

## Model 4100 Liquid-to-Liquid Cooler



4150T2

### Key Specifications

Description	Liquid-to-Liquid Cooler
Connectivity	Optional: RS232, RS485, Remote On/Off
Working Temperature Range °C	Facility water +10° to 60°
Temperature Stability °C	±0.4°
Temperature Calibration Capability	1-point
Pump Type	Turbine
External Temperature Control Capability	Optional

### Key Features

#### Features

- Protects precision equipment from facility water contaminants
- Quiet, energy-efficient liquid-to-liquid heat removal
- Displays temperature and pressure or flow rate information
- Built-in temperature and low flow alarms

### Performance Specifications & Part Numbers

<b>Temperature Range</b>	Facility Water +10° to 60°C
<b>Cooling Capacity (W/BTU)</b>	15,000 / 52,855 based on 15°C ?T 10,000 / 34,100 based on 10°C ?T 4,500 / 5,345 based on 5°C ?T
<b>Power Requirements (VAC/Hz)</b>	200-240 / 50-60 (plug for 230V)
<b>Standard Pump</b>	Turbine Pump
<b>Maximum Pressure psi (bar)</b>	100 (6.9)
<b>Maximum Flow gpm (l/min)</b>	3.5 (13.2)
<b>Part Number 200-240 VAC / 50-60Hz</b>	4150T21A130D

?T = Process water temperature - facility water temperature

Specifications listed are for 60Hz models. For specifications on 50Hz models, click on the 4100 thumbnail image below.

Electrical plug for the part number listed is standard U.S. type. [Country specific plug types available.](#)

Larger capacities are available. Contact PolyScience Customer Service for more information.



Extra large digital readouts provide at a glance access to

temperature as well as pressure or flow rate information.

## Common Specifications

Working Temperature Range °F	Facility water +20° to 140°
Working Temperature Range °C	Facility water +10° to 60°
Reservoir Capacity (gallons)	1.11
Reservoir Capacity (liters)	4.2
Reservoir Cover	Screw-on Cap
Cleanable Fluid Filter	Yes
Temperature Stability °F	±0.8°
Temperature Stability °C	±0.4°

Pump Type	Turbine
Pump Speed	Constant, Single Speed
Process Connections	1/2" (F) NPT
External Temperature Control Capability	Optional
Over-Temperature Protection / Failsafe Heater Control	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	27.6 x 14.5 x 22.6 in
Overall Dimensions (L x W x H) (cm)	70.2 x 36.8 x 57.5 cm
Shipping Weight (pounds)	175.0
Shipping Weight (kilograms)	79.5
Catalog Page Number	108

## 60 Hz Only

Part Number	4150T21A130D
Maximum Pressure (psi)	100.0
Maximum Pressure (bar)	6.90
Maximum Pressure Flow Rate (gpm)	3.50
Maximum Pressure Flow Rate (l/min)	13.2
Cooling Capacity (W/BTU)	15000 / 52855 based on 15°C ?T 10000 / 34100 based on 10°C ?T 4500 / 5345 based on 5°C ?T ?T = Process water temperature - facility water temperature
Included Hardware	Two sets of Inlet/Outlet Adapters: 1/2 inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	208-230/60/1/3
Regulatory Approvals	TUV

## 50 Hz Only

Part Number	4150T21A130E
Maximum Pressure (psi)	83.0
Maximum Pressure (bar)	5.70

Maximum Pressure Flow Rate (gpm)	2.90
Maximum Pressure Flow Rate (l/min)	11.0
Cooling Capacity (W/BTU)	15000 / 52855 based on 15°C ?T 10000 / 34100 based on 10°C ?T 4500 / 5345 based on 5°C ?T ?T = Process water temperature - facility water temperature
Included Hardware	Two sets of Inlet/Outlet Adapters: ½ inch male NPT, 5/8 inch male NPT
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/3
Regulatory Approvals	CE

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