

## VWR Signature Recirculating Chiller, 1/4 HP to 1 HP

- Built for Continuous Operation
- Save Money and Increase Efficiency
- Conserve Resources
- Eliminate Temperature Variation
- Choice of Pump

VWR Signature Chillers provide up to 25% more cooling than competitive units without higher prices. You get lower operating temperatures in addition to more heat removal. Our new high-efficiency heat exchanger assures efficient cooling with reserve power to spare. Reserve heat removal capability is especially important when dealing with variable heat loads. This extra cooling power may fill future needs.

With digital convenience and microprocessor control, operating temperature is displayed to 0.1°C, and with the touch of a button, the set temperature can be quickly checked. The display readout is selectable in °C or °F. For convenience in viewing, the control panel is slanted, allowing the LED temperature display to be easily read.

Temperatures are maintained to ±0.5°C. The innovative refrigeration control system senses and allocates the right amount of refrigerant to control cooling precisely. Superior efficiency and precise control are assured by the use of PID controller technology.

The compressor runs quietly and continuously, eliminating the grueling start-stop cycles used in some refrigeration systems. When called for, the microprocessor-based refrigeration system easily changes from “coasting” to full cooling. Result - long compressor life, rapid response.



Model 1175MD



### VWR Signature Series Chillers offer a choice of pump

	Magnetic Drive Pump	Positive Displacement Pump
Pressure	10 psi	Adjustable 20-100 psi
Flow Rate	4.3 gpm / 16.3 lpm	1 gpm / 3.8 lpm (1/4 HP to 1/2 HP) 4 gpm / 15.2 lpm (3/4 HP to 1 HP)

Specifications	Model 1171MD or PD	Model 1173MD or PD	Model 1175MD or PD	Model 1177MD or PD	Model 1179MD or PD
Temperature Range / Stability	-5°C to 40°C / ±0.5°C		-10°C to 40°C / ±0.5°C	-15°C to 40°C / ±0.5°C	
Controller / Readout / Accuracy	Standard / LED, °C or °F / ±0.1°C				
Compressor	1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP
Cooling Capacity @ 20°C	750 Watts	1100 Watts	1320 Watts	2500 Watts	2850 Watts
10°C	450 Watts	780 Watts	1055 Watts	1700 Watts	1925 Watts
0°C	100 Watts	350 Watts	550 Watts	760 Watts	940 Watts
Dimensions, H x W x L	24 x 14-3/8 x 26-1/2 in. / 61 x 36.5 x 67.3 cm				
Shipping Weight	164 lbs. / 74.5 kg	167 lbs. / 76 kg	169 lbs. / 76.8 kg	224 lbs. / 101.8 kg	225 lbs. / 102.3 kg
Magnetic Drive Pump Models					
Cat. No. (120V, 60 Hz)	13271-184 \$2235 (6.8A)	13271-192 \$2470 (8A)	13271-200 \$2745 (13A)	N/A	N/A
Cat. No. (208-230V, 60 Hz)	N/A	N/A	N/A	13271-208 \$3010 (7.5A)	13271-216 \$3450 (8.5A)
Cat. No. (240, 50 Hz)	13271-186 \$2280 (3.4A)	13271-194 \$2505 (4A)	13271-202 \$2780 (6.5A)	13271-210 \$3045 (7.5A)	13271-218 \$3485 (8.5A)
Positive Displacement Pump Models					
Cat. No. (120V, 60 Hz)	13271-188 \$2285 (9.6A)	13271-196 \$2520 (10.8A)	13271-204 \$2795 (15.8A)	N/A	N/A
Cat. No. (208-230V, 60 Hz)	N/A	N/A	N/A	13271-212 \$3060 (10A)	13271-220 \$3500 (11A)
Cat. No. (240V, 50 Hz)	13271-190 \$2330 (4.8A)	13271-198 \$2555 (5.4A)	13271-206 \$2830 (7.9A)	13271-214 \$3095 (10A)	13271-222 \$3535 (11A)

Note: Cooling capacity, Watts x 3.41 = BTUs/hr. Performance specifications determined at ambient temperature of 20°C/68°F. For 50Hz units, derate cooling capacity by 17%.

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