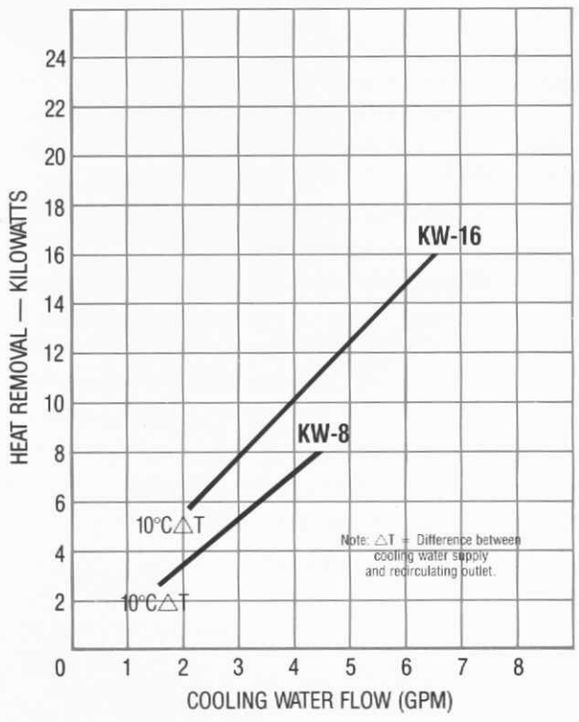
coolflow

APPLICATIONS

- GC/MS
- NMR
- X-Ray Diffraction
- Lasers
- TEMs and SEMs
- Power Supplies
- Diffusion Pumps
- Open Tanks
- Other Water-Cooled Equipment

TEMPERATURE RANGE: +5°C to +35°C
STABILITY: ±1.0°C and ±2.0°C
COOLING CAPACITY: 8000 Watts and 1600 Watts

LIQUID-TO-LIQUID HEAT EXCHANGER KW-8 & KW-16



MODELS
KW-8 & KW-16

Water-to-Water Heat Exchangers

Neslab water-to-water heat exchangers are designed for applications where in-house recirculating cold water systems or an ample supply of tap water exist. The secondary house or tap water system provides the necessary cooling to remove heat collected by the primary recirculating loop.

These quiet, compact, non-refrigerated units can provide a steady flow of clean cooling water at constant temperature and pressure over a range of +5°C to +35°C. Stability is ±1.0°C or better. The primary recirculating system has a 1 gpm, 60 psi high pressure pump.

Heat load-sensitive valves automatically adjust to use the minimum amount of house or tap cooling water.

FEATURES

- Compact size
- Smooth, quiet operation
- Built-in high temperature and low level safety interlocks
- Heat load sensing valve
- Use existing house or tap water
- +5°C to +35°C temperature range
- Energy efficient
- Sealed reservoir

OPTIONS

- *PD-1 Pump:* Delivers 1 gpm at 60 psi.
- *PD-2 Pump:* Delivers 4 gpm at 60 psi.

SPECIFICATIONS

MODEL		KW-8		KW-16	
COOLING CAPACITY WITH 10°C *△T:					
	Watts	8000		16000	
	BTU's/hr	27280		54560	
	KCal/hr	6880		13760	
	With Cooling Water Flow	4.5 GPM		6.5 GPM	
TEMPERATURE RANGE:		+5°C to +35°C		+5°C to +35°C	
TEMPERATURE STABILITY:		±1.0°C		±1.0°C	
PUMPS:	STANDARD	TU-1 3.5 gpm 40 PSI, 1 gpm 60 PSI			
	OPTIONAL	PD-1 1 gpm 60 PSI			
		PD-2 4 gpm 60 PSI			
RESERVOIR VOLUME:	Gallons	1.5		1.8	
	Liters	5.7		6.8	
DIMENSIONS: (H×W×D)	Ins.	25⅛×14×18¼		28⅜×16⅜×24¾	
	cm.	63.8×35.6×46.4		73.0×41.6×62.9	
POWER REQUIREMENTS:	Volts	115	220/240	115	220/240
	Hz	60	50	60	50
	Amps	6	3	6	3
SHIPPING WEIGHT:	Lbs.	120		180	
	Kgs.	55		82	

*△T = Difference between cooling water supply and recirculating fluid outlet.
Note: KW Recirculators are designed for cooling applications only and do not use heaters.