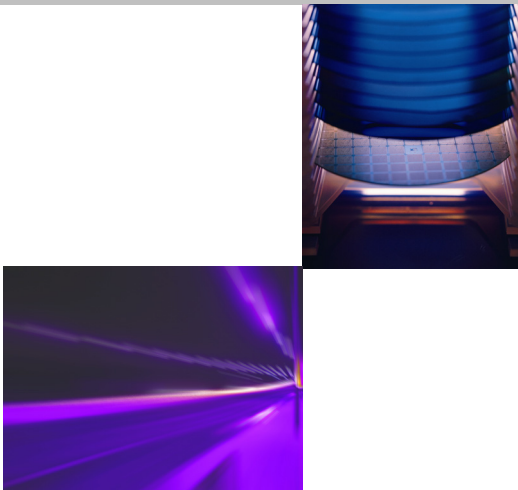


Compact, reliable heat exchangers provide clean, temperature-controlled coolant to ensure long life and maximum performance for applications requiring a cooling capacity up to 34Kw

NESLAB System I and II Water-to-Water Heat Exchanger

Efficient, reliable cooling for your demanding application



Applications:

- **Laboratory cooling**
- **Lasers**
- **General process cooling**
- **Semiconductor processes**
- **Linear accelerators**
- **NMR**



Trouble-free circulation

If your facility is equipped with a central chilled water system, you can experience problems with pressure and flow fluctuations, water quality, and temperature instability that you must overcome to properly cool your instrumentation or equipment.

These compact, reliable heat exchangers maintain a clean, closed loop water cooling system using your facility's existing water systems. The units provide consistent circulation without problems by eliminating any associated contaminants that might potentially harm your equipment.

Features and benefits

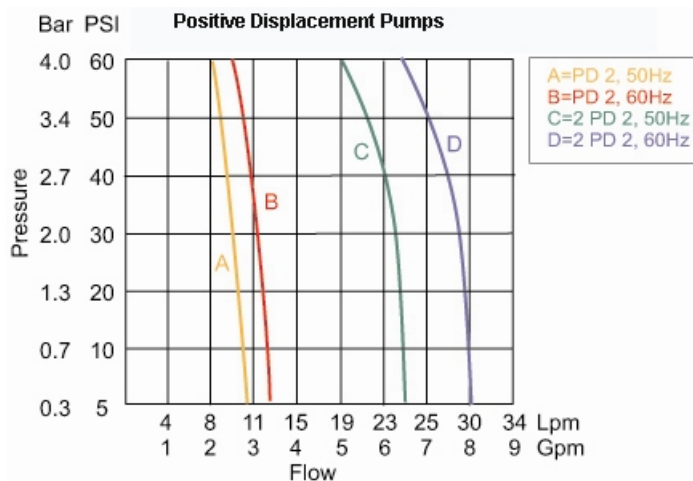
- Constant, clean cooling fluid
- Easy-to-operate temperature control
- Large, easy-to-read pressure and temperature gauges
- Rugged pumps to ensure proper flow and pressure to your application
- Status relay for high temperature and low level conditions
- Water-regulating valve conserves building water

NESLAB Systems Series Specifications

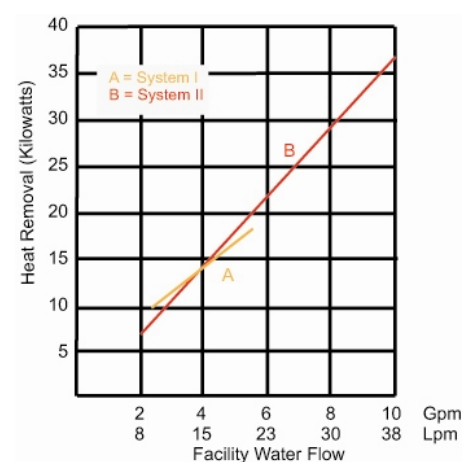
Model	System I	System II
Standard temperature	+5°C to +35°C	+5°C to +35°C
Stability	+/- 1°C	+/- 1°C
Cooling capacity	14 kW*	34 kW*
Pumping performance		
60 Hz (GPM)	3 GPM @ 60 PSI (PD2)	6 GPM @ 60 PSI (2 PD2)
50 Hz (LPM)	9.4 LPM @ 2.9 bar (PD2)	18.8 LPM @ 2.9 bar (2 PD2)
Power configuration		
60 Hz	115V/60Hz/1 phase	115V/60Hz/1 phase
50 Hz	220V/50Hz/1 phase	220V/50Hz/1 phase
Reservoir volume gal (liter)	1 (3.8)	1.8 (6.6)
H x W x D in (cm)	25.5 x 14.3 x 20.5 (64.8 x 36.2 x 52.1)	30.1 x 16.3 x 20.1 (76.5 x 41.3 x 51.1)
Weight lbs (Kg)	96 (43.5)	188 (84.4)
Plumbing connections: inlet/outlet process	½"	½"
Plumbing connections inlet/outlet facility	¾"	¾"
Plumbing connection: drain	½"	½"
Compliance 50 Hz	CE	CE
Controller	TC-50	Manual

*all capacities are based upon a 10°C delta between the setpoint and the temperature of the facility water

Pumping Capacity



Cooling Capacity



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