

KAIROS THERMO DR



Natural circulation direct solar system for the production of domestic hot water

- Kairos Thermo DR has the advantages of a quick installation, thanks to the very simple hydraulic connections;
- No heat stress thanks to the omega connection of the internal structure;
- Highly transparent prismatic surface that ensures the reflective rays reduction;
- The steel tank with exclusive titanium-based enamel treatment, the magnesium anode, the copper hydraulic circuit guarantee high reliability, corrosion proof and very long life cycle;

TECHNICAL DATA

KAIROS DR 2.0

Weight	kg	30
Dimensions	mm	2004x996x78
Operating pressure	bar	7
Diameter of external connections	mm	18
Sensor fluid capacity	l	1.8
Absorption	%	95
Emission	%	5
Total area	m ²	2.01
Input area	m ²	1.83
Absorbent area	m ²	1.73
Specific heat capacity	kJ/K	11.28
η ₀		0.72*
K ₁	W/(m ² k)	3.94*
K ₂	W/(m ² k)	0.012
Stagnation temp.	°C	182.3
IAM (50°)		0.91

TECHNICAL FEATURES

		200/1 TR	200/1 TT	300/2 TR	300/2 TT
		Ground or flat roof	Sloping roof	Ground or flat roof	Sloping roof
Installation					
Gross sensor area	m ²	2.01	2.01	4.02	4.02
Sensors input area	m ²	1.83	1.83	3.66	3.66
Absorbent area	m ²	1.73	1.73	3.46	3.46
Capacity of storage tank for domestic hot water	l	197	197	270	270
Maximum DHW circuit pressure	bar	7	7	7	7
Calibration of safety shut-off valve for solar circuit	bar	1.5	1.5	1.5	1.5
Heat loss	kW/24h	2.2	2.2	3.6	3.6
Exchanger capacity	l	4.72	4.72	10.04	10.04
Cylinder tank empty	kg	51	51	67	67
Dimensions (LxDxH)	mm	2480x1603x1321	2595x1603x628	2480x2161x1321	2595x2161x628
Empty weight	kg	129	129	190	190
Filled weight	kg	327	327	464	464

CODE	3022203	3022202	3022207	3022206
SOLAR ELECTRICITY CODE	3022205	3022204	3022209	3022208

