IL 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.

Flow Meter/Switch. Adjust coolant flow to optimum setting.

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.

Water-Cooled Condenser. For use with tower or city water. Removes heat from the work area while saving space and maintenance.

IL COOLER SPECS

MODEL	RATED COOLING CAPACITY*			COMP.	MINIMUM FLOW		STANDARD VOLTAGE	STANDARD DIMENSIONS** inches			centimeters			SHIPPING WEIGHT	
WATER	BTU/hr	watts	Kcal/hr	hp	gpm	lpm		width	depth	height	width	depth	height	lb	kg
OC-25 IL	2500	750	625	1/4	1	3.8	230/60/1	16.5	18	24	42	46	61	100	45
OC-33 IL	3300	970	825	1/3	1	3.8	230/60/1	16.5	18	24	42	46	61	100	45
OC-50 IL	5000	1760	1500	1/2	1.5	5.7	230/60/1	16.5	25	24	42	64	61	150	68
OC-75 IL	8000	2350	2000	3/4	2	7.5	230/60/1	16.5	25	24	42	64	61	150	68
OC-100 IL	12000	3520	3000	1	3	11	230/60/1	22	32	26	56	81	66	300	135
OC-150 IL	18000	5280	4500	1 1/2	4.5	17	460/60/3	22	32	26	56	81	66	350	160
OC-200 IL	24000	7040	6000	2	6	23	460/60/3	36	32	30	92	81	76	550	250
OC-300 IL	36000	10560	9000	3	9	34	460/60/3	36	36	34	92	92	86	600	273
OC-400 IL	48000	14000	12000	4	12	45	460/60/3	36	50	34	92	127	86	750	320
OC-500 IL	60000	17600	15000	5	15	56	460/60/3	36	50	34	92	127	86	850	395
OC-750 IL	90000	26400	22500	7 1/2	25	95	460/60/3	36	50	66	92	127	168	1000	460
OC-1000 IL	120000	35200	30000	10	30	112	460/60/3	46	74	60	117	188	153	1200	550
OC-1500 IL	180000	52800	45000	15	45	170	460/60/3	46	87	78	117	221	198	1500	680
OC-2000 IL	240000	70400	60000	20	60	225	460/60/3	46	87	78	117	221	198	2500	1150
OC-2500 IL	300000	88000	75000	25	75	280	460/60/3	48	116	78	122	295	198	2500	1150
OC-3000 IL	360000	105600	90000	30	90	340	460/60/3	48	116	78	122	295	198	2800	1300
OIL															
OCO-25 IL	2500	750	625	1/4	2	7.5	230/60/1	16.5	18	24	42	46	61	150	68
OCO-33 IL	3300	970	825	1/3	2	7.5	230/60/1	16.5	18	24	42	46	61	150	68
OCO-50 IL	5000	1760	1500	1/2	3	11	230/60/1	16.5	25	24	42	64	61	200	90
OCO-75 IL	8000	2350	2000	3/4	4	15	230/60/1	16.5	25	24	42	64	61	200	90
OCO-100 IL	12000	3520	3000	1	6	23	230/60/1	22	32	26	56	81	66	300	135
OCO-150 IL	18000	5280	4500	1 1/2	9	34	460/60/3	22	32	26	56	81	66	350	160
OCO-200 IL	24000	7040	6000	2	12	45	460/60/3	36	32	30	92	81	76	550	250
OCO-300 IL	36000	10560	9000	3	18	68	460/60/3	36	36	34	92	92	86	600	273
OCO-400 IL	48000	14000	12000	4	24	90	460/60/3	36	50	34	92	127	86	750	320
OCO-500 IL	60000	17600	15000	5	30	112	460/60/3	36	50	34	92	127	86	850	395
OCO-750 IL	90000	26400	22500	7 1/2	50	190	460/60/3	36	50	66	92	127	168	1000	460
OCO-1000 IL	120000	35200	30000	10	60	225	460/60/3	46	74	60	117	188	153	1200	550
OCO-1500 IL	180000	52800	45000	15	90	340	460/60/3	46	87	78	117	221	198	1500	680
OCO-2000 IL	240000	70400	60000	20	120	450	460/60/3	46	87	78	117	221	198	2500	1150
OCO-2500 IL	300000	88000	75000	25	150	560	460/60/3	46	87	78	117	221	198	2500	1150
OCO-3000 IL	360000	105600	90000	30	180	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.

IL COOLERS
IN-LINE

PUMP FLUIDS THROUGH THE IN-LINE COOLER

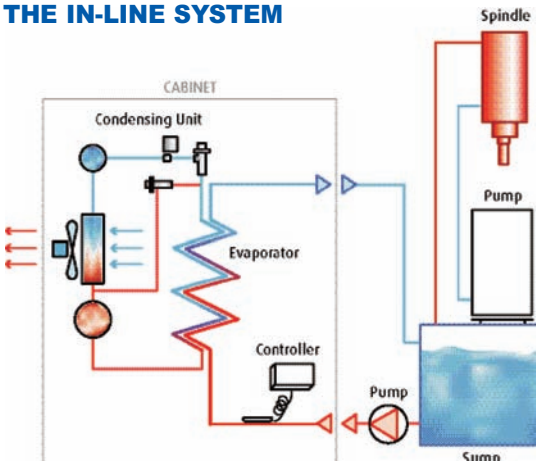
OC Models for Water or Water-Based Coolants including de-ionized water, water/glycol mixtures, and water-based synthetic coolants. Evaporators are brazed stainless steel plates rated for 350 PSI working pressure. Piping and fittings are non-ferrous. A Low Flow switch automatically shuts down refrigeration on loss of coolant flow. Coolant passing through 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 rated for 350 PSI working pressure. Piping and fittings are copper, bronze, steel or hose. A Low Flow switch automatically shuts down refrigeration on loss of oil flow.

APPLICATIONS

Coolant Systems	EDM	Film Developing
Filtration Systems	Cold Spray	Ingredient Water
Hydraulic Systems	Batch Cooling	Food Processing

THE IN-LINE SYSTEM



In-Line coolers cool fluid that is passing through under pressure. Only the evaporator is in the cooler. Both the pump and tank are remote.

These coolers are often used in applications where it is advantageous to have the pump mounted on or near the tank to recirculate fluid through the cooler and back to the tank. This type of installation is necessary when the cooler is installed too far above or away from the tank to allow for the use of an Open-Loop cooler. The temperature controller senses the temperature of the fluid entering the cooler and cycles the refrigeration effect to maintain the desired fluid temperature in the tank.

OC-1500IL

OCO-300IL

OC-50IL