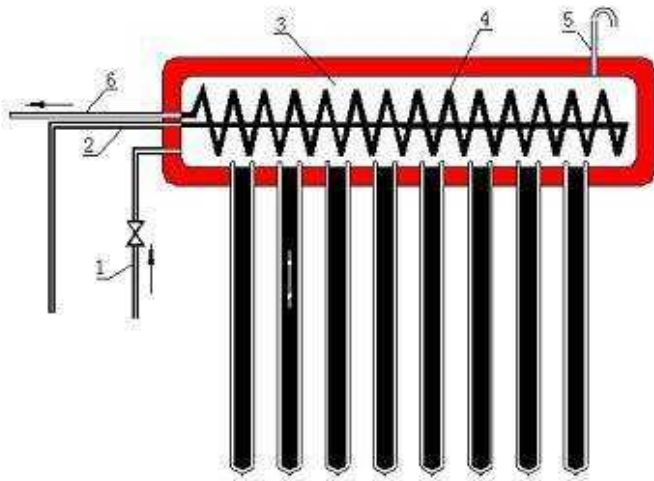


SOLAR ABSORPTION AIRCONDITIONING SYSTEM

Solar Cooling

SEDNA AIRE



Space Cooling

Cooling and refrigeration can be accomplished using thermally activated cooling systems (TACS) driven by solar energy. These systems can provide year-round utilization of collected solar heat, thereby significantly increasing the cost effectiveness and energy contribution of solar installations. These systems are sized to provide 30% to 60% of building cooling requirements using solar, with the remainder usually dependent on TACS fueled by natural gas. The TACS available for solar-driven cooling include absorption systems and desiccant systems.



Solar Cooling

Our Solar Cooling system will reduce your air conditioning cost at least 50% less

“SOLAR” Cooling is Here!

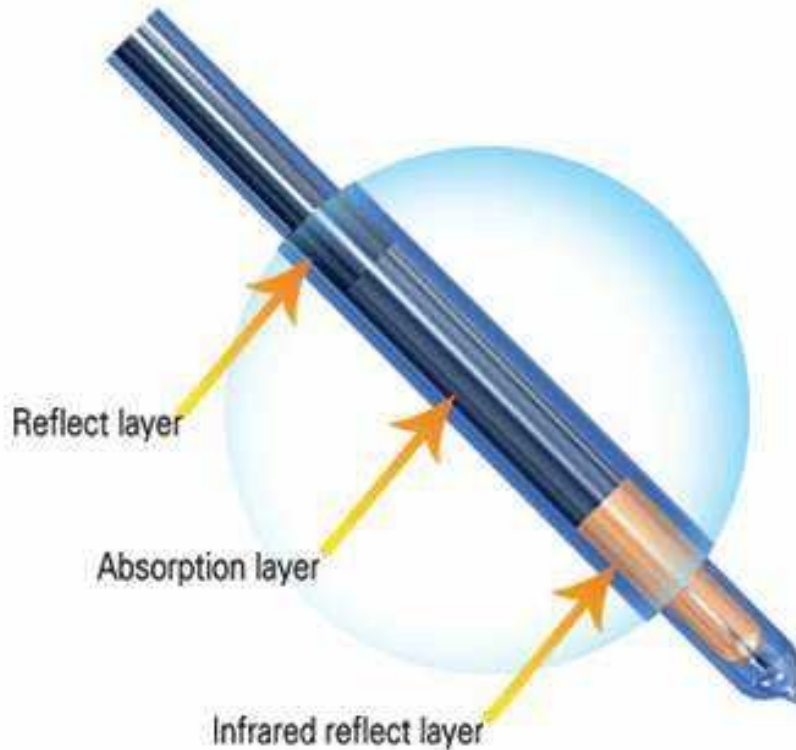
Homes, Schools, Office Buildings, Hospitals, and most any other building or facility can now have Clean, Green Air Conditioning

Solar Cooling is Pollution- Free-Power

Our Solar Cooling System - Uses the "free" Power of the Sun to Cool your Commercial Business or Home for 50% less! Cooling your building (home, office, school, hospital, etc.) costs you up to 60%, or more! You can reduce the cooling portion of your electric bill by at least 50% and cool your home with the sun's power with our Solar Cooling system!

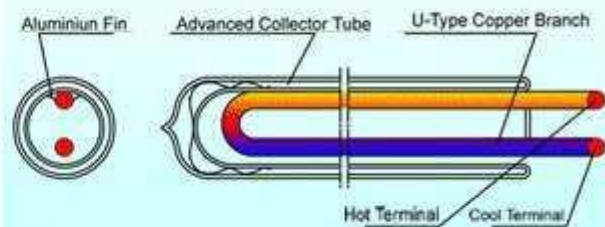


SPECIAL FEATURES...



The details of material

Outer tank: Coated galvanized steel—0.8mm; Alnico—1.5mm
Manifold: \varnothing 22mm thickness 2mm
U copper type: \varnothing 8mm thickness 0.6mm



Although absorption systems require electricity for pumping the refrigerant, the amount is small compared to that consumed by a compressor in a conventional electric air conditioner.

When used with our solar thermal energy systems, absorption coolers must be adapted to operate at the normal working temperatures for solar collectors: 180° to 250°F (82° to 121°C).

Solar Absorption Cooling systems are typically sized to carry the full air conditioning load during sunny periods.

Solar Absorption Cooling. Solar heat can be used to displace electricity used for cooling. Absorption systems use a heat source from solar collectors

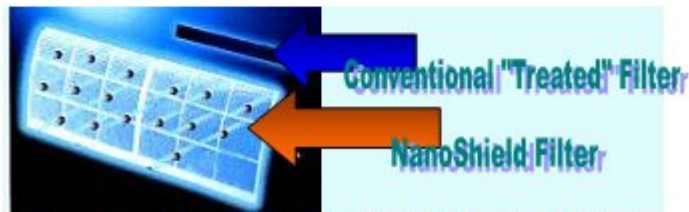
EXTRA FEATURES

NanoShield – Effectively Inactive & Eliminate Various Harmful Airborne Elements

The ALL-NEW NanoShield combines the powerful sterilizing and deodorizing effect of nanoSilver and nano- photocatalyst. Silver is known to possess the power to sterilize and deodorize since ancient time and has been used for medicines and household goods. With the advance nanotechnology, this sterilization effect is powered up. The nano sized (1 billion of a metre) Silver & Photocatalyst particles are fully infused into the filters, killing bacteria, moulds, removing VOCs and odor particles at the very first stage of filtration.

Nanoshield's deodorizing power is **150** times stronger than the high performance activated carbon. NanoShield also has a larger surface area than conventional 'treated' filter, making it **20** times more effective in the filtration process.

Nanoshield Filters Effectively Inactivate & Eliminates Various Harmful Airborne Elements

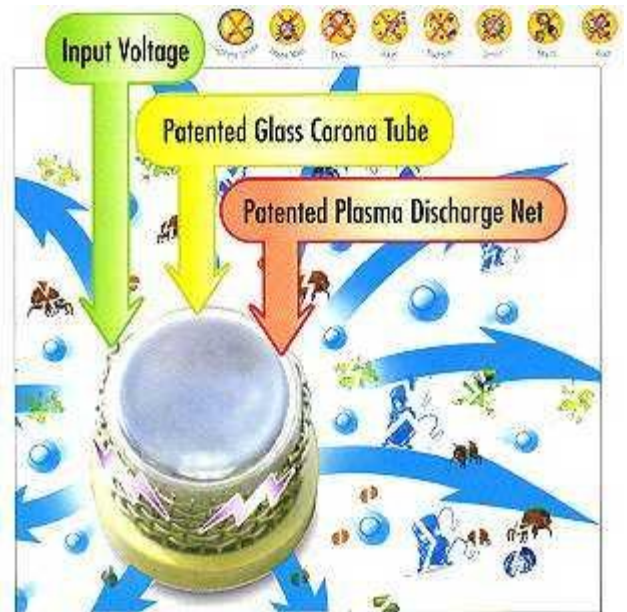


*Comparing the filter's size, Nanoshield Filters are 20 times more effective than the conventional filter.

VOLATILE ORGANIC COMPOUND (VOC) A major source of Indoor Air Quality problems, VOCs are carbon-based chemicals that evaporate easily and emit vapors. VOCs are inhaled and easily transported into our bloodstream. Various sources of VOCs include formaldehyde in building materials, household products, tobacco smoke and pesticides. It is known to have adverse effects on human body (eye irritation, respiratory tract infection, headaches, dizziness, memory impairment, increased risk of cancer).

Plasma-O2 - Exactly Like Breathing Natural Fresh and Clean Outdoor Air

Plasma-O2 air sterilizing system is a breakthrough technology that purifies the air like nature. The only technology that duplicates the natural creation of powerful oxygen ions found in UV rays from the sun, the lightning during thunderstorms, waterfalls and oceans. With plasma- O2 the large oxygen ion clusters can live up to days, traveling around the room, eliminating bacteria, moulds and other harmful particles round the clock. Leaving you pure, healthy air like at the waterfalls but in the comfort of your home.



The Power of Plasma-O2: Longer shelf life of food, fruits and vegetables.

- Reduces danger of infections
- Removes unpleasant odor emitted from mould, fungi and bacteria.
- Reduction of house dust, pollen, cigarette smoke and odor.
- Helps allergy and respiratory tract disease sufferer.
- Neutralizes toxic gases (e.g. CO + O* → Co2).

Ionizer – Refreshes... Just Like Taking A Walk In The Forest After The Rain



The ionizer releases negative ion shower into the room to create a refreshing environment like at the waterfalls. Medical studies have demonstrated that the level of negative ions in the air around us determines the quality of the air we breathe and this greatly influences our health. This "Air Vitamin" thus promotes our well being with fresh air inhalation.



Ionizer Refreshes Your Room In Minutes



With an abundance of Negative Ions in your room, your room air will turn fresher in minutes.

Refreshes Your Room With A Single Button Just press the ionizer button and the air-conditioner generates negative ion, to refresh the indoor air effectively.

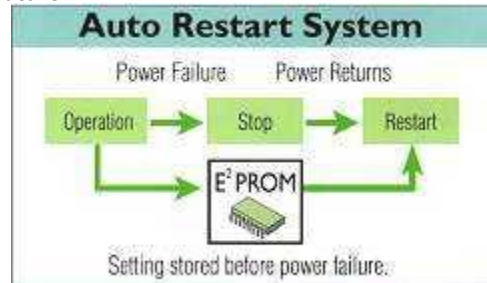
Extra features for better solutions to better your life

Built-in Starter With Sedna Aire, the starter is smartly built-in within the air conditioner unit. No more unsightly starter box. Thermal overload setting preset in the factory also gives accurate and safer protection.

Easy Maintenance With a new design of air discharge housing, the fan blower can be easily accessed by just loosening up two screws on the unit. This new feature provides a flexible, faster and easier way to clean up the fan blower and ionizer.



Auto Random Restart When power failure occurs during the operation, the unit will automatically restart as the last setting condition once the power is resumed. Option is provided to cancel this feature.



3-Fold Heat Exchanger

The compact design of this 3-fold structure provides a large surface area for better and efficient heat exchange.



Double Louver

The new louver design with its automatic air swing function fully optimizes the room comfort by distributing the air evenly to every corner of the room.

Easy-To-Use Remote Controller



Personalized Setting

The intelligent controller now allows you to pre-set and store two groups of personalized settings (including the timer setting) in the handset. With just a click of button, you can return to your desired setting when someone has changed it. These personalized settings can be overwritten from time to time based on user requirements.

WALL MOUNTED SERIES

Features

- Double Louver
- Enhanced Skew Fan Design
- Easy Maintenance
- Built-In Starter

SPECIFICATIONS

MODEL	INDOOR UNIT		SWM 12SP	SWM 18SP	SWM 24SP	
	OUTDOOR UNIT		SP12C	SP18C	SP24C	
NOMINAL COOLING CAPACITY	Btu/h		12,000	18,000	24,000	
	W		3,516	5,274	7,032	
	Kcal/h		3,024	4,536	6,048	
RATED TOTAL POWER CONSUMPTION	W		818	1,113	1760	
RATED TOTAL RUNNING CURRENT	A		3.72	5.06	8	
ENERGY EFFICIENCY RATING (EER)			14.66	16.17	13.63	
REFRIGERANT/CONTROL			R407C			
INDOOR						
POWER SOURCE	V/Ph/Hz		240/1/50-60			
FAN	AIR FLOW	cfm/cmm	355/10.06	510/14.45	650/18.42	
	RATED INPUT POWER	W	30	50	69	
	RATED RUNNING CURRENT	A	0.13	0.22	0.29	
DIMENSION	HEIGHT	mm/in	260/10.2	306/12.0	306/12.0	
	WIDTH	mm/in	899/35.4	1,062/41.8	1,062/41.8	
	DEPTH	mm/in	198/7.80	222/8.7	222/8.7	
WEIGHT	kg		9.4	15	15	
SOUND PRESSURE LEVEL - H/M/L	dBA		42/36/29	43/40/35	49/44/42	
CONTROL	ROOM TEMPERATURE		THERMOSTAT CONTROL			
	AIR DISCHARGE OPERATION		AUTO LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)			
			LCD REMOTE CONTROL			
CONDENSATE DRAIN SIZE	mm/in		16.0/0.63	20.0/0.79		
AIR FILTER			WASHABLE ANTI FUNGUS SARANE FILTER			
OUTDOOR						
COMPRESSOR	TYPE		SOLAR ABSORPTION			
	POWER SOURCE	V/Ph/Hz	240/1/50-60			
	RATED INPUT POWER	W	796	1,068	1,578	
	RATED RUNNING CURRENT	A	3.4	4.7	7.05	
	LOCKED ROTOR AMP.	A	20	25	38	
	PROTECTION DEVICE		OVERLOAD PROTECTION			
FAN	TYPE		PROPELLER/DIRECT			
	RATED RUNNING CURRENT	A	0.26	0.53	0.59	
	RATED INPUT POWER	W	62	126	141	
	MOTOR OUTPUT	W	35	54	64	
DIMENSION	HEIGHT	mm/in	540/21.3	651/25.6	753/29.6	
	WIDTH	mm/in	700/27.6	855/33.7	855/33.7	
	DEPTH	mm/in	250/9.8	328/12.9	328/12.9	
WEIGHT	kg		32	57	58	
CASING	MATERIAL		ELECTRO-GALVANISED MILD STEEL			
	FINISH		EPOXY POLYESTER POWDER			
PIPE	TYPE		FLARE VALVE			
	PIPE SIZE	DISCHARGE	mm(in)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)
		SUCTION	mm(in)	12.70 (1/2)	15.88 (5/8)	15.88 (5/8)
MAXIMUM PIPING LENGTH	m		12	15	15	
FEATURES:						
AUTO RANDOM RESTART*			•	•	•	
BUILT-IN STARTER			•	•	•	
DETACHABLE & WASHABLE FRONT GRILLE			•	•	•	
EASY MAINTENCE BLOWER			•	•	•	
OPTIONAL AIR CLEANING DEVICE						
Nano-Ionizer (NanoShield + Ionizer) - Deluxe Series			•	•	•	
Nano-Plasma (NanoShield + Plasma O ₂) - Luxury Series			•	•	•	

1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2. NOMINAL COOLING CAPACITY IS BASED ON THE FOLLOWING CONDITIONS: COOLING 27°C DB / 19°C WB INDOOR AND 35°C DB OUTDOOR

3. SOUND PRESSURE LEVEL IS TESTED ACCORDING TO JIS B 8615 STANDARD. POSITION OF MEASUREMENT POINT IS 1.0m IN FRONT AND 0.8m BELOW THE UNIT.

*AVAILABLE IN WIRELESS MODELS ONLY.

