

PURESTREAM

AMBIENT FLUID COOLER

BY FRIULAIR

TM



ACW Air Cooled Fluid Cooler

Cooling capacity from .19 Ton to .40

Turn off your Water costs by installing a Plug and Play PURESTREAM Fluid Cooler!

ACW ambient fluid coolers are specifically designed for welders and for all industrial applications that require water cooling at temperatures not lower than the ambient temperature.

The range includes 2 models equipped with:

- On-off disconnect switch
- Tube and fin condenser
- Condenser fan motor
- Plastic water tank
- Peripheral pump
- Water level indicator
- Feet



Working limits:

- Water temperature: +5°C/+55°C (min/max)
- Ambient temperature: +5°C/+40°C (min/max)

Available options:

- Wheels
- Electronic controller

Technical Data

	Cooling capacity [kW] / Ton	Total power input [kW]	Total absorbed current [kW]	Power supply [V/ph/Hz]	IP protection degree	Tank capacity [l]	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]	Water connection size [inch]
ACW001	.66/.19	0.31	2.95	115/1/60	IP20	2	433	497	457	26	3/8" F
ACW002	1.41/.40	0.35	3.13	115/1/60	IP20	2	433	497	457	26	3/8" F

- Nominal reference condition:
- Ambient temperature: 20°C
- Outlet water temperature: 25°C

The outlet water temperature can be calculated as follows: $T_f = T_i - \frac{P}{m c_p}$

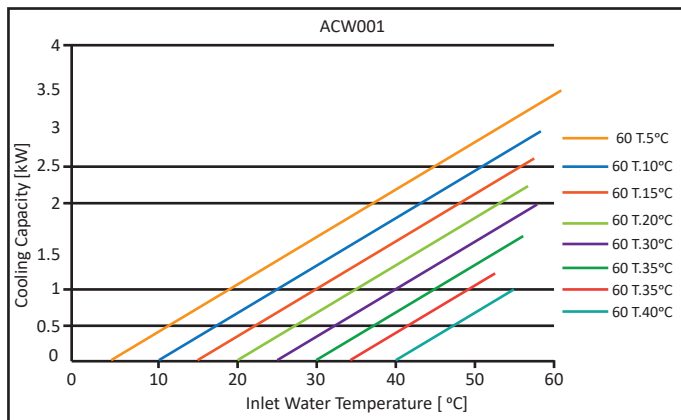
T_f Outlet water temperature [K]

T_i Inlet water temperature [K]

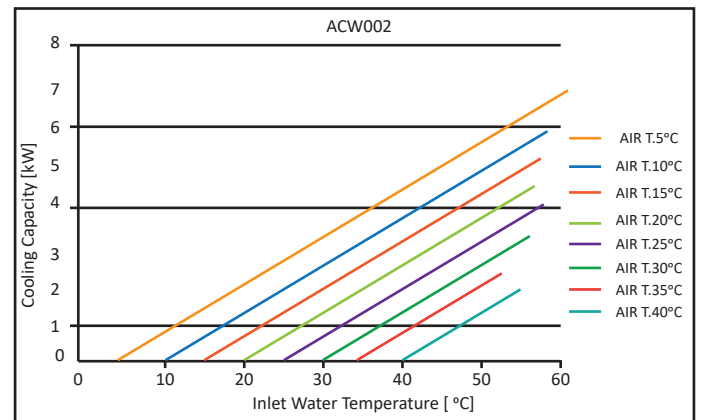
P Cooling capacity [kW]

m Water flow [kg/s]

c_p Specific heat at constant pressure [kJ/kg K]



Referred to 100 l/h water flow



Referred to 200 l/h water flow

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