

A cylindrical silver tank with a blue solar collector panel attached to its side. The tank has the Alpak logo and 'PRISMA' written on it. The panel is supported by a silver metal frame. The background is a bright blue sky with a sunburst effect.

Alpak

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 the 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 has been acknowledged by the Greek press as one of the most modern production platforms in the country.

The Prisma collector that performs at a high standard and the well built hot water tank that has an impressive durability, ensure an efficient solar heater that will deliver ample hot water for long!



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

 Collector	160/2.0	200/2.5	300/4
		3-4 people	5 people
area (sq.m)	2 sq.m.	2.5 sq.m.	4 sq.m.
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 (permeability> 91.5%)		
Tank			
capacity (lt)	155,9	201,7	275,1
tank material	steel DC-03 2.5mm by Arcelor-Mittal (according to DIN 10130)		
welding method / check	robotics using artificial intelligence / double check at 1.5bar		
anti-corrosion / downward protection	direct enameling (according to DIN 4753/3) / magnesium rod (according to DIN 4753/6)		
antifreeze protection	Calpak Nox (pharmaceutical polypropylene glycol)		
insulation	swollen ecological polyurethane (43 kg/m ³) 50mm thick		
electrical resistance	3,5 KW inox		
connection to boiler	in triple energy models (trien)		
Certifications			
Quality	Test Labs		
