GREEN BOX

FLUID COOLER SERIES FCW

The Fluid Coolers are air/water Heat Exchangers, that cool water with ambient air. Axial fans circulate air through the coils, with very low energy consumption.

Advantages of a Fluid Cooler System:

- Low energy consumption.
- No water consumption.
- No contamination of process water.
- No calcium deposits: the closed circuit system keeps the quantity of salts unchanged.
- Easy installation and Modular
- Easy integration to existing cooling systems.
- Quick return of investment.

The FC-W series is designed for outdoors installation. A required percentage of Glycol must be added to the water to prevent freezing if the ambient temperature can reach 32° F or lower values.

Main Features:

- Frame made of Galvanized Steel coated with Polyester paint RAL 9002.
- High-Efficiency finned coil Heat Exchangers; the particular “V-shape” optimizes air circulation through the coils to increase the efficiency.
- The “V-shaped” Heat Exchangers minimize footprint.
- Low noise Axial Fans with external motor.
- Closed-Loop circuit allows easy installation in parallel with other units, and makes combination with any existing chilling system possible.
- Control Panel with Microprocessor and Display of set/operating temperatures and automatic rotation of fan sequence.
- Individual Overload Protection for each fan.

FCW41/90

Standard Option:

- Water Spray Nozzles allow performance improvement for extreme high temperature conditions, using Adiabatic air cooling at the coils inlet.

Additional Options:

- Softwater System to reduce limestone deposits.
- Water Pump with Control Box.
- Automatic Glycol Filling System.

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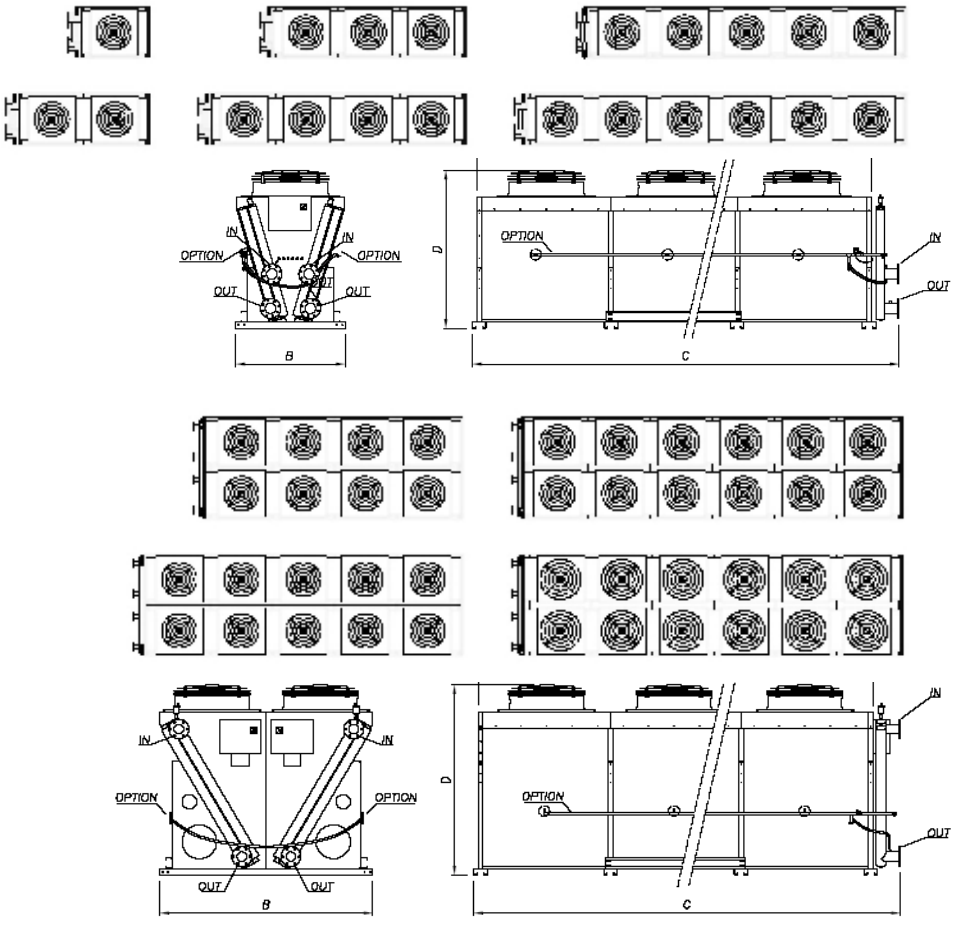
TECHNICAL DATA

Model	Cooling Capacity		EC Fans			Internal Water Volume	Dimensions			Net Weight	Total Air Flow	Connections
			Qty.	Dia.	Nom.		W	L	H			Victaulic
	tons[1)]	tons[2)]	#	mm	HP	Gal.	in	in	in	lbs.	CFM	in
FCW11/90	35	22	1	900	3.8	11	46	73	69	730	19.085	1-1/2
FCW21/90	69	43	2	900	7.5	22	46	128	69	1,115	38,170	2
FCW31/90	103	64	3	900	11.3	33	46	183	69	1,895	57,255	2-1/2
FCW41/90	137	86	4	900	15	44	46	238	69	2,476	76,335	3
FCW51/90	171	107	5	900	18.8	55	46	293	69	2,996	95,420	4
FCW61/90	205	128	6	900	22.5	66	46	348	69	3,530	114,505	4
FCW82/90	228	137	8	900	30	63	84	238	87	4,829	143,245	4
FCW102/90	285	171	10	900	37.5	78	84	293	87	5,856	179,060	4
FCW122/90	342	205	12	900	45.1	94	84	348	87	6,971	214,870	4
FCW142/90	399	239	14	900	52.6	109	84	404	87	8,133	250,680	4

Note[1)]: Considering 95° F Leaving Water Temperature, 105° F Entering Water Temperature, and 77° F Dry Bulb

Note[2)]: Considering 85° F Leaving Water Temperature, 95° F Entering Water Temperature, and 77° F Wet Bulb



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