

## 1.5 HP DuraChill® Chiller, Positive Displacement Pump; Water-Cooled



6900P

### Key Specifications

Description	1.5 HP Chiller, Positive Displacement Pump; Water-Cooled
Display	LED
Connectivity	Optional: RS232, RS485
Working Temperature Range °C	5° to 35°
Temperature Stability °C	±0.5°
Temperature Calibration Capability	1-point
Pump Type	Positive Displacement

### Key Features

#### Key Features

- High capacity cooling for lasers, electron microscopes, and other laboratory applications
- Small footprint conserves floor space
- Displays temperature and pressure or flow rate simultaneously
- User-adjustable temperature, pressure, and flow rate alarms
- Simple operation and maintenance
- Air- or water-cooled

- Positive displacement (PD) or turbine (T) pump; other pump options also available

## Common Specifications

Working Temperature Range °F	41° to 95°
Working Temperature Range °C	5° to 35°
Reservoir Capacity (gallons)	3.5
Reservoir Capacity (liters)	13.25
Reservoir/Tank Material	Polyethylene
Reservoir Cover	Screw-on Cap
Cleanable Air Filter	Yes
Cleanable Fluid Filter	Yes
Temperature Stability °F	±0.9°
Temperature Stability °C	±0.5°
Display	LED
Pump Type	Positive Displacement
Process Connections	1/2" (F) NPT
Over-Temperature Protection / Failsafe Heater Control	Yes
Reservoir Liquid Level Indicator	Yes
Reservoir Drain	Yes
Maximum Ambient Temperature °F	95°
Maximum Ambient Temperature °C	35°
Overall Dimensions (L x W x H) (inches)	30.5 x 19 x 26 in
Overall Dimensions (L x W x H) (cm)	78 x 48 x 66 cm
Compressor Size (HP)	1.5
Refrigerant	R134a
Shipping Weight (pounds)	340.0
Shipping Weight (kilograms)	154.0
Catalog Page Number	104

## 60 Hz Only

Part Number	6960P46A270D
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 @ +10°C (W)	4529
Cooling Capacity @ +20°C (W)	5328
Cooling Capacity @ +30°C (W)	6127
Heater Wattage	1000
Electrical Requirements (VAC/Hz/Ph/A)	230/60/1/17.2
Regulatory Approvals	TUV

## 50 Hz Only

Part Number	6950P46A270E
Maximum Pressure (psi)	83.0
Maximum Pressure (bar)	5.72
Maximum Pressure Flow Rate (gpm)	2.90
Maximum Pressure Flow Rate (l/min)	11.0
Cooling Capacity @ +10°C (W)	3895
Cooling Capacity @ +20°C (W)	4582
Cooling Capacity @ +30°C (W)	5269
Heater Wattage	1000
Electrical Requirements (VAC/Hz/Ph/A)	240/50/1/16.9
Regulatory Approvals	CE

© 2015 **PolyScience** 6600 W. Touhy Avenue, Niles, Illinois 60714-4516 USA

**Phone:** +1(847) 647-0611 or +1(800) 229-7569 **Fax:** +1(847) 647-1155

**Source URL (modified on 01/25/2017 - 16:38):** <https://www.polyscience.com/chillers/15-hp-durachill%C2%AE-chiller-positive-displacement-pump-water-cooled>