

Overview: Designed beside each other, this installation on the roof of Ikea in Charlotte, NC is actually two separate systems. The first system was designed for the building's restaurant and consists of 8 AP-30 collectors which feed a twin coil tank using a gas water heater as backup. The second system, designed for the building's facilities, has 3 AP-30's which preheat water for a 200 gallon solar tank, again using a gas water heater as backup.

"We love our Apricus system. It is virtually maintenance free and we are very happy with the output. Over the course of the past two years which the system has been installed, the only issue we've had was three broken tubes - an accident during installation. These were extremely easy to replace and did not interrupt the system output. We would recommend the Apricus system."

-IKEA Facility Manager in Charlotte, NC, Rich Geist



Project Description:

Property Name:	Ikea
Location:	Charlotte, NC
System Type:	Closed Loop Domestic Hot Water
Array Size:	12 Apricus AP-30 Collectors



Contact Information:

Apricus Inc: 370 State Street, Unit 2
North Haven, CT 06473 USA
T: 1-800-458-2634

Herlocker Mechanical: 12600 Downs Rd.
Pineville, NC 28134 USA
T: 704-962-3760

Apricus APSE-30:

Physical Specifications:

Dimensions:	2.0m x 2.2m / 78.9" x 86.4"
Aperture Area:	2.98m ² / 32.05ft ²
Gross Area:	4.15m ² / 44.76ft ²
Gross Dry Weight:	95kg / 209lb
Fluid Capacity:	710ml / 24 fl oz
Max Pressure:	800kPa / 116psi

Materials of Construction:

Evacuated Tubes:	Borosilicate 3.3. Glass
Absorber Coating:	Aluminum Nitrate
Heat Pipes:	High Purity Copper
Mounting Frame:	439 Stainless Steel
Manifold Casing:	5005-H16 Anodized Aluminum

Warranty:

Manifold & Frame:	15 years
Tubes & Heat Pipes:	10 years