



A Calpak PRISMA solar water heater is shown against a bright blue sky with a sunburst effect. The unit consists of a horizontal silver cylindrical tank with the Calpak logo and 'PRISMA' text, and a large rectangular blue solar collector panel tilted at an angle. The entire unit is supported by a silver metal frame.

Calpak

Technology & Quality
through a new prism

PRISMA



Calpak Prisma®

An innovative, high-tech collector
that takes solar water heaters to a
new era!

The creation of Prisma® collector makes all of us, at Calpak, very proud. It is an innovative collector that stands out for its technology and manufacturing qualities.

Prisma's smart production platform is fully automated with new robotic systems that are centrally controlled through 5G technology and AI algorithms. It is acknowledged as one of the most advanced solar thermal production platforms in Europe.

The truly resilient water tank combined with the high performing Prisma collector®, ensure an efficient solar water heater that will deliver ample hot water for many years.



What is the Prisma® collector?

It's an innovative, high-tech collector.

What makes it innovative?

The polymeric material Colofast® (BASF®) that is used in its production; a world first achievement.

Where has the Colofast® material been applied to date?

It has been used by the biggest automobile manufacturers in the world for the manufacturing of the car sunroofs.

What are its features and what value does it offer to the Prisma® collector?

- Perfect adhesion with glass and metal, which makes it ideal for their strong bonding
- Great torsional rigidity and, therefore, robustness throughout the structure
- Absolute waterproofing
- Perfect finish

How is the Prisma® collector produced in the Calpak factory?

It is produced by a fully automated production line, which includes 5 robotic arms and high-tech machines.

What are the benefits of an automated production line?

It ensures absolute standardization of the production process and, therefore, the assurance of high quality.

Make the smart choice and enjoy excellent performance and high energy savings!





Prisma® Technical Features

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	160/2.0	200/2.0	200/2.5	300/4.0
	3-4 people	4 people	5 people	6-7 people
Collector				
area (m²)	2 m²	2 m²	2,5 m²	4 m²
efficiency / heat loss coefficient	no,b= 78% / α1= 2,99 W/m²K			
maximum output	1524W	1524W	1905W	3048W
absorber	high selective - full plate - laser welded			
frame	colofast® (BASF® patented) & zinc coated alloy steel by Arcelor-Mittal			
insulation	glass wool 30mm			
glass	tempered 3.2mm (safety), low-iron (transparency > 91.5%)			
Tank				
capacity (lt)	155,9	201,7	201,7	275,1
tank material	steel DC-03 2.5mm by Arcelor-Mittal (according to DIN 10130)			
welding method / test	robotics using artificial intelligence / double test at 15bar			
anti-corrosion / cathodic protection	direct enameling (according to DIN 4753/3) / magnesium rod (according to DIN 4753/6)			
antifreeze protection	Calpak Nox (pharmaceutical polypropylene glycol)			
insulation	Injected ecological polyurethane foam (43 kg/m³ density and 50mm thickness)			
electrical resistance	3,5 KW inox (or less)			
connection to boiler	in triple energy models (trien)			
Certifications				
Quality		Test Labs		
    		 		  

