

# KAIROS THERMO DR-2 NEW



## Direct flat solar water heater

### ADVANCED PERFORMANCE

- / More hot water thanks to direct solar water heating technology
- / Increased tank insulation to guarantee long-lasting hot water storage
- / Stable water temperature during withdrawal thanks to optimized tank stratification
- / Tailored solar range for sun belt countries

### EVERLASTING QUALITY

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

### ITALIAN STYLE

- / Easy installation thanks to "insert and click" connections between collector and hydraulic kit
- / Wide range of mounting kits to fit each kind of installation need
- / Designed in Italy

\*only for electro solar version

### TECHNICAL DATA

### KAIROS DR2.0-2 B/N

Weight	kg	30,6
Dimensions	mm	1985x967 x75
Max operating pressure	bar	8
Efficiency	%	49/46
Absorber material		Aluminum
Absorber coating		Selective blue or black
Absorber thickness	mm	0,4
Collector fluid capacity instead of Sensor fluid capacity	l	1,8
Absorption	%	95/90
Emission	%	5/20
Gross area	m2	1,92
Aperture area	m2	1,77
Absorber area	m2	1,73
$\eta_0$		0,74/0,683
K1	W/(m2K)	4,045/4,248
K2	W/(m2K)	0,014/0,015
Absorber tubing material		Copper
Stagnation temperature IAM (50°)	°C	190/180 0,89/0,9

### TECHNICAL FEATURES

### DR 100-1 DR 150-1 DR 200-1 DR 250-2

Installation		Ground or flat / pitched roof		Ground or flat / pitched / IBR roof	
External cover material		Pre-painted steel (standard version) Steel with Zn external coating (electro solar version)			
Inner tank material		Titanium enameled with 3+1 lateral connection			
Diameter of external connections		¾" F			
Number of collectors		1	1	1	2
Insulation thickness	mm	55	55	48	48
Max working temperature for main tank	°C	105			
Back-up heating element (2 kW)		Optional (standard version) Included (electro solar version)			
Capacity of storage tank for domestic hot water	l	100	150	200	250
Cylinder empty weight	kg	34	44	51	61
Dimensions (LxDxH)	mm	See drawing			

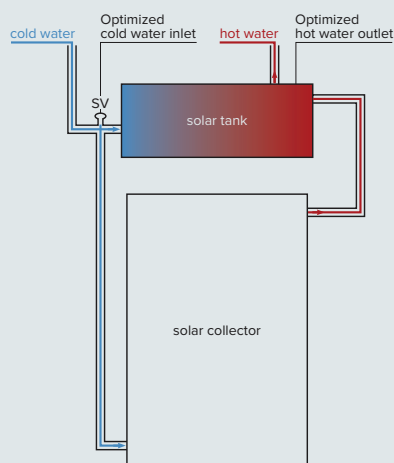
KAIROS DR		100-1	150-1	200-1	250-2
Standard version N (black) absorber	TR (ground)	3022303	3022304	-	3022307
	TT (roof)	3022312	3022313	-	3022315
Standard version B (blue) absorber	TR (ground)	-	-	3022306	-
	TT (roof)	-	-	3022314	-
Electro-solar version (TR)	N (black)	-	3022296	3022297	3022299
	B (blue)	-	-	3022298	-
Optional 2kW heating element (for standard version)		3687025	3687025	3687025	3687025

\*Absorber certified

## PerformanceTank optimization

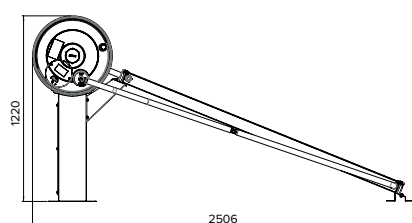
Optimized hot water storage and tank insulation:

- / Thanks to optimized water stratification Thermo DR-2 reduces the mixing of hot and cold water in the tank. In addition, this is boosted by the new position of the hot water outlet (on the top of the tank) granting stable water temperature during the withdrawal.
- / Thanks to the increased tank insulation (+20% vs old model) and an optimal polyurethane quality the solar water heater is able to maintain the water hot all night long

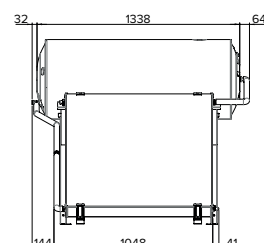




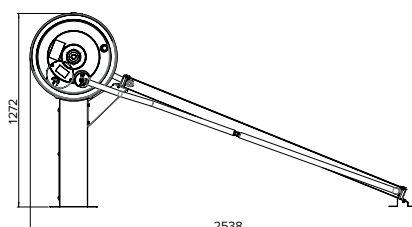
# TECHNICAL DRAWING



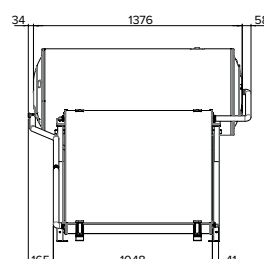
150-1



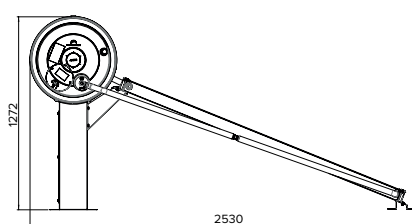
150-1



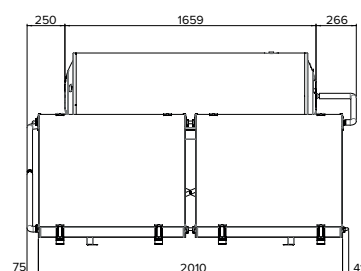
200-1



200-1



250-2



250-2

\* Solar keymark on collector