

NON-REFRIGERATED RE-CIRCULATING HEAT EXCHANGERS / ISOLATORS

OTI Series – Portable Fluid to Fluid

A Partial List of Process Cooling Markets: Aero. & Defense, Digital Printing, Food & Beverage, Mobile Imaging, Plastics Photonics, Research, & Semi-Conductor.



Model OTI-5W to 15W shown

Features:

- 5 to 100 kW of cooling capacity
- Opti Temp modulated temperature control
- Micro-processor based PID auto tuning controller with digital display
- Programmable high temp or high/low temp alarm
- Temp output in °C or °F
- Dual frequency compatible
- Operating temperature ranges up to 90 C
- Non-ferrous wetted construction standard
- Rugged powder coated steel cabinetry
- Stainless steel MNPT process connections
- Swivel casters standard
- Removable cover and side access panels
- NEMA 1 electrical enclosure standard
- S.S. brazed plate evaporator
- Power cord provided
- One year limited warranty

Contact Information:

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Models OTI-5W to 100W 5 to 10 kW

Options:

Controls / Interlocks

- PLC controller
- RS232 and RS485 communication
- Ethernet ready controller
- Remote start/stop
- Audible alarm with silence
- Visual alarm beacon
- Remote control
- Fluid monitoring and control devices

Electrical

- NEMA 4 (outdoor) controls
- 24V control systems
- Phase monitor
- Power cord extension
- CE compliance
- NRTL certifications

Mechanical

- Specialty wetted construction materials
- Multiple pump upgrades
- Anti-drain back prevention
- Particle filters
- UV filters
- Immersion heaters
- Remote temp sensing
- Fluid circuit insulation
- Manifolds
- Drain kits
- Extended warranty

Other

- Fluid conductivity control systems
- Automatic fluid pH control systems
- OPTISHIELD® corrosion inhibitors

**Please contact our sales & applications department
for a more complete list of available options.**

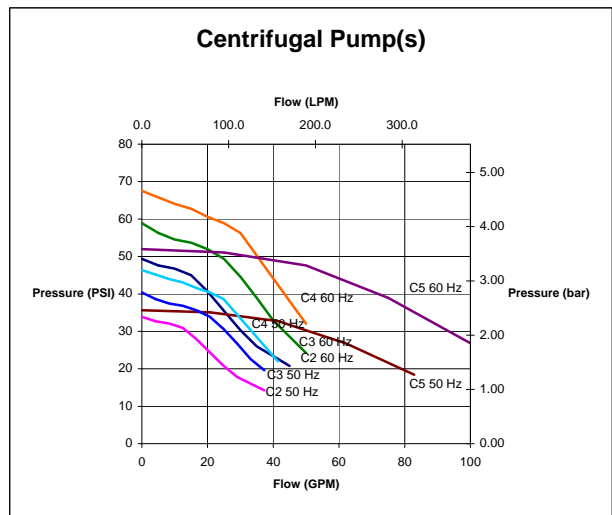
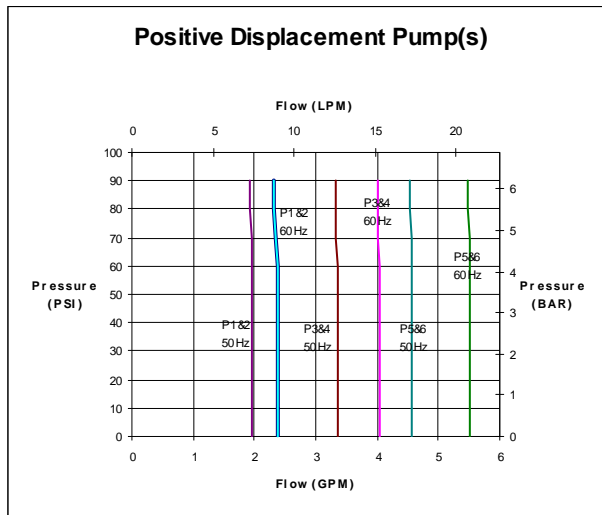
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Specifications⁽¹⁾

Description		OTI-5W	OTI-10W	OTI-15W	OTI-20W	OTI-30W	OTI-40W	OTI-60W	OTI-100W
Standard Flow Rating ⁽²⁾	GPM at	4	4	5.5	5.5	12	15	25	40
	PSI	65	65	65	65	45	54	59	56
Max Available Flow Range	GPM	6	6	5.5	5.5	26	38	48	96
Pump (Standard) ⁽²⁾	HP Code	0.33 P3	0.33 P3	0.5 P5	0.5 P5	1 C2	1.5 C3	2 C4	3 C5
Connection	MPT	0.5	0.5	0.5	0.5	1	1.25	1.25	1.5
Capacity ⁽³⁾	KW	5	10	15	20	30	40	60	100
	BTU/hr	17060	34120	51180	68240	102360	136480	204720	341200
	tons	1.42	2.84	4.27	5.69	8.53	11.37	17.06	28.43
Optional Immersion Heater	KW	1	1	1	1	1	1	1	1
Full Load Amps ⁽⁴⁾	115/1/60	6.8	6.8	9.1	9.1				
	100/1/50	6.8	6.8	9.1	9.1				
	230/1/60	3.4	3.4	4.6	4.6	8.9	11	13.1	18.3
	230/1/50	3.4	3.4	4.6	4.6	8.9	11	13.1	18.3
	230/3/60	3.4	3.4	4.6	4.6	4.2	5.9	7.6	10.5
	460/3/60					2.1	3.0	3.8	5.3
Dimensions ⁽⁵⁾	Height	22.5	22.5	22.5	27.5	27.5	45	45	45
	Width	10	10	10	28	28	34.5	34.5	34.5
	Depth	32	32	32	25	25	26	26	26
Weight	lbs.	90	105	120	145	165	265	315	415
Internal Reservoir	Gallon	2.5	2.5	2.5	2.5	2.5	9	9	9
Temp Stability ⁽⁶⁾	°F	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2

(1) As a result of continuous improvement efforts, specifications are subject to change without notice or liability. (2) Pump pressures at pump discharge. (3) Capacity based on 10°C approach differential temperature. (4) Full load amps for models with standard pumps. Consult applications engineering for models with optional pumps. (4) Full load amps must be used for sizing disconnects and supply wiring. Contact factory for 50 Hz applications engineering. (5) Dimensions are approximate and do not include filters. 2.5" height casters are used on models OTI-1W to 30W. 5" height casters used on models OTI-40W to 100W. (6) Cooling stability only. Optional heating stability ± 2.0°F.

Pump Curves:



Standard pumps shown, other optional pumps available