DROP IN CHILLER
DI MODELS

OC-300DI

Applications

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

SPACE SAVING DESIGN TO COOL FLUIDS IN A TANK

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

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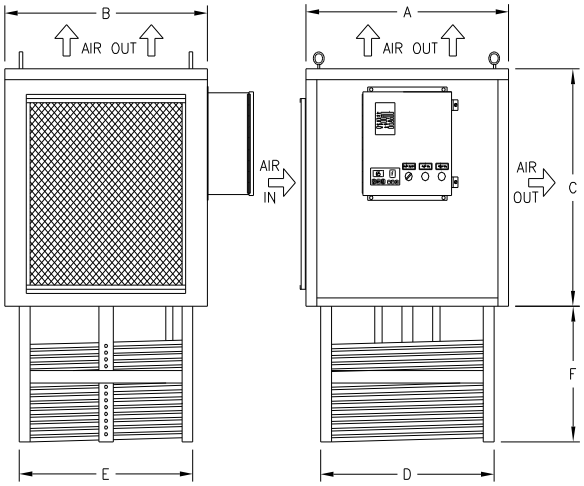

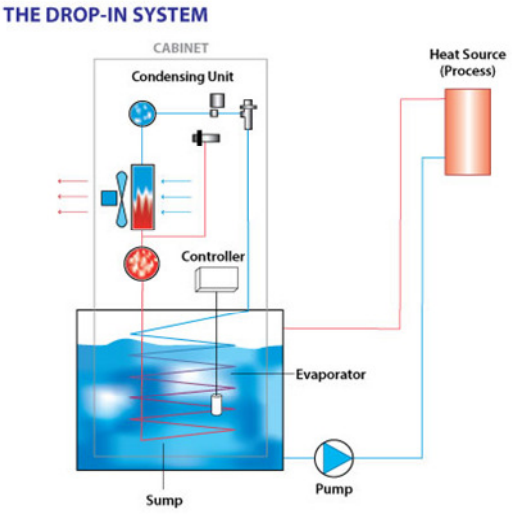

Model	Rated Cooling			Comp.	Pump	Standard Voltage	Cabinet Dimensions ** Inches			Cabinet Dimensions ** Centimeters			Coil Dimensions ** Inches			Coil Dimensions ** Centimeters			Shipping Weight	
Water	BTU/hr	watts	Kcal/hr	hp	hp		A	B	C	A	B	C	D	E	F	D	E	F	lb	kg
OC-25 DI	2500	750	625	1/4	NA	230/60/1	16.5	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

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

DI COOLER OPTIONS

Digital Temperature Controller. Provides close temperature control (±0.5ºF). 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.

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

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 in-stalled
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.

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