



COMMERCIAL

THERMODYNAMIC SOLAR BLOCK



100% ENVIRONMENTAL FRIENDLY
MAX HOT WATER USING SOLAR ENERGY
HOT WATER AVAILABLE 24 HOURS A DAY 7 DAYS A WEEK 365 DAYS A YEAR

Commercial Thermodynamic Solar Block

Solar Thermal Block is a major component of Thermodynamic Solar Heating System. Solar Thermal Block includes

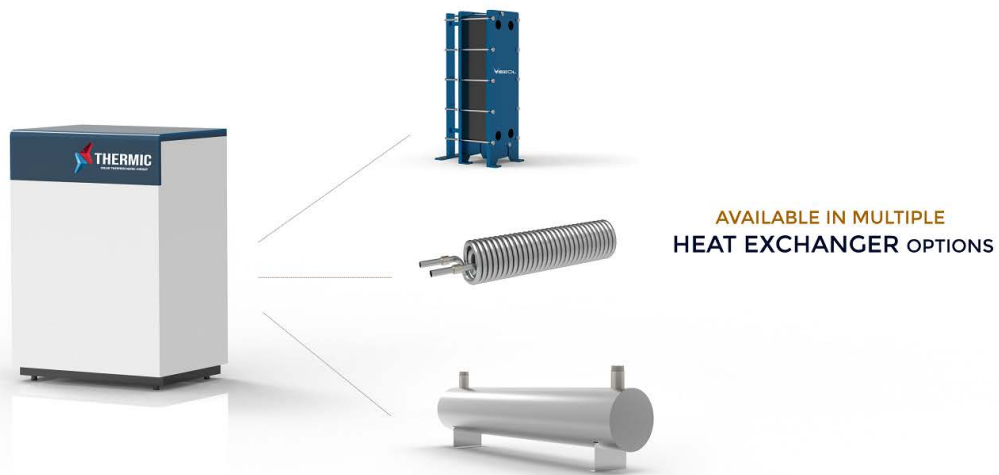
A Low Consumption Compressor- which circulate thermal fluid throughout the closed system

A heat exchanger- which transfer heat from thermal fluid to water of central heating system or pool heating or space heating

An Expansion Valve- which allows thermal fluid expansion by reducing fluid pressure and allow the fluid to pass to thermodynamic panel again.



THERMIC Solar thermal block is capable to produce and supply Hot Water at 60 Degree C throughout the day though it is rainy or snow or night. Maintenance is practically non-existent. THERMIC Solar thermal Block are capable to produce hot water at 3kW to 55kW thermal power.



- Hot Water Production at 60 Degree C throughout Day
- Available with multiple Heat Exchanger
- Can you use upto 40 Thermodynamic Panels
- Available Thermal powerout 3kW- 55kW
- Combination to use with storage from 300L to 6000L
- Cascade models for higher demand

Commercial Thermodynamic Solar Block

Model		CTSB-120	CTSB-140	CTSB-160	CTSB-200	CTSB-300
Power Supply		~380V 50/60HZ				
Max Water Output Temp	°C	65	65	65	65	65
Rated Heat Capacity	W	12000	14000	16000	20000	30000
Rated Power Input	W	3000	3600	4000	5000	7500
Rated Current Input	A	4.5	5.4	6.6	7.5	11.6
Noise	dB	≤55	≤55	≤56	≤60	≤60
Weight	kG	100	120	135	150	180
Size (L*W*H)	mm	800X500X650			900X550X750	
Pipe Connecting Size		G3/4"			G1-1/4"	
Environment Temperature	°C	-20~50				
Storage Tank Volume	L	1000	1500	2000	2500-3000	4000-5000
TSP Area / Panel Area	m ²	16	19.2	22.4	28.8	38.4

Average Consumption assumed as 50L/Person/Day, All design based on Ambient Temp 10-50 Degree C





THERMIC

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