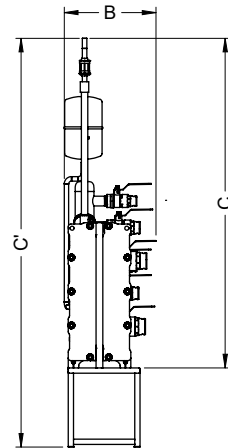
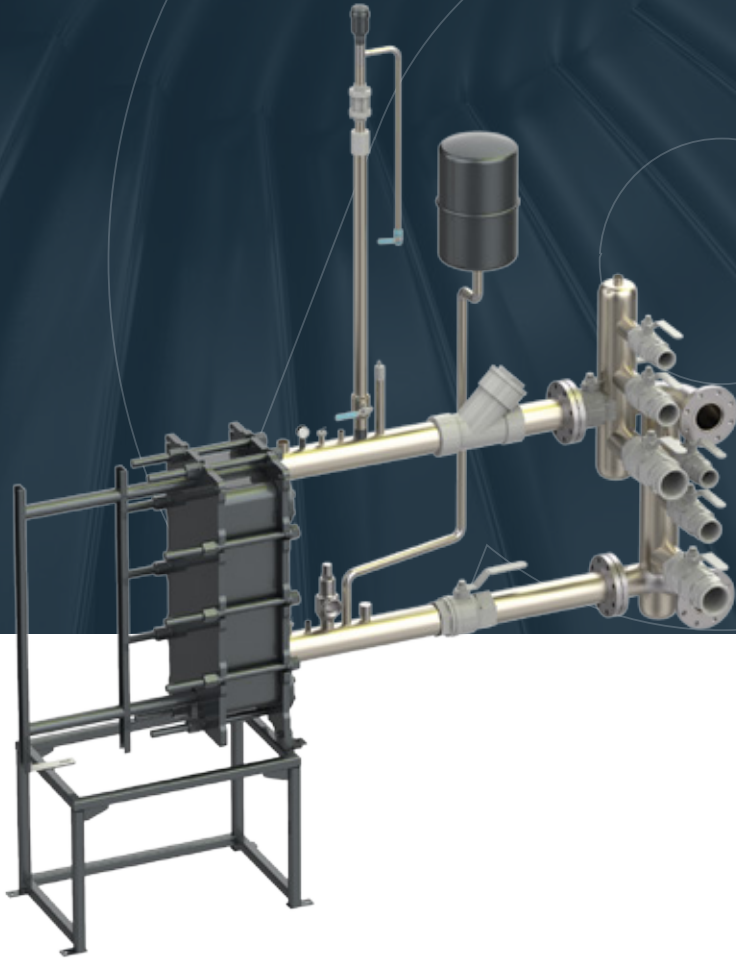


Turbo Charge Air Cooler (Liquid Cooler)

PCS



Features:

- * Engines above a certain capacity have a heat exchanger on the engine to cool the turbo air. Thanks to this heat exchanger, the turbo air is cooled by the heat exchanger on the engine itself without going to an external heat exchanger. An external system is needed to cool the secondary circuit of the heat exchanger through which the turbo air passes. The liquid cooled in the Turbo Charge Air Cooler system is sent to the internal heat exchanger of the engine.
- * Thanks to the low inlet air temperature, the combustion gas temperature is reduced and NOx emission amount is reduced.
- * Turbo charge air cooler systems are of the "liquid-liquid" type (primary fluid liquid, secondary fluid liquid). Fine adjustment can be achieved thanks to the 3-way proportional valve in the secondary circuit (cooling circuit). Protection on the system against conditions such as expansion and pressure increase that may occur in the cooling water at high temperatures available.

Turbo Charge Air Cooler (Liquid Cooler)

MODEL	ENGINE POWER (HP)	TECHNICAL SPECIFICATIONS	
CACU-W-500	250-500	Engine Power Range That Can Be Tested	250-500 HP
		Cooling Capacity	110 KW
		DIMENSIONS	
		Width	550 mm
		Length	1100 mm
		Height	2200 mm
		PRIMARY CIRCUIT (TURBO AIR COOLANT CIRCUIT)	
		Fluid	%50 MEG-%50 Water
		Inlet Temperature	5-80°C
		Temperature Control Range	35-70°C
		Control Sensitivity	± 2°C
		Pressure Loss	0,6 BAR
		SECONDARY CIRCUIT (COOLING WATER CIRCUIT)	
		Fluid	Water
		Inlet Temperature	5-30°C
Maximum ΔT	15°C		
Pressure Loss	0,45 BAR		
CACU-W-1500	500-1500	Engine Power Range That Can Be Tested	500-1500 HP
		Cooling Capacity	352 KW
		DIMENSIONS	
		Width	550 mm
		Length	1500 mm
		Height	2200 mm
		PRIMARY CIRCUIT (ENGINE WATER CIRCUIT)	
		Fluid	%50 MEG-%50 Water
		Inlet Temperature	5-80°C
		Temperature Control Range	35-70°C
		Control Sensitivity	± 2°C
		Pressure Loss	0,42 BAR
		SECONDARY CIRCUIT (ENGINE WATER CIRCUIT)	
		Fluid	Water
		Inlet Temperature	5-30°C
Maximum ΔT	15°C		
Pressure Loss	0,36 BAR		
CACU-W-2500	1500-2500	Engine Power Range That Can Be Tested	1500-2500 HP
		Cooling Capacity	590 KW
		DIMENSIONS	
		Width	550 mm
		Length	1750 mm
		Height	2200 mm
		PRIMARY CIRCUIT (ENGINE WATER CIRCUIT)	
		Fluid	%50 MEG-%50 Water
		Inlet Temperature	5-80°C
		Temperature Control Range	35-70°C
		Control Sensitivity	± 2°C
		Pressure Loss	0,48 BAR
		SECONDARY CIRCUIT (ENGINE WATER CIRCUIT)	
		Fluid	Water
		Inlet Temperature	5-30°C
Maximum ΔT	15°C		
Pressure Loss	0,41 BAR		

Special design Charge Air Cooler systems up to 3000 HP are designed for your higher capacity engines.