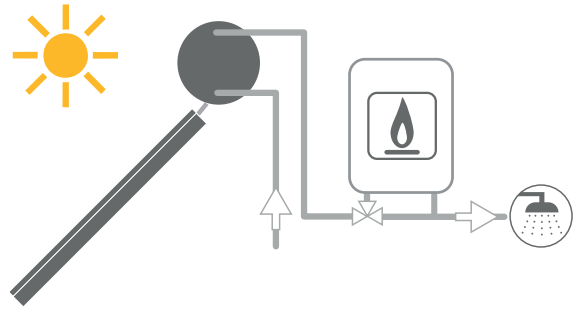


# PANAREA SYSTEM

SOLAR THERMAL SYSTEMS WITH NATURAL CIRCULATION FOR DOMESTIC HOT WATER PRODUCTION



Natural gravity circulation System **PANAREA** for DHW production. The system is made of a DHW tank combined with Flat Solar Collector treated with high selective absorber material.

Fixing kit included for installation on flat roof

### COLLECTORS

- Rockwool insulation
- Anodized Aluminium Frame
- High Selective Absorber
- Tempered Glass - Anti-Ice rain with Impact resistant according to **EN 12975 / ISO 9806** (impact resistance through the use of a steel ball weighing 150g, maximum drop height of fall 2 metres).
- **UNI EN 12975** Compliant

### DHW TANK

- Capacities from 150 to 300L
- Mild steel Material
- Internal Polywarm® coating, suitable for drinking water according to 98/83/CE and subsequent amendments and DHW certifications ACS-SSICA -EN 16421
- Connections for integration of electrical heater.
- Double Wall Heat Exchanger
- Rigid insulation of polyurethane foam with high thermal insulation.
- External rigid cover with special anticorrosive treatment
- Cathode Protection with Magnesium Anode
- Safety Valve TP 1/2" M

### ACCESSORIES

See accessories section

### WARRANTY

See general conditions of sale and warranty

### ACCESSORIES ON REQUEST



Kit for electrical integration



Safety valve TP 1/2" M



Heat Manager Smart Controller

For more information see accessories section.

### SYSTEM COMPONENTS

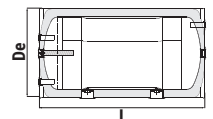
### INCLUDED

Highly selective solar collector	✓
DHW INTERKA TANK Polywarm® coated and external rigid cover with special anticorrosive treatment	✓
Magnesium Anode	✓
Security valve and check valve	✓
Non-toxic heat transfer fluid	✓
Fittings	✓
Universal fixing kit for both flat surfaces (40° inclination) and pitched roofs	✓

### ALWAYS ASK FOR CERTIFIED LABORATORIES DATA RESULTS

**CORDIVARI** Lab

TÜV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by EArt. Nr.sign ErP



### INTERKA SOLARE PANAREA

ENERGY EFFICIENCY CLASS

Model	[mm]		ErP
	De	L	
<b>150</b>	550	1026	<b>B</b>
<b>200</b>	550	1286	<b>B</b>
<b>300</b>	550	1840	<b>B</b>

For more information and technical data of the calorifiers and buffer tanks please refer to the Cordivari Calorifiers and buffer tanks catalogue.

# PANAREA SYSTEM

SOLAR THERMAL SYSTEMS WITH NATURAL CIRCULATION FOR DOMESTIC HOT WATER PRODUCTION



Type of calorifier:  
**INTERKA PANAREA  
POLYWARM®**



FLAT ROOF



2 SYSTEMS PACK



PITCHED ROOF



2 SYSTEMS PACK

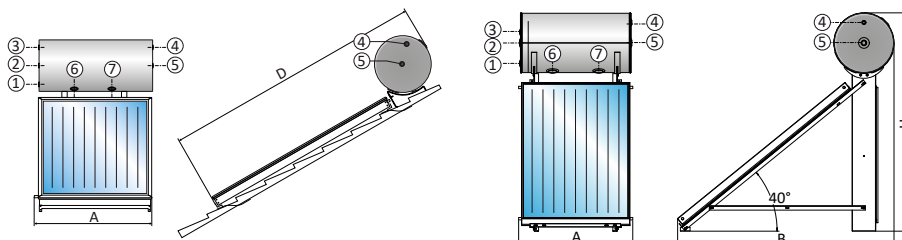
Model	Nr. of capturing tubes	Total surface area [m <sup>2</sup> ]	Nr. Recommended users	Description/ Art. Nr.	Description/ Art. Nr.	Description/ Art. Nr.	Description/ Art. Nr.
<b>150</b>	1x2	2	1-3	<b>150/2 TP</b>	<b>150/2 TP</b>	<b>150/2 TF</b>	<b>150/2 TF</b>
				3410316603116	3410316603133	3410316603090	3410316603122
<b>200</b>	1x2	2	3-4 <sup>(*)</sup>	<b>200/2 TP</b>	<b>200/2 TP</b>	<b>200/2 TF</b>	<b>200/2 TF</b>
				3410316603117	3410316603134	3410316603091	3410316603123
<b>200</b>	2x2	4	4-5	<b>200/4 TP</b>	<b>200/4 TP</b>	<b>200/4 TF</b>	<b>200/4 TF</b>
				3410316603118	3410316603135	3410316603092	3410316603124
<b>300</b>	2x2	4	5-6 <sup>(*)</sup>	<b>300/4 TP</b>	<b>300/4 TP</b>	<b>300/4 TF</b>	<b>300/4 TF</b>
				3410316603119	3410316603136	3410316603093	3410316603125
<b>300</b>	2x2,5	5	5-6	<b>300/5 TP</b>	<b>300/5 TP</b>	<b>300/5 TF</b>	<b>300/5 TF</b>
				3410316603120	3410316603137	3410316603094	3410316603126
<b>300</b>	3x2	6	6-7	<b>300/6 TP</b>	<b>300/6 TP</b>	<b>300/6 TF</b>	<b>300/6 TF</b>
				3410316603121	3410316603138	3410316603095	3410316603127

(\*) Systems designed for use in areas with high annual sun irradiation more than 1600 Kw/h m<sup>2</sup>

## DIMENSIONS OF COLLECTOR STRINGS

### LEGEND

- 1 Sanitary water inlet
- 2 Magnesium anode
- 3 Connection for Instrumentation
- 4 DHW outlet
- 5 Electric heater (not included)
- 6 Solar collectors connection
- 7 Solar collectors connection



Solar collectors surface [m <sup>2</sup> ]	2	2	4	4	5	6
Solar tank capacity [liters]	150	200	200	300	300	300
Width A [mt]	1,1	1,1	2,2	2,2	2,6	3,2
Length B [mt]	1,98	1,98	1,98	1,98	1,98	1,98
Height H [mt]	2,01	2,01	2,01	2,01	2,01	2,01
Dimensions on the roof D [mt]	2,66	2,66	2,66	2,66	2,66	2,66

