project. The client is free to choose a combination of the various quotes to suit their requirements.

CONDITIONS OF THE QUOTATION

This is a quotation for the supply of products. It is based on the project undertaken by Orkli S. Coop., on the basis of the information provided by the client and on the use of all Orkli products. If there is not enough data available to undertake the projects, Orkli reserves the right to use hypotheses for the missing data. If the client does not indicate that the data are wrong, Orkli will assume that they are correct. Orkli will not be responsible for any damages resulting from:

- Failure to comply with the specifications indicated in the technical documentation provided by Orkli S. Coop.
- The total or partial use of products that are not those of Orkli S. Coop.
- The improper or inappropriate handling, use, conservation or maintenance of products manufactured and supplied by Orkli S. Coop.
- The incorrect installation of products.
- The data supplied by the client not being confirmed or being erroneous, incorrect or incomplete. In the event of the quote being accepted, Orkli S. Coop. will only be responsible as the supplier of its own products.

January 2019



WARRANTY CONDITIONS

- UNDERFLOOR HEATING -

Commercial warranty provided by Orkli S. Coop. to developer companies as long as the conditions under which it is provided are complied with.

Orkli S. Coop. guarantees to the developer company that its manufactured products will be free from material and manufacturing defects, provided that these products are kept and used appropriately.

The only warranty for any defect in delivered products will be limited to repair or substitution, in accordance with Orkli S. Coop. criteria, of any faulty product. In accordance with this warranty, Orkli S. Coop.'s obligation will be limited to the repair or substitution, in accordance with its criteria, of any faulty part of the mentioned product which is in this state as a consequence of faulty materials and/or manufacturing of parts supplied by Orkli S. Coop., on the following terms: 15 years for plates, pipes and perimeter strip; 3 years for everything else. Under-warranty repair work must be carried out in repair facilities designated by Orkli S. Coop. Transport costs to the repair point will be covered by ORKLI S. Coop. on the condition that a manufacturing fault is confirmed.

The mentioned warranty substitutes any other express or implicit warranty. Orkli S. Coop. provides no warranty, express or implicit, for any product which has been repaired, modified or altered after delivery by any individual not authorised or approved by Orkli S. Coop. unless, in Orkli S. Coop.'s opinion, these repairs are not in any way the cause of the defect.

Orkli S. Coop. will proceed to repair or replace the faulty product provided that the following conditions are met:

- The fault is confirmed to be a manufacturing fault.
- The claim has been made within the aforementioned warranty time frames.
- Notification of defects is given by the client immediately and within the shortest possible time frame after the defect is discovered.
- The products are returned to the manufacturer within ten days after the manufacturer requests that they be returned in order to inspect them and/or repair or replace them.
- In the event of an incident caused by a third party (carrier, etc.) directly related to the manufacturer, where the claim has been indicated in the delivery documentation.
- All underfloor heating installation components must be from Orkli S. Coop. (plates, pipes, strips, manifolds).
- The developer company must complete the installation check list and send it to Orkli S. Coop., along with photos of the installation, immediately after finishing works (photos must be sent of all Orkli elements installed).

Excluding the provided warranty, Orkli S. Coop. has a product civil responsibility policy which guarantees 2 MILLION EUROS for possible damage caused by your product.



WARRANTY CONDITIONS

- OKSOL -

Commercial warranty provided by Orkli S. Coop. exclusively to its distributors only in cases of first-time purchases (second-hand purchases are excluded).

Orkli S. Coop. guarantees that its manufactured products will be free from material and manufacturing defects, on the condition that these products are kept and used appropriately.

The only warranty for any defect in delivered products will be limited to repair or substitution, in accordance with Orkli S. Coop. criteria, of any faulty product.

In accordance with this warranty, Orkli S. Coop.'s obligation will be limited to the repair or substitution, in accordance with its criteria, of any faulty part of the mentioned product which is in this state as a consequence of faulty materials and/or manufacturing, and/or of the faulty production of parts supplied by Orkli S. Coop.

This warranty will expire thirty-six months after the delivery date of the supplied parts. Under-warranty repair work must be carried out in repair facilities designated by Orkli S. Coop. Transport costs to the repair and replacement point will be covered by ORKLI S. Coop. on the condition that a manufacturing fault is confirmed.

The mentioned warranty substitutes any other express or implicit warranty

Orkli S. Coop. provides no warranty, express or implicit, for any product which has been repaired, modified or altered after delivery by any individual not authorised or approved by Orkli S. Coop. unless, in Orkli's opinion, these repairs are not in any way the cause of the defect.

Orkli S. Coop. will proceed to repair or replace the faulty product on the condition that:

- The fault is confirmed to be a manufacturing fault.
- The claim has been made within the aforementioned warranty time frame.
- Notification of defects is given by the client immediately and within the shortest possible time frame after the defect is discovered.
- The products are returned to the manufacturer within ten days after the manufacturer requests that they be returned in order to inspect them and/or repair or replace them.
- In the event of an incident caused by a third party (carrier, etc.) directly related to the manufacturer, where the claim has been indicated in the delivery documentation.



WARRANTY CONDITIONS

- GAMA BEROA -

Commercial warranty provided by Orkli S. Coop. exclusively to its distributors only in cases of first-time purchases (second-hand purchases are excluded).

Orkli S. Coop. guarantees that its manufactured products will be free from material and manufacturing defects, on the condition that these products are kept and used appropriately.

The only warranty for any defect in delivered products will **be limited** to **repair or substitution**, in accordance with Orkli S. Coop. criteria, of any faulty product, as well as replacement costs, excluding transport.

In accordance with this guarantee, Orkli S. Coop.'s obligation will be limited to the repair or substitution, in accordance with its criteria, of any faulty part of the mentioned product which is in this state as a consequence of faulty materials and/or manufacturing of parts supplied by Orkli S. Coop. This warranty will expire 60 months after the delivery date of the supplied parts. Under-warranty repair work must be carried out in repair facilities designated by Orkli S. Coop. Transport costs to the repair point will be covered by the client.

The mentioned warranty substitutes any other express or implicit warranty.

Orkli S. Coop. provides no warranty, express or implicit, for any product which has been repaired, modified or altered after delivery by any individual not authorised or approved by Orkli S. Coop. unless, in Orkli's opinion, these repairs are not in any way the cause of the defect.

Orkli S. Coop. will proceed to repair or replace the faulty product on the condition that:

- The fault is confirmed to be a manufacturing fault.
- The claim has been made within the aforementioned warranty time frame.
- Notification of defects is given by the client immediately and within the shortest possible time frame after the defect is discovered.
- The products are returned to the manufacturer within ten days after the manufacturer requests that they be returned in order to inspect them and/or repair or replace them.
- In the event of an incident caused by a third party (carrier, etc.) directly related to the manufacturer, where the claim has been indicated in the delivery documentation.



GENERAL WARRANTYCONDITIONS

Commercial warranty provided by Orkli S. Coop. exclusively to its distributors only in cases of first-time purchases (second-hand purchases are excluded).

Orkli S. Coop. guarantees that its manufactured products will be free from material and manufacturing defects, on the condition that these products are kept and used appropriately.

The only warranty for any defect in delivered products will be limited to repair or substitution, in accordance with Orkli S. Coop. criteria, of any faulty product.

In accordance with this warranty, Orkli S. Coop.'s obligation will be limited to the repair or substitution, in accordance with its criteria, of any faulty part of the mentioned product which is in this state as a consequence of faulty materials and/or manufacturing of parts supplied by Orkli S. Coop.

This warranty will expire thirty-six months after the delivery date of the supplied parts. Under-warranty repair work must be carried out in repair facilities designated by Orkli S. Coop. Transport costs to the repair point will be covered by the client.

The mentioned warranty substitutes any other express or implicit

Orkli S. Coop. provides no warranty, express or implicit, for any product which has been repaired, modified or altered after delivery by any individual not authorised or approved by Orkli S. Coop. unless, in Orkli's opinion, these repairs are not in any way the cause of the defect.

Orkli S. Coop. will proceed to repair or replace the faulty product on the condition that:

- The fault is confirmed to be a manufacturing fault.
- The claim has been made within the aforementioned warranty time frame.
- Notification of defects is given by the client immediately and within the shortest possible time frame after the defect is discovered.
- The products are returned to the manufacturer within ten days after the manufacturer requests that they be returned in order to inspect them and/or repair or replace them.
- In the event of an incident caused by a third party (carrier, etc.) directly related to the manufacturer, where the claim has been indicated in the delivery documentation.

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ORKLI, S. Coop.

Ctra. Zaldibia, s/n / E - 20240 Ordizia (Gipuzkoa) / Spain Tel.: + 34 943 08 85 00 / Fax: + 34 943 80 52 41

E-mail: cal@orkli.es www.orkli.com















