



High Performance Cooled CCD Camera System LR001 LIQUID RECIRCULATION / CHILLER UNIT

The LR001 Liquid Recirculation / Chiller Unit provides precise control of the temperature of recirculated liquid for optimal cooling despite ambient temperature fluctuations. The unit removes heat from the vicinity of the camera, preventing atmospheric turbulence. The unit is best suited for use with the Alta and AP cameras with optional adaptation for liquid circulation.

- 151 watts cooling capacity (Delta T=0) (515 BTU/hr)
- Voltage 100-240 VAC 50/60 Hz
- High accuracy digital controller (+/- 0.1° C)
- RS-232 serial communication (RS-485 optional)
- Low fluid-level detector
- Adjustable alarm for low and high temperature limits
- 7-foot (2.1 m) detachable power cord (with plug available in three global configurations)
- Compact and quiet
- Low maintenance
- Heating Capacity: HT (optional) 125 watts (426 BTU/HR)
- Operating temperature 40°F to 113°F (4.4°C to 45°C)
- Control temperature range: 35°F to 104°F (2°C to 40°C)
- Input power 228 watts running current
- Weight 27 lbs. (12.2 kg.)
- Reservoir capacity 0.07 gallons (250 ml)
- Fluid capacity 0.10 gallons (375 ml)
- Dimensions 12.23" x 7.81" x 15.15" (31 x 19.8 x 38.5 cm)



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Ascent camera adapter for liquid circulation



LR001 Unit with Alta camera adapted for liquid circulation



Alta camera adapted for liquid circulation with quick disconnects



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