



purix

Cool by Nature

SOLAR AIR CONDITION SYSTEMS

Cooled by the sun

The Purix air condition system is an ideal sustainable alternative to conventional products, helping you build a green tomorrow without compromising basic needs for a comfortable environment - where and when you need it. Powered by the sun, the use of air conditioning is as clean as it gets with Purix and reduces electricity consumption by up to 85%. Solar cooling is good for you and it protects the environment.

Comfort by Nature

Our product design offers a great opportunity for a highly comfortable indoor environment for commercial and consumer applications. With the option of a range of no or low noise indoor cooling devices, Purix brings you quiet comfort. Users of traditional air condition systems may experience low air humidity levels and a breeze of chilled air,

resulting in an uncomfortable and unhealthy indoor climate. The Purix green air conditioner eliminates the risk of undesired dehumidification of the indoor environment and keeps you comfortable at any time. The range of Purix indoor cooling devices enables a gentle distribution of the conditioned air – unnoticed, for your convenience.



COOLING & HEATING



**NO/LOW NOISE
USER EXPERIENCE**



**COMFORTABLE INDOOR
TEMPERATURE & HUMIDITY**



**WORKS DAY
& NIGHT**



**BASED ON A NATURAL
REFRIGERANT**



**FLEXIBLE
PRODUCT DESIGN**

Pure as water

Industrial chemical refrigerants used in conventional air conditioners contribute to Climate Change. As opposed to other products, the patented Purix technology applies pure water as a refrigerant which is as clean as it gets.

Scandinavian Design

The Purix climate solution is the core of a design process centered on improving the user experience, improving the environment performance and integrating Scandinavian product design values. Purix offers a unique opportunity for going green to people and organisations who care about the environment, the future and reducing costs. Our products offer a competitive and attractive sustainable alternative to conventional air condition products for consumers, public administrations or commercial installations. The Scandinavian roots of Purix are part of our culture and products supporting you in building a green tomorrow.

**Comfortable
air conditioning**

powered by nature
DELIVERED BY PURIX

Flexible Design

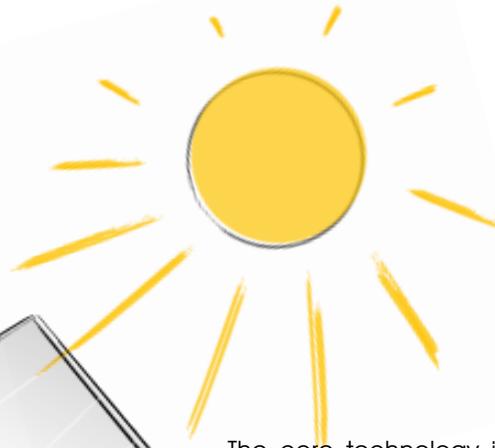
The Purix climate solution is ideal for new construction or replacement and extension projects. Due to a cooling capacity of 2,5kW (9000BTU), the solar air conditioner complements products widely used in villas, hotels, resorts, offices, schools or shops – just to mention a few.

The three-component product design comprises solar panels, a chiller unit and one or more indoor cooling devices.

The flexible product design recognizes the need for integrating climate solutions into a wide range of interior designs and architecture by offering various types of indoor cooling device types as well as different mounting kits for solar panels. Depending on the building layout the Purix air conditioner can be conveniently installed as a mono-split or multi split unit.

How it works

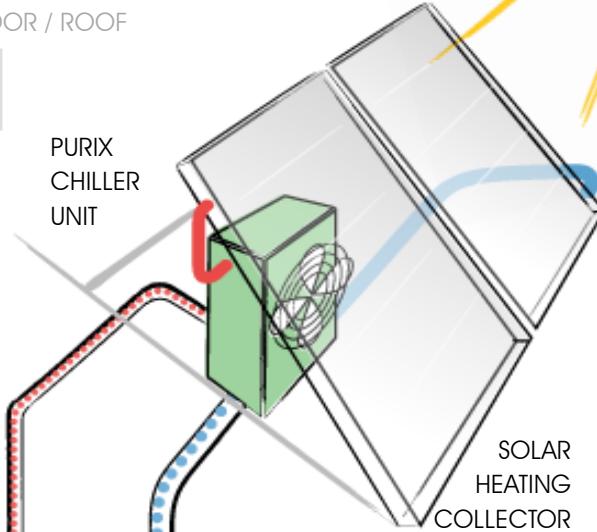
Despite the patented product design, Purix builds on well proven and mature technologies used by industries for decades.



OUTDOOR / ROOF



PURIX
CHILLER
UNIT



SOLAR
HEATING
COLLECTOR

BOILER



INDOOR

COOLING DEVICE

The core technology is the absorption cooling principle widely used, for instance, in refrigerators in hotel rooms due to the low noise level.

1- Solar thermal energy absorbed by the solar panels produces water vapour which is used by the patented Purix chiller as a refrigerant for producing chilled water at a low temperature.

2- The chilled water is distributed to one or more cooling devices in the building, gently cooling the indoor environment to a comfortable humidity and temperature. The chilled water returns to the chiller in a closed loop.

The Purix air conditioner is air cooled and may be installed as a stand alone unit or in combination with existing air conditioning and ventilation systems.

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