



**SOLAR
WATER HEATER**
catalogue

SUSTAINABLE DEVELOPMENT GOALS



The economic, social and environmental impacts generated through Ariston Group's operations contribute towards 9 of the 17 sustainable development goals, including:

Sustainable cities and communities

Ariston Group's commitment to energy-efficient solutions will enable citizens to use clean energy to its fullest potential. Replacing low-efficiency products with Ariston's new high-efficiency technologies will allow to curb carbon dioxide emissions by more than 3,4 Mln tons by 2022*.

Responsible consumption and production

All of our production plants around the world are at the centre of Ariston Group's energy efficiency plan. This consists in a long-term strategy that in 2019 allowed the Group to achieve a remarkable result: over 10,000 tons of CO2 equivalent avoided thanks to the energy efficiency of the production processes.

Climate action

During 2019 the Ariston Comfort Zone, a modular house equipped with Ariston's most advanced and efficient technology, enabled a group of researchers from the University of Copenhagen tasked with studying how climate change is affecting the Arctic ecosystem to conduct 22 new studies.



Together for a better world

The home of sustainable comfort

As a **leading specialist** in heating and water-heating with over 90 years of history, Ariston understands well the challenges in creating practical and high-performance products and systems that guarantee exceptional levels of comfort and efficiency. That is why it has set itself a new mission – **to give more homes access to sustainable comfort solutions** using less energy and effort.

To this end, it has further strengthened its commitment to delivering **high-quality, renewable and energy-efficient solutions** that can simplify and improve the quality of home life while empowering people to live more sustainably.

By successfully combining its global reach with an in-depth focus on the needs of the different markets where it has a presence, Ariston prides itself in being the home of sustainable comfort: a reference brand trusted worldwide by millions of families and industry professionals longing for advanced thermal comfort solutions that **not only are easy to use and maintain but also use as little energy as possible**.

Our story, driven by your needs

Ariston's continuous growth has been fueled by its commitment to provide people with reliable and highly-efficient comfort solutions to improve and enjoy life at home. Each step of the way we have been driven by the existing and emerging needs of our customers, and our solutions have been conceived with their lifestyle in mind.

1930

Foundation

Aristide Merloni founds "Industrie Merloni" company in the Marche Region of Italy, and starts the production of weighing scales.



1980 Heating

We consolidate our market leadership in water heating and the production of boilers begins.

1960 Water Heating

The Ariston brand is launched and the production of electric water heaters begins.



1988 Asia Market

Ariston South East Asia market with electric storage water heaters



1990 Global Expansion

With the launch in China and Russia, we begin to evolve into a global brand.

2014

Asia Pacific Hub Set Up

Opening an office in Indonesia, as a sign of expanding the market and strengthening the presence of the Ariston Group in Indonesia.



2000

Renewable Technologies

We successfully develop and launch our new model in heat pump, which marks our development into innovative



2021

Juventus Regional Partnership

The world renowned Italian Football club based in Turin join forces in Indonesia, signing a regional partnership. Both Ariston and Juventus share a common mindset: pursuing demanding challenges, seeking great results and success with determination, perseverance and teamwork.



2020

Ariston Comfort Challenge

With this mission, Ariston proved the ability of its products to guarantee exceptional performance, durability and efficiency's levels in every condition, even where it seems impossible. It was a huge challenge, but it was just the beginning.



2023

Brand Refresh

Definition of a new visual identity to get closer to our customers and to better convey our commitment to Sustainability. A tangible sign of our firm commitment to respect everything that surrounds us.



GLOBAL VISION, LOCAL ACTION

Ariston Thermo is the world's partner in energy efficient thermal comfort, with a strong and long established presence in Europe and emerging countries over time.

PRODUCTION SITES

Bahrein	Manama
Belgium	Namur
Canada	Saint John
	Sussex
China	Qingxi Town
	Wuxi
France	Chartres
	Vieux-Thann
Germany	Pirna
Italy	Albacina
	Arcevia
	Cerreto
	Follina
	Genga
	Osimo
	Resana
Mexico	Saltillo
Netherlands	Kerkrade
	Lichtenvoorde
	Saint Petersburg
Russia	
Serbia	Svilajnac
South Africa	Johannesburg
Tunisia	Tunisi
U.S.A.	Providence (2)
Vietnam	Hanoi



COMPANIES AND REPRESENTATIVE OFFICES

Argentina	Buenos Aires	Indonesia	Jakarta	Saudi Arabia
Austria	Vienna	Israel	Tel Aviv	Serbia
Bahrein	Manama	Italy	Arcevia	Singapore
Belarus	Minsk		Fabriano	Slovakia
Belgium	Anderlecht		Follina	South Africa
Canada	Saint John		Milan	Spain
China	Shanghai		Resana	Switzerland
Croatia	Zagreb		Varese	
Czech Republic	Prague	Kazakhstan	Almaty	
Denmark	Risskov	Mexico	Saltillo	Tunisia
Egypt	Cairo	Morocco	Casablanca	Turkey
France	Massy	Netherlands	Kerkrade	Ukraine
	Paris		Lichtenvoorde	United
	Vieux-Thann		Naarden	Arab Emirates
Germany	Frankfurt	Nigeria	Lagos	United Kingdom
	Hechingen	Poland	Kracow	
	Pirna	Portugal	Sintra	U.S.A.
Hungary	Budapest	Romania	Bucarest	Uzbekistan
India	Pune	Russia	Moscow	Vietnam





KAIROS THERMO

Endless comfort,
directly from the sun

Ariston commercial Solar water heaters provide flexible and powerful solutions for applications requiring huge water quantity.

- Kairos Thermo GR-2
- Kairos Thermo HF-2
- Kairos Thermo DR-2
- Kairos Thermo DR-2 CF

KAIROS THERMO GR-2



Natural circulation solar system for production of domestic hot water

/ Blue selective surface treatment grant 95% absorption and only 5% reflection.

Features

- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Safety valve and thermostat*

*Tank warranty : **10 years**

*Panel collector warranty : **7 Years**

TECHNICAL DATA

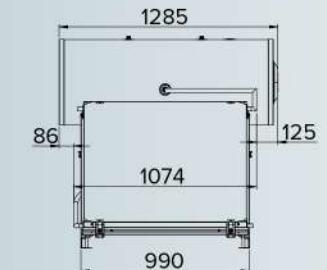
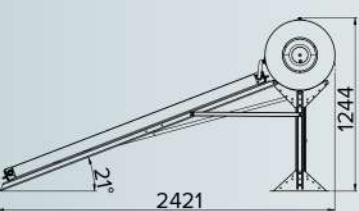
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Solar collectors						
Installation	Ground	Sloped roof	Ground	Sloped roof	Ground	Sloped roof
Number of collectors	1	1	1	1	1	1
Total gross area	1.88	1.88	1.88	1.88	3.76	3.76
Total absorber area	1.79	1.79	1.79	1.79	3.58	3.58
Empty mass	37	37	37	37	74	74
Solar circuit capacity	10	10	10	10	10	10
Storage tank						
Nominal Tank capacity	150	150	200	200	300	300
Circuit max pressure	8	8	8	8	8	8
Safety valve calibration	2.5	2.5	2.5	2.5	2.5	2.5
Insulation thickness	50	50	50	50	50	50
Heat loss	65	65	65	65	65	65
Nett weight	58	58	68	68	100	100

KAIROS THERMO GR-2

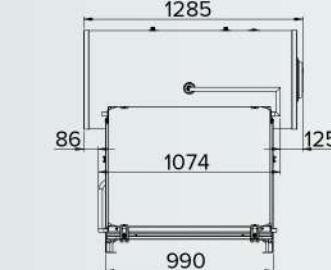
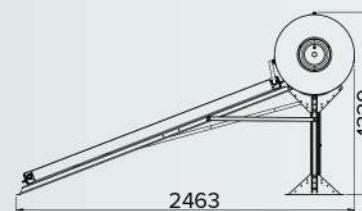
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DIMENSIONS OF GROUND SYSTEMS (mm)

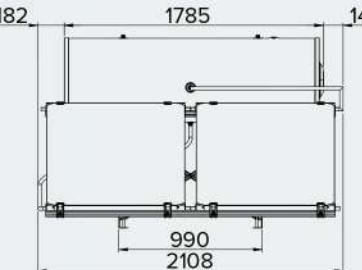
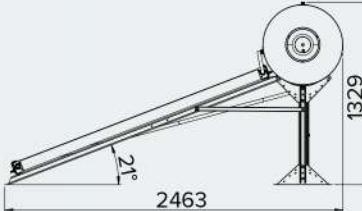
150 LITER 1 COLLECTOR



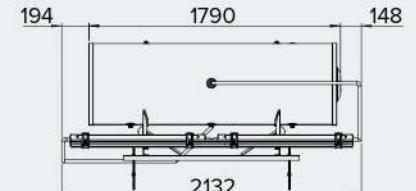
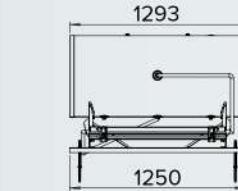
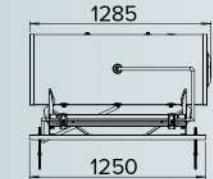
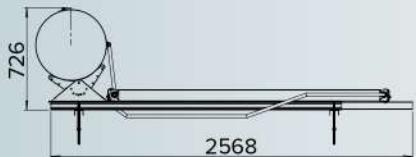
200 LITER 1 COLLECTOR



300 LITER 2 COLLECTOR



DIMENSIONS OF ROOF SYSTEMS (mm)



KAIROS THERMO HF-2



Natural circulation solar system for production of domestic hot water

- / New heat exchanger with 3x performance for faster water heating*
- / Increased rain penetration resistance for no-worry in any climate.

Features

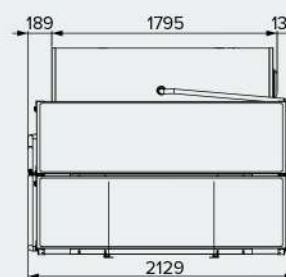
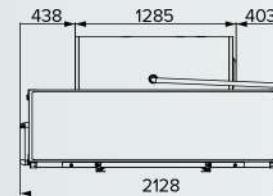
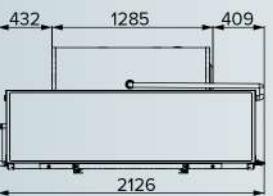
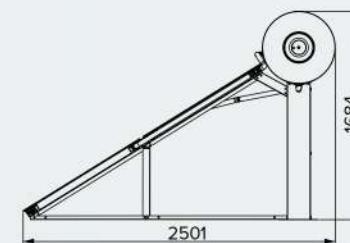
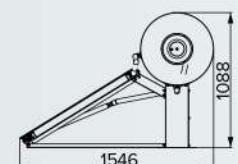
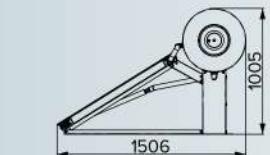
- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Safety valve and thermostat*

*Tank warranty : **10 years**

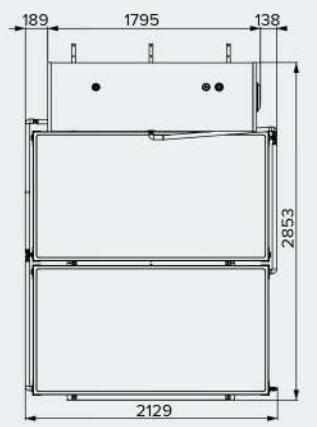
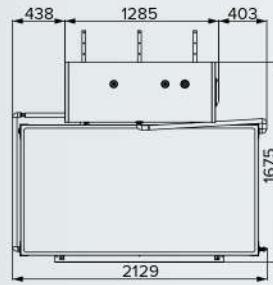
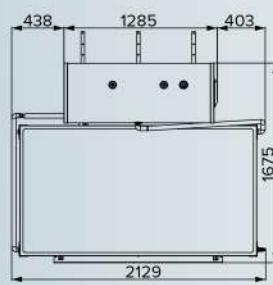
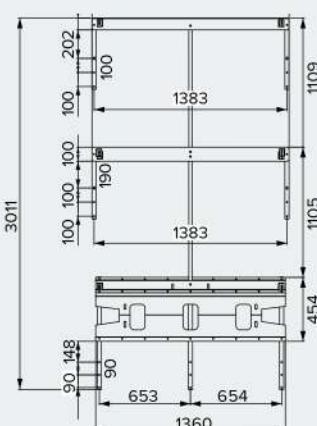
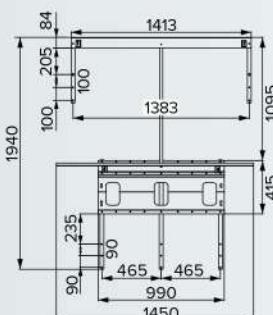
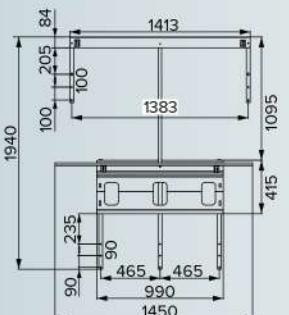
*Panel collector warranty : **7 Years**

TECHNICAL DATA	150-1 TR	150-1 TT	200-1 TR	200-1 TT	300-2 TR	300-2 TT
Solar collectors						
Installation	Ground	Slope roof	Ground	Sloped roof	Ground	Sloped roof
Number of collectors	1	1	1	1	2	2
Total gross area	2.2	2.2	2.2	2.2	2.2	2.2
Total absorber area	2.01	2.01	2.01	2.01	2.01	2.01
Empty mass	30	30	30	30	60	60
Solar circuit capacity	10	10	10	10	10	10
Storage tank						
Nominal Tank capacity	150	150	200	200	300	300
Circuit max pressure	8	8	8	8	8	8
Safety valve calibration	2.5	2.5	2.5	2.5	2.5	2.5
Insulation thickness	50	50	50	50	50	50
Heat loss	65	65	68	68	87	87
Nett weight	58	58	68	68	100	100
KAIROS THERMO HF-2						
CODE	3022449	3022450	3022451	3022452	3022455	3022456

DIMENSIONS OF GROUND SYSTEMS (mm)



DIMENSIONS OF ROOF SYSTEMS (mm)



KAIROS THERMO DR-2



Direct flat solar water heater

Renewable energy water heater as a result from Ariston's intensive research and development to improve efficiency through solar energy

Features

- / Refined design
- / Solar keymark certification
- / Tempered glass with low iron
- / Safety valve and thermostat*

*Tank warranty : **7 years**

*Panel collector warranty : **5 Years**



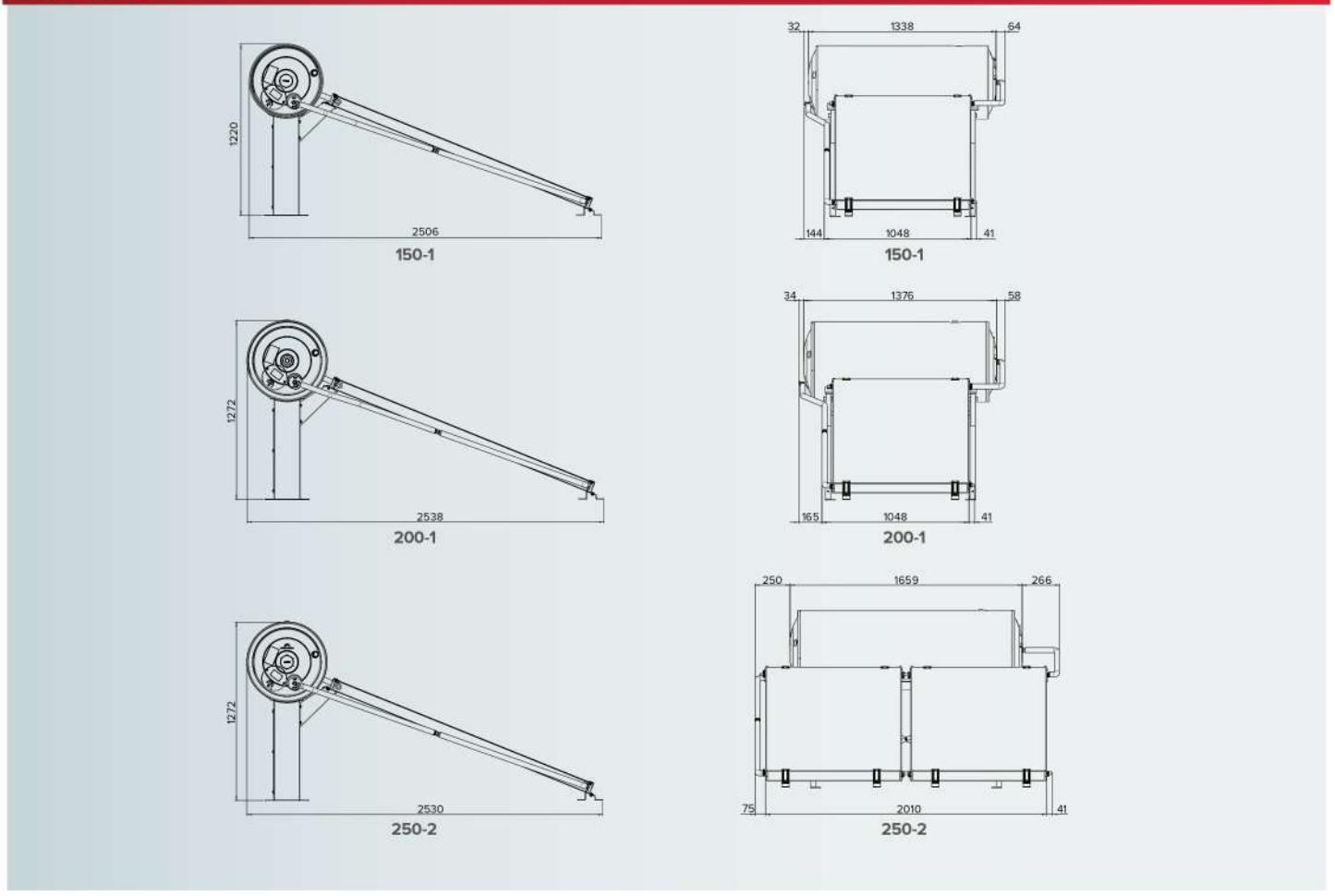
TECHNICAL DATA

	100-1 TR	100-1 TT	150-1 TR	150-1 TT	200-1 TR	200-1 TT	250-2 TR	250-2 TT
Solar collectors								
Installation	Ground	Sloped roof	Ground	Sloped roof	Ground	Sloped roof	Ground	Sloped roof
Number of collectors	1	1	1	1	1	1	1	1
Total gross area	m ²	2	2	2	2	2	4	4
Total absorber area	m ²	1.8	1.8	1.8	1.8	1.8	3.6	3.6
Empty mass	kg	30.6	30.6	30.6	30.6	30.6	61.2	61.2
Solar circuit capacity	lt	1.8	1.8	1.8	1.8	1.8	3.6	3.6
Storage tank								
Nominal Tank capacity	lt	150	150	150	200	200	300	300
Circuit max pressure	bar	6	6	6	6	6	6	6
Insulation thickness	mm	55	55	55	48	48	48	48
Heat loss	W	65	65	65	65	65	65	65
Nett weight	kg	34	34	44	44	51	61	61

KAIROS THERMO DR-2

	100-1 TR	100-1 TT	150-1 TR	150-1 TT	200-1 TR	200-1 TT	250-2 TR	250-2 TT
CODE	3022303	3022312	3022304	3022313	3022306	3022314	3022307	3022315

TECHNICAL DRAWING



*Solar keymark on collector

KAIROS THERMO DR-2 CF



Indirect flat solar water heater

ADVANCED PERFORMANCE

- / Optimal stratification process to achieve higher performances and a faster heating
- / More hot water thanks new tubes position for 300-2 model

EVERLASTING QUALITY

- / Each component of solar water heater (collector, tank and installation kit) is 100% made to last
- / Solar Keymark certification
- / Total safety guaranteed by solar circuit safety valve and thermostat*, by collector tempered glass and by installation kit robustness
- / Every single component and the complete solar water heater are carefully and strictly tested on quality, and performances

ITALIAN STYLE

- / Easy installation thanks to "insert and click" connections between collector and hydraulic kit
- / New funnel for an easy filling of solar circuit
- / Wide range of mounting kits to fit each kind of installation
- / Designed & produced in Italy

*only for electro solar version

*Tank warranty : **7 years**

*Panel collector warranty : **5 Years**



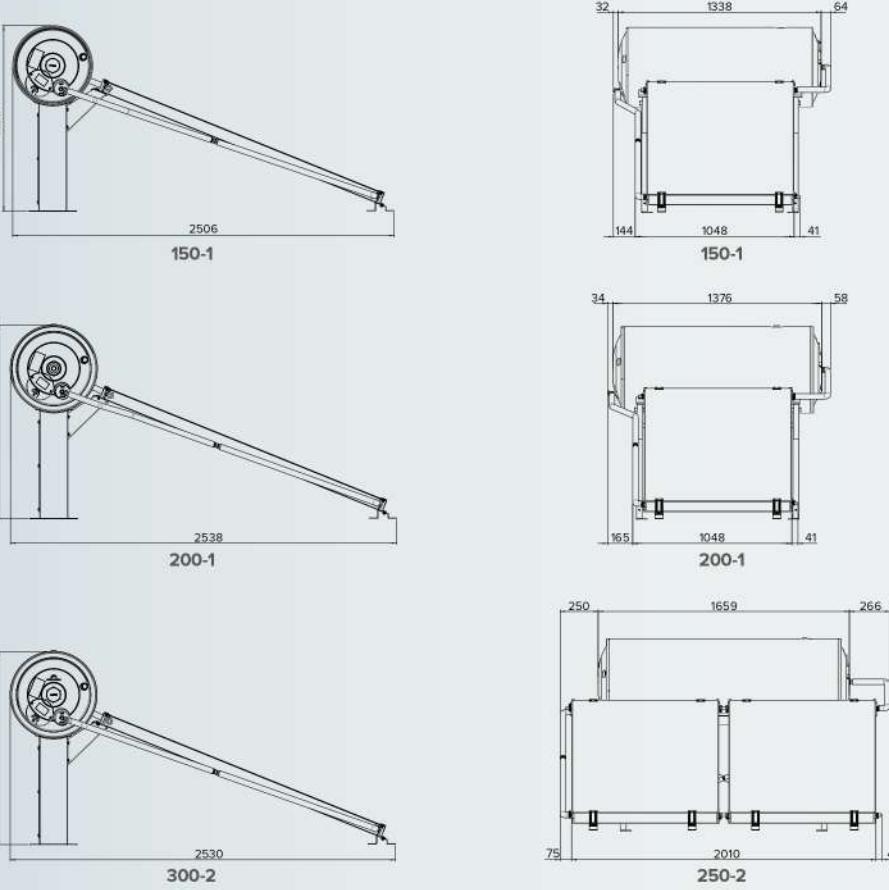
TECHNICAL DATA

	100-1 TR	100-1 TT	150-1 TR	150-1 TT	200-1 TR	200-1 TT	250-2 TR	250-2 TT
Solar collectors								
Installation	Ground	Sloped roof						
Number of collectors	1	1	1	1	1	1	1	1
Total gross area	2 m ²	4 m ²	4 m ²					
Total absorber area	1.8 m ²	3.6 m ²	3.6 m ²					
Empty mass	30.6 kg	61.2 kg	61.2 kg					
Solar circuit capacity	1.8 lt	3.6 lt	3.6 lt					
Storage tank								
Nominal Tank capacity	150 lt	150	150	150	200	200	300	300
Circuit max pressure	6 bar	6	6	6	6	6	6	6
Insulation thickness	55 mm	55	55	55	48	48	48	48
Heat loss	65 W	65	65	65	65	65	65	65
Nett weight	34 kg	34	44	44	51	51	61	61

KAIROS THERMO

	100-1 TR	100-1 TT	150-1 TR	150-1 TT	200-1 TR	200-1 TT	250-2 TR	250-2 TT
CODE DR-2 CF	3022390	3022391	3022392	3022393	3022394	3022395	3022396	3022397

TECHNICAL DRAWING



*Solar keymark on collector