DI 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 Level Interlock. Protects cooler from operating at low coolant level.

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

Special Dimensions. Cabinets and/or coils sized to the application. Coils can be modified to fit specific tanks.

Remote Controls. Available for applications where the cooler is installed out of reach, such as on top of a large coolant filtration system.

No Agitation Pump. For applications where there is sufficient coolant flow through the coils for proper heat exchange.

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

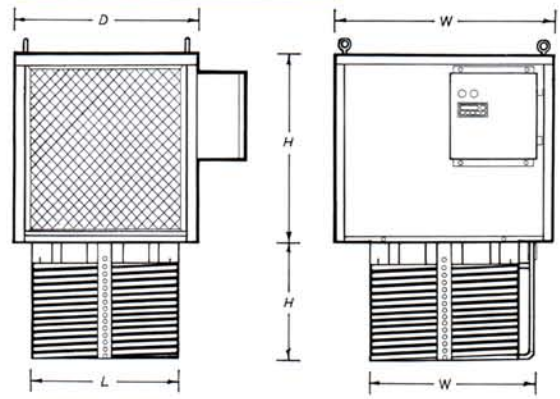
DI COOLER SPECS

MODEL	RATED COOLING CAPACITY			COMP.	PUMP	STANDARD VOLTAGE	CABINET DIMENSIONS** inches			CABINET DIMENSIONS** centimeters			COIL DIMENSIONS** inches			COIL DIMENSIONS** centimeters			SHIPPING WEIGHT	
WATER	BTU/hr	watts	Kcal/hr	hp	hp		w	d	h	w	d	h	w	l	h	w	l	h	lb	kg
OC-25 DI	2500	750	625	1/4	na	230/60/1	16.5	22	16	42	56	41	12	14	12	30	35	30	100	45
OC-33 DI	3300	970	825	1/3	na	230/60/1	16.5	22	16	42	56	41	12	14	12	30	35	30	100	45
OC-50 DI	5000	1760	1500	1/2	na	230/60/1	16.5	22	16	42	56	41	14	16	12	35	41	30	180	82
OC-75 DI	8000	2350	2000	3/4	na	230/60/1	26	26	20	66	66	51	22	22	16	56	56	41	200	90
OC-100 DI	12000	3520	3000	1	1/6	230/60/1	26	26	20	66	66	51	22	22	16	56	56	41	300	135
OC-150 DI	18000	5280	4500	1 1/2	1/6	460/60/3	28	28	28	71	71	71	24	24	16	61	61	41	480	205
OC-200 DI	24000	7040	6000	2	1/4	460/60/3	28	28	28	71	71	71	24	24	16	61	61	41	550	250
OC-300 DI	36000	10560	9000	3	1/4	460/60/3	32	36	32	81	92	81	28	28	16	71	71	41	1000	460
OC-400 DI	48000	14000	12000	4	1/4	460/60/3	36	50	32	92	127	81	33	38	20	84	97	51	750	320
OC-500 DI	60000	17600	15000	5	1/4	460/60/3	36	50	32	92	127	81	33	38	20	84	97	51	850	395
OC-750 DI	90000	26400	22500	7 1/2	(2) 1/4	460/60/3	36	60	42	92	153	107	33	57	20	84	145	51	1000	460
OC-1000 DI	120000	35200	30000	10	(2) 1/4	460/60/3	46	74	56	117	188	142	38	62	20	97	158	51	1200	550
OIL																				
OCO-50 DI	5000	1760	1500	1/2	1/6	230/60/1	26	26	20	66	66	51	22	22	16	56	56	41	200	90
OCO-75 DI	8060	2350	2000	3/4	1/6	230/60/1	26	26	20	66	66	51	22	22	16	56	56	41	250	115
OCO-100 DI	12000	3520	3000	1	1/6	230/60/1	28	28	20	71	71	51	26	26	16	66	66	41	300	135
OCO-150 DI	18000	5280	4500	1 1/2	1/6	460/60/3	28	28	28	71	71	71	26	26	16	66	66	41	500	230
OCO-200 DI	24000	7040	6000	2	1/4	460/60/3	32	36	28	81	92	71	30	30	16	76	76	41	650	300
OCO-300 DI	36000	10560	9000	3	1/4	460/60/3	32	36	32	81	92	81	30	30	16	76	76	41	750	320
OCO-500 DI	60000	17600	15000	5	(2) 1/4	460/60/3	36	66	36	92	168	92	32	62	20	81	158	51	900	414
OCO-750 DI	90000	26400	22500	7 1/2	(2) 1/4	460/60/3	36	66	36	92	168	92	32	62	20	81	158	51	1000	460
OCO-1000 DI	120000	35200	30000	10	(2) 1/4	460/60/3	46	74	56	117	188	142	42	70	20	107	178	51	1400	694

*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.

OC-33DI

DIMENSIONS



DI COOLERS
DROP-IN

SPACE-SAVING DESIGN TO COOL FLUIDS IN A TANK

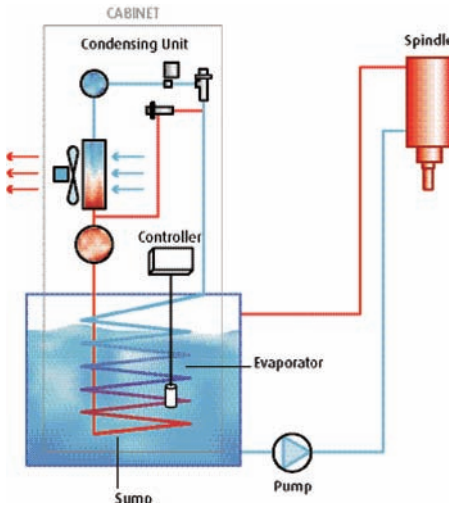
OC Models for Water or Water-Based Coolants including de-ionized water, water/glycol mixtures, and water-based synthetic coolants. Ideal for dirty coolants. Evaporators are seamless, stainless steel, immersion coils. Coil dimensions can be modified to fit tank. Agitation pumps are provided as standard on larger models (1 HP and above).

OCO Models for Light Oil or Oil-Based Coolants. Not suitable for all oils or installations (check with Turmoil). Minimum set-point temperature: 80ºF (27ºC). Evaporators are seamless, stainless steel, immersion coils. Coil dimensions can be modified to fit tank. Agitation pumps are standard on all models.

APPLICATIONS

Coolant Tanks
Settling Tanks
Quench Tanks
Filtration Tanks
EDM
Fish Tanks

THE DROP-IN SYSTEM



Drop-In coolers are designed to be mounted on top of a tank to cool the fluid that is passing through it. The stainless steel immersion coil type evaporator is submerged into the fluid in the tank. A small agitation pump continuously moves the fluid around the evaporator coils ensuring proper heat transfer. The temperature controller senses the fluid temperature and controls the refrigeration effect to maintain the fluid in the tank at the desired temperature.

Drop-In coolers save floor space and are ideal for installation on tanks where the coolant is too dirty to pump through a heat exchanger. The cooler can readily be lifted out for tank cleaning or inspection.

OC-750DI

OC-300DI