

# OASIS

The Smallest Recirculating Chiller on the Planet



## 160 W to 190 W

- Low-light CCD cameras
- Diode lasers
- OEM medical equipment
- Laboratory equipment
- Microtiter plate temperature control
- Point-of-use temperature control



# The Right Temperature Without Fail

## Solid State Cooling Systems



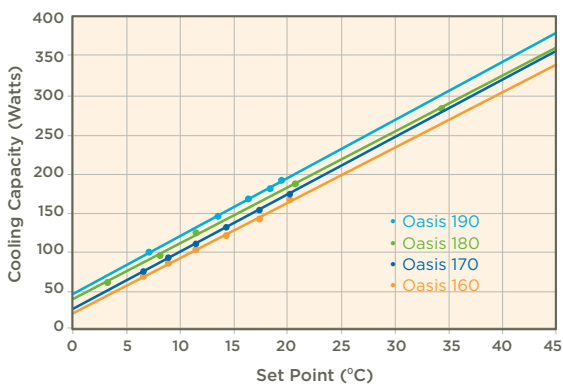
Ultra-compact, quiet operation, and precise, reliable thermoelectric technology

Available with a 160-190 Watt capacity, the Oasis delivers precise temperature control using ultra-reliable thermoelectric modules with lifetimes exceeding 200,000 hours. Oasis responds instantly to changes in load, holding to  $\pm 0.1^{\circ}\text{C}$ , even near ambient. Its universal, variable power supply only provides power when needed, making the unit very energy efficient.

As the world's smallest, air-cooled recirculating chiller, Oasis fits easily inside your equipment or on your table top. And its standard RS232 interface for automatic temperature control makes Oasis simple to use.

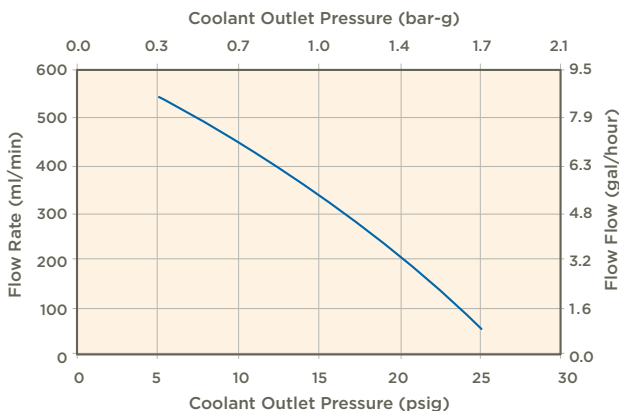
For complete information: [sscooling.com/oasis160](http://sscooling.com/oasis160)

**OASIS 160-190 COOLING CURVES**  
27% PROPYLENE GLYCOL/WATER (KOOLANCE) COOLANT,  
20 °C AMBIENT



Note: Cooling Capacity will vary with configuration

**OASIS PUMP CURVE**



### SPECIFICATIONS

<b>Operating Range</b>	2 °C to 45 °C (160W / 180W models) 10 °C to 45 °C (170W / 190W models)
<b>Ambient Temperature</b>	10 °C to 40 °C non-condensing
<b>Repeatability</b>	$\pm 0.1$ °C (even near ambient)
<b>Cooling Capacity</b>	160W to 190W @ 20 °C (20 °C ambient)
<b>Noise (at 1 meter)</b>	<63 dBA
<b>Coolant/Process Fluid</b>	Koolance (27% propylene glycol/water mix) or 27-50% ethylene glycol/water mix
<b>Process Fluid Fittings</b>	1/8" female CPC with shut-off valve
<b>Pump</b>	Magnetically-coupled gear pump with brushless DC motor
<b>Tank Volume</b>	75 ml with level sensor (optional sealable cap)
<b>Wetted Materials</b>	Al and polymers, or Cu and polymers
<b>Size (L x W x H)</b>	7.5" x 5" x 7" (19 x 13 x 18 cm)
<b>Weight</b>	8 lbs (3.5 kg)
<b>Power Input</b>	Universal: 100 - 240 VAC, 50/60 Hz, 2.8A max
<b>Power Consumption</b>	Less than 200 Watts
<b>Operating Voltage</b>	13.5 VDC, 15 amps max (universal input, laptop style power supply included)
<b>Communications</b>	Keypad or RS232 interface
<b>Alarms</b>	Temperature, fluid level, component or system failure (display, RS232 and dry contact)
<b>Standards</b>	CE, TUV listed to CSA/UL 61010-1
<b>Warranty</b>	1 year

### SOLID STATE COOLING SYSTEMS