



Product catalogue **A25**

Absorption
Cooling Systems



COOLING POWERED BY NATURE

Purix cooling and air conditioning systems help you building a green tomorrow without compromising the basic needs for a comfortable and healthy indoor environment - where and when you need it.

Designed with conventional absorption cooling technology, the systems convert supply of low temperature heat sources into cooling.

Replacing expensive electricity with inexpensive and low quality energy sources for generation of cooling, is a great opportunity for turning district heating into district cooling or solar heating into solar cooling, and for reducing costs, environmental impact and greenhouse gas emissions.

FLEXIBLE DESIGN

The patented system design is ideal for replacing traditional split cooling and air conditioners in a wide range of applications, e.g. retail, offices, households, clinics, hospitals, sports facilities, institutions, hotels, restaurants and bars, schools, storages or data & telecom installations.

A flexible product design recognizes the need for integration with the interior design and architecture, and supports various types of indoor units.

Depending on the building layout and cooling demand, the systems support mono- and multi split installations, and may be configured into systems with increased capacity.

PRODUCT FEATURES



Low electricity consumption reduces energy costs.



Applies pure water as natural refrigerant.



Cooling based on low temperature thermal energy sources instead of electricity (solar thermal energy, district heating, waste heat etc.)



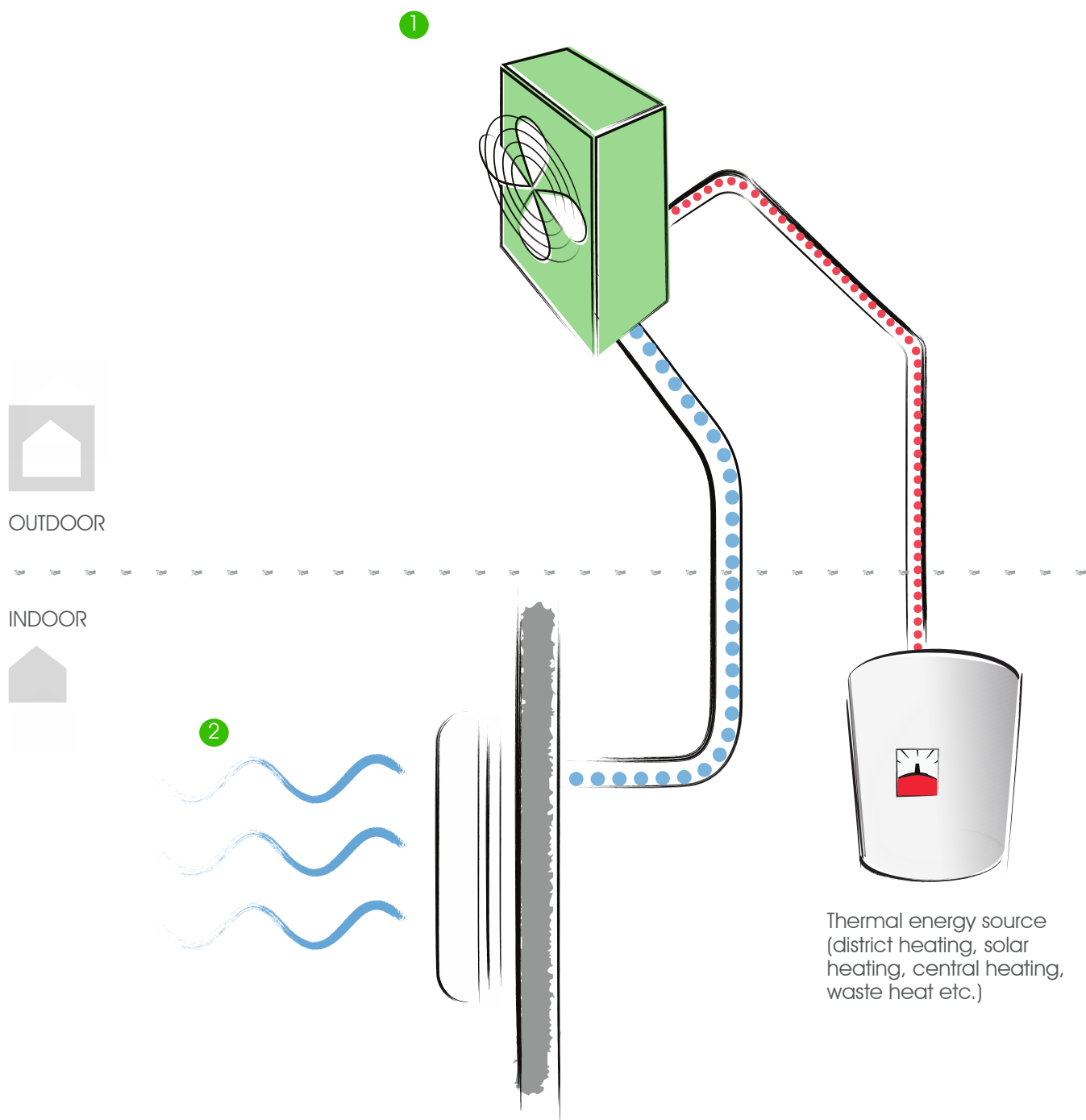
Flexible design for match with interior design and architecture
- various fan coil types,
- mono & multi split design.



Low noise level.



Gently heats and cools without drying out the indoor environment.



A PURIX system is designed for operation with any available thermal energy source, and consists of two main parts:

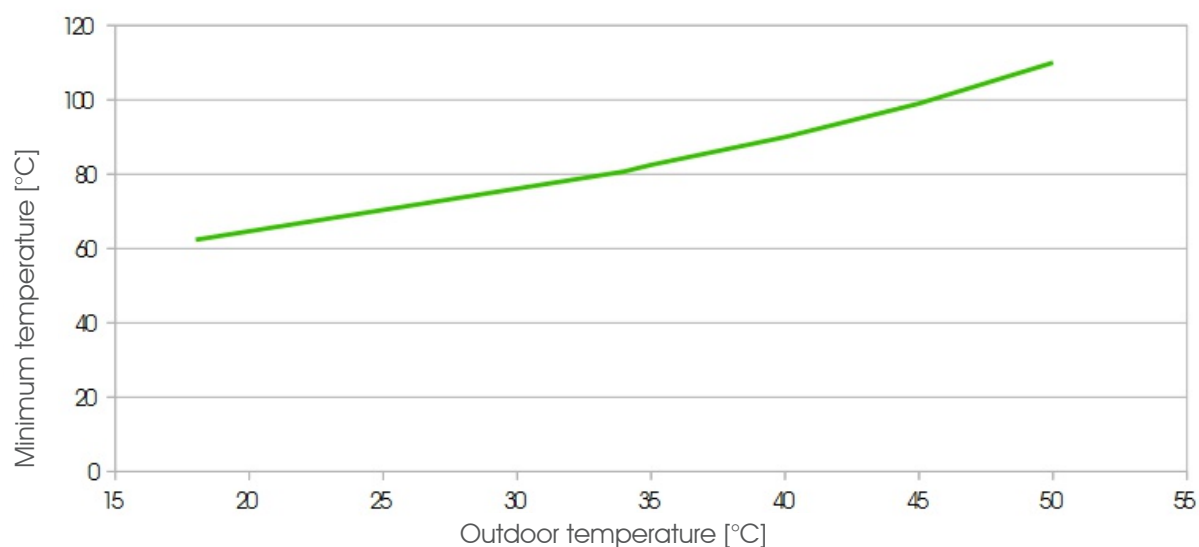
- ① - Outdoor unit (Chiller)
- ② - Indoor unit (Fan coil)

SPECIFICATION

PURIX Chiller A25

Type	Chiller for mono- & multi split installation (up to 3 indoor units)	
Technology	1-stage absorption chiller (LiBr-H ₂ O), air cooled	
Refrigerant	R718 (water)	
Chilled Water		
Fluid	Chilled water (freeze protected)	
Capacity	[kW]	2,5 (nominal at 35°C outdoor temperature)
Temperature	[°C]	13 / 18 (supply/return)
Pressure, max.	[BarG]	0,5
Connections		G1/2"
External heat supply		
Power	[kW]	3,1 (at 35°C outdoor temperature, $\Delta T = 5^{\circ}\text{C}$)
Temperature	[°C]	Varies with outdoor temperature*
Pressure, max.	[BarG]	3
Connections		G1/2"
Electricity demand [W]		< 150
Noise level	[dB(A)]	< 45

*Thermal energy source, supply temperature requirements



SPECIFICATION

Fan coils*

		High Wall	Cassette	Floor/ceiling
Cooling capacity	[kW]	2,5	2,5	2,5
Electricity consumption	[W]	<50	<110	<80
Air flow	[m³/h]	500/410/360	600/560/530	1000/750/500
Noise level	[dB(A)]	<48	<47	<47
Dimensions (LxWxH)	[cm]	94x20x30	84x84x19	130x19x60
Weight	[kg]	13	27	34
Connections				
- Chilled water	[Inch/mm]	1/2" / 12,7	3/4" / 19,05	3/4" / 19,05
- Drain	[mm]	15,6	33	33
User interface, std./optional			Remote / wired controller	

PRODUCT FEATURES

Silent mode

Multi speed fan

Auto cleaning

Washable filter

Condensate pump



*Other fan coil types an and capacities are available upon request.



High Wall mounted

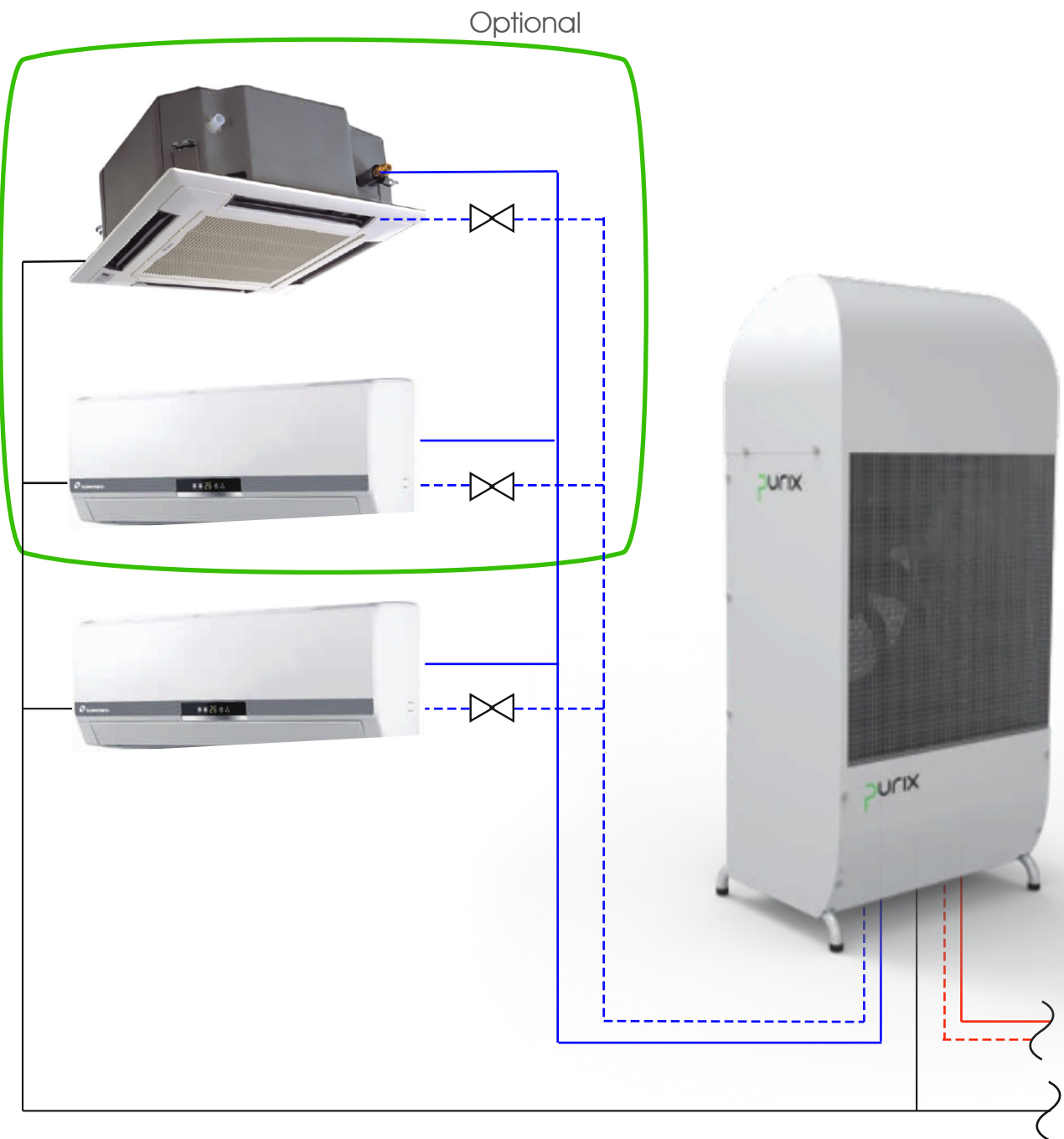


Cassette



Floor/Ceiling

CONNECTIONS

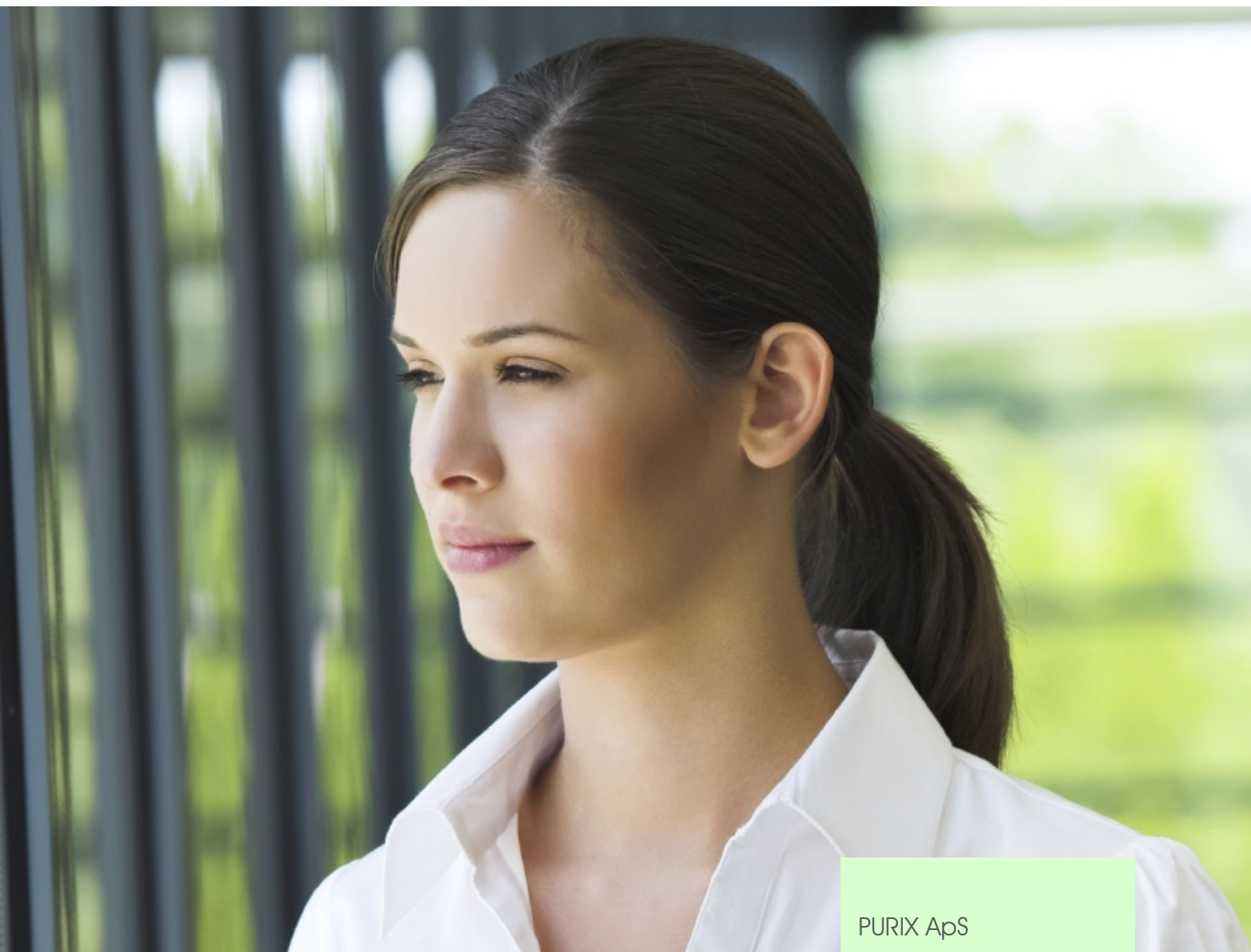


DIMENSIONS

PURIX Chiller A25



1400mm



About PURIX

We believe that people should experience a comfortable and healthy indoor environment, without compromising sustainability.

PURIX provides attractive solutions supporting consumers and organisations in building a Green tomorrow.

PURIX ApS

Langogade 17
2100 Copenhagen O
DENMARK

t: +45 7734 2280
e: info@purix.com
w: www.purix.com