



MODEL RO CHILLER



Applications

- Coolant Filtration
- Heat Treating
- General Machining
- High Speed Machining
- EDM
- Metal Forming
- Metal Finishing
- Waste Treatment

RECIRCULATE COOLANT FROM A REMOTE TANK

Open-Loop coolers recirculate fluid from a remote tank, through the cooler and back to the tank. The cooler works to maintain a constant fluid temperature in the tank. The pump and evaporator are in the cooler. When the pump is energized it draws fluid from the remote tank and pumps it through the evaporator in the cooler and back to the tank. The temperature controller senses the temperature of the fluid entering the cooler and controls the refrigeration effect in the evaporator to provide the desired fluid temperature in the tank. The cooler should be installed as near as possible to the tank.

OCO-RO Models are compatible with Oil or Oil-Based Coolants Including de-ionized water, water/glycol mixtures, and water-based synthetic coolants.

Evaporators are brazed, enhanced stainless steel plates. Piping and fittings are copper, bronze, steel, or hose. Self-priming, cast-iron gear pumps are standard. Oil recirculating through the cooler must be clean, otherwise specify optional In-Line Filter (-ILF) or Cleanable Heat Exchanger (-CHX).

Phone: (815) 836-1900 Fax: (815) 836-1901

618 Anderson Drive, Suite A, Romeoville, IL 60446

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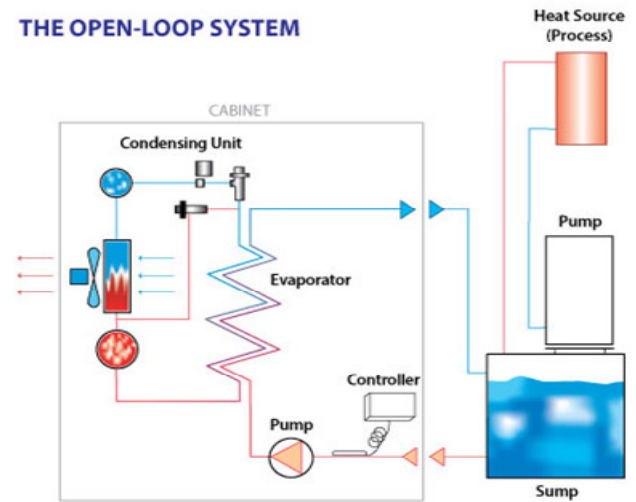
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THE OPEN-LOOP SYSTEM



Model	Rated Cooling Capacity*			Comp.	Pump	Standard Voltage	Standard Dimensions **						Shipping Weight	
	BTU/hr	watts	Kcal/hr				Inches			Centimeters			lb	kg
Water				hp	gpm		W	L	H	W	L	H	lb	kg
OC-25 RO	2500	750	625	1/4	1.6	230/60/1	16.5	18	32	42	47	81	150	68
OC-33 RO	3300	970	825	1/3	1.6	230/60/1	16.5	18	32	42	47	81	150	68
OC-50 RO	5000	1760	1500	1/2	2.5	230/60/1	16.5	22	34	42	56	86	200	90
OC-75 RO	8000	2350	2000	3/4	4	230/60/1	16.5	22	34	42	56	86	200	90
OC-100 RO	12000	3520	3000	1	6	230/60/1	22	30	38	56	76	97	300	135
OC-150 RO	18000	5280	4500	1-1/2	8	460/60/3	22	30	38	56	76	97	350	160
OC-200 RO	24000	7040	6000	2	8	460/60/3	28	32	52	71	81	132	550	250
OC-300 RO	36000	10560	9000	3	12	460/60/3	32	34	56	81	86	144	600	273
OC-400 RO	48000	14000	12000	4	16	460/60/3	36	50	56	92	127	144	750	320
OC-500 RO	60000	17600	15000	5	20	460/60/3	36	50	56	92	127	144	850	395
OC-750 RO	90000	26400	22500	7-1/2	30	460/60/3	36	50	66	92	127	168	1000	460
OC-1000 RO	120000	35200	30000	10	40	460/60/3	46	74	60	117	188	153	1200	550
OC-1500 RO	180000	52800	45000	15	60	460/60/3	46	87	78	117	221	198	1500	680
OC-2000 RO	240000	70400	60000	20	80	460/60/3	46	87	78	117	221	198	2500	1150
OC-2500 RO	300000	88000	75000	25	100	460/60/3	48	116	78	122	295	198	2500	1150
OC-3000 RO	360000	105600	90000	30	120	460/60/3	48	116	78	122	295	198	2800	1300

*Capacities based on cooling water to 60°F (16°C) or cooling oil to 80°F (28°C) in a 90°F (32°C) ambient. **Options may affect dimensions.

RO COOLER OPTIONS

- Digital Temperature Controller.** Provides close temperature control (±0.5°F). Displays both set-point and coolant temperature.
- Ambient Tracking Controller.** A dual input digital temperature controller allows the coolant temperature to track ambient temperature at a constant, adjustable differential. Displays both ambient and coolant temperature.
- Temperature Fault Interlock.** Indicates coolant temperature is out of range.
- Low Flow Interlock.** Prevents damage to machine on loss of flow.
- Optional Pumps.** A variety of pumps are available to meet almost any flow and pressure requirement for both water and oil based coolants.

Special features available upon request

- In-Line Heater.** Warms up coolant to optimal operating temperature.
- In-Line Filter.** Protects the evaporator from clogging.
- Cleanable Evaporator.** Require for dirty or potentially dirty fluids, out of reach, such as on top of a large coolant filtration system.
- Pure System.** Coolant only comes in contact with stainless steel or plastic.
- Non-Copper.** Oil only comes in contact with iron or stainless steel.
- Non-Refrigerated Cooler.** Uses central chilled water or ambient air instead of refrigeration. Saves space and maintenance.
- Water-Cooled Condenser.** For use with tower or city water. Removes heat from the work area while saving space and maintenance.

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