

Air Cooled & Water Cooled Maximum Flexibility Air or Water Cooled

The TKD-200/250 Series Chillers have been designed with maximum feature-packed flexibility in mind. We like to think of it as providing our customers with a wide range of "cool choices." With its unique modular construction, the TKD-200/250 Chillers offer an extensive selection of control, monitoring, alarm, communication, and interlock options. In addition, water or air-cooled condensers, extended temperature range equipment, and all-stainless steel and polymeric circulation systems are available.



TKD-200/250 Chillers feature CFC-free refrigeration systems with compressor hot discharge gas bypass. Stability to $\pm 0.5^{\circ}\text{C}$ is maintained with our standard temperature controller with digital display of process/setpoint temperature. If still tighter stability is required, these chillers can be equipped with our microprocessor-based temperature controller that is stable to $\pm 0.1^{\circ}\text{C}$.

All TKD-200/250 Series systems come standard with a coolant pressure gauge and a coolant level switch. Also standard is a flow/pressure adjustment valve (these features are often optional with other manufacturers). The TKD-200/250 Series Chillers are ideal for both OEM and end user applications.

Specifications

Applications

- Plasma Etch Equipment
- ICP Systems
- Welders
- CVO Systems
- MRI
- Medical Lasers
- Sputtering Systems
- Wet Station Equipment
- Deionized Recirculation

Cooling Capacity (BTU/hr) @ 20°C	4,000	7,000	10,000	15,000	22,000	34,000	65,000	82,000	120,000
Temp. Control Range	5 to 35°C (80°C with heater option)								
Stability	$\pm 0.5^{\circ}\text{C}$ (to $\pm 0.1^{\circ}\text{C}$ with microprocessor based PID temperature controller)								
Reservoir Volume (gallons)	1.0 / 8.0								
Recirculating Capacity (see Pump Curves)	C1, R2, T1		C1, R3, T1, T2, T3, C50, C150						
Power Requirements* (Volts, Ø, Hz)	208-230/200, 1, 60/50			208-230/200-240, 3, 60/50			460/380-420, 3, 60/50		
Dimensions W x H x D (inches)	19-5/8 x 33 x 24	22-3/8 x 36 x 27-5/8	36-1/2 x 38-5/8 x 28	47-3/4, 65 x 46 x 31-3/4	47-3/4, 82, & 120x 56 x 31-3/4				
Available Options	Microprocessor controller with available RS-485 communications, Temperature alarms, Dual coolant level switch, Coolant pressure switch, All stainless steel and polymeric wetted parts, Extended temperature range/heater, Coolant filter, Pressure relief valve, Flow switch, 3Ø power input, Remote control boxes								