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.

Optional Pumps. A variety of pumps are available to meet almost any flow and pressure requirement for both water-and oil-based coolants.

Low Flow Interlock. Prevents damage to machine on loss of flow.

Temperature Fault Interlock. Indicates coolant temperature is out of range.

In-Line Heater. Warms up coolant to optimum operating temperature.

In-Line Filter. Protects the evaporator from clogging.

Cleanable Evaporator. Required for dirty or potentially dirty fluids.

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.

RO COOLER SPECS

MODEL	RATED COOLING CAPACITY*			COMP.	STANDARD PUMP CAPACITY		STANDARD VOLTAGE	STANDARD DIMENSIONS** inches			centimeters			SHIPPING WEIGHT	
WATER	BTU/hr	watts	Kcal/hr	hp	gpm	lpm		w	d	h	w	d	h	lb	kg
OC-25RO	2500	750	625	1/4	1.6	6	230/60/1	16.5	18	32	42	47	81	150	68
OC-33RO	3300	970	825	1/3	1.6	6	230/60/1	16.5	18	32	42	47	81	150	68
OC-50RO	5000	1760	1500	1/2	2.5	9	230/60/1	16.5	22	34	42	56	86	200	90
OC-75RO	8000	2350	2000	3/4	4	15	230/60/1	16.5	22	34	42	56	86	200	90
OC-100RO	12000	3520	3000	1	6	23	230/60/1	22	30	38	56	76	97	300	135
OC-150RO	18000	5280	4500	1 1/2	8	30	460/60/3	22	30	38	56	76	97	350	160
OC-200RO	24000	7040	6000	2	8	30	460/60/3	28	32	52	71	81	132	550	250
OC-300RO	36000	10560	9000	3	12	45	460/60/3	32	34	56	81	86	144	600	273
OC-400RO	48000	14000	12000	4	16	60	460/60/3	36	50	56	92	127	144	750	320
OC-500RO	60000	17600	15000	5	20	75	460/60/3	36	50	56	92	127	144	850	395
OC-750RO	90000	26400	22500	7 1/2	30	112	460/60/3	36	50	66	92	127	168	1000	460
OC-1000RO	120000	35200	30000	10	40	150	460/60/3	46	74	60	117	188	153	1200	550
OC-1500RO	180000	52800	45000	15	60	225	460/60/3	46	87	78	117	221	198	1500	680
OC-2000RO	240000	70400	60000	20	80	300	460/60/3	46	87	78	117	221	198	2500	1150
OC-2500RO	300000	88000	75000	25	100	375	460/60/3	48	116	78	122	295	198	2500	1150
OC-3000RO	360000	105600	90000	30	120	450	460/60/3	48	116	78	122	295	198	2800	1300
OIL															
OCO-25RO	2500	750	625	1/4	1.5	5.6	230/60/1	16.5	18	39	42	47	99	150	68
OCO-33RO	3300	970	825	1/3	1.5	5.6	230/60/1	16.5	18	39	42	47	99	150	68
OCO-50RO	5000	1760	1500	1/2	2.5	9.5	230/60/1	18.5	24	40	46	61	102	200	90
OCO-75RO	8000	2350	2000	3/4	5	19	230/60/1	18.5	24	40	46	61	102	200	90
OCO-100RO	12000	3520	3000	1	8	30	230/60/1	22	30	46	56	76	117	300	135
OCO-150RO	18000	5280	4500	1 1/2	8	30	460/60/3	22	30	46	56	76	117	350	160
OCO-200RO	24000	7040	6000	2	12	45	460/60/3	28	32	50	71	81	127	550	250
OCO-300RO	36000	10560	9000	3	18	68	460/60/3	32	36	56	81	92	144	600	273
OCO-400RO	48000	14000	12000	4	24	90	460/60/3	36	50	56	92	127	144	750	320
OCO-500RO	60000	17600	15000	5	30	112	460/60/3	36	50	56	92	127	144	850	395
OCO-750RO	90000	26400	22500	7 1/2	40	150	460/60/3	36	60	66	92	153	168	1000	460
OCO-1000RO	120000	35200	30000	10	50	190	460/60/3	46	74	60	117	188	153	1200	550
OCO-1500RO	180000	52800	45000	15	75	280	460/60/3	46	87	78	117	221	198	1500	680
OCO-2000RO	240000	70400	60000	20	100	375	460/60/3	46	87	78	117	221	198	2500	1150
OCO-2500RO	300000	88000	75000	25	125	470	460/60/3	48	116	78	122	295	198	2500	1150
OCO-3000RO	360000	105600	90000	30	150	560	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 COOLERS OPEN-LOOP

RECIRCULATE FLUID FROM A REMOTE TANK

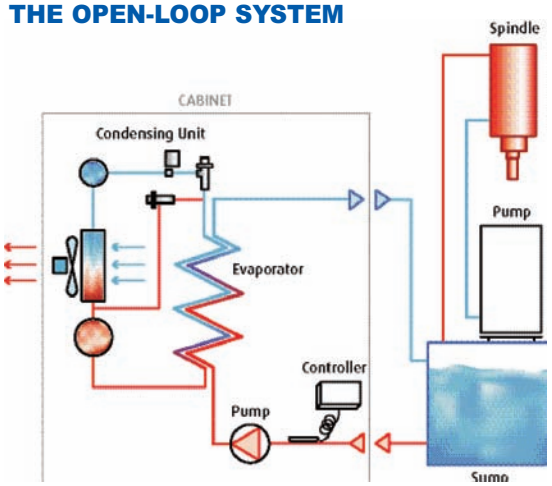
OC Models for Water or Water-Based Coolants including de-ionized water, water/glycol mixtures, and water-based synthetic coolants. Evaporators are brazed, stainless steel plates. Piping and fittings are non-ferrous. Self-priming, bronze, centrifugal pumps are standard. Coolant recirculating through the cooler must be clean, otherwise specify optional In-Line Filter (-ILF) or Cleanable Evaporator (-CEV).

OCO Models for Oil or Oil-Based 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).

APPLICATIONS

Coolant Sumps	EDM	Headstocks
Filtration Tanks	Process Tanks	Gear Boxes
Hydraulic Tanks	Quench Tanks	Fish Tanks

THE OPEN-LOOP SYSTEM



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. The tank is remote.

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.

OC-1000RO

OC-33RO

OCO-150RO-ILF