

Air Refrigeration System / PascalAir

# *PascalAir* Brine Cooler Unit

Ultra-low temperature created by air

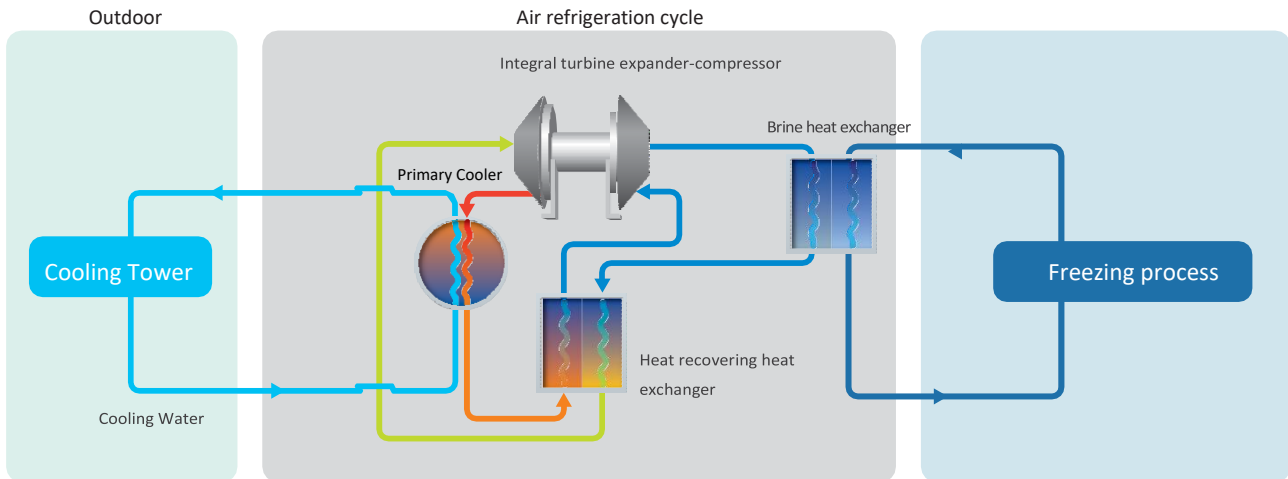


Air and nitrogen have no effect on ozone depletion and global warming, and are neither toxic nor flammable.

It is an ideal system for ultra-low temperature that can be realized high efficiency, environmental friendly and high safety.

### Cooling by air or nitrogen

The brine is cooled by low temperature air



### Developing an ultra-low temperature world with air



[Markets]

- Frozen food
- Pharmaceutical process, Generation process
- Fine chemical
- Freeze dry process

#### PascalAir PascalAir Brine cooler specifications

		PascalAir B15	PascalAir B30
Media		Nitrogen or air	
Max. pressure		0.1MPa	
Brine supply temperature range		-50°C ~ -90°C	
Cooling capacity*		15kW	34kW
Power	Main (Compressor)	3 phase, AC200/ 220V, 50/60Hz	
	Control (System)	3 phase, AC380/ 440V, 50/60Hz 3 phase, AC200/ 220V, 50/60Hz	
Compressor	Type	Integral turbine expander-compressor	
	Motor rated output	45kW	90kW
	Driving method	Inverter	
Heat recovering heat exchanger		Plate fin	
Primary cooler		Tube fin	
Brine heat exchanger		Plate fin or Tube fin	

\* Capacity at brine supply temperature -50°C.  
The capacity is varied by specification, flow rate and temperature of used brine.

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Please note that specifications are subject to change for product improvements without notice.



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