

1 KOOLANCE COV-RP450 Rev.2.0 Installation Guide v 1.0

The Koolance COV-RP450 is designed for one PMP-450 or PMP-450S pump (not included). It can be mounted to a 80-140mm fan grill, if available, using the included bracket.

Pump Disassembly

The pump must be disassembled for installation. Unscrew the large ribbed collar on the pump by hand or with a strap wrench.



Original pump o-ring (not used)

Remove the original pump o-ring and ribbed outer collar. These are not used with the COV-RP450.



Pump Installation

Take the Koolance black rubber o-ring from the nozzle base.

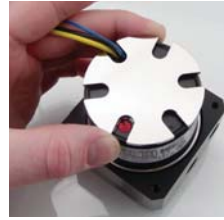


Place this Koolance black o-ring around the rim of the pump motor. Do NOT use the original pump's o-ring.



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With the pump o-ring in place, gently insert the pump into the nozzle base.



Place the cover plate over the rear of the pump. Notches in the plate accommodate the pump wiring and speed knob (if present).

Pull the pump wiring through the black metal ring on the mounting bracket. Place the bracket down over the pump.



Tighten the mounting bracket plate to the acetal nozzle base with the four large supplied screws.

Tighten screws in a cross-pattern, but do not over tighten or the nozzle base may become stripped.

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If you are using the COV-RP450 mounting bracket, attach the two metal wings to the support bracket using the 2 included screws.

The wing distance can be adjusted to accommodate different fan grill widths (80-140mm).



Use standard chassis fan screws to attach COV-RP450 to a rear fan. If there is no fan available, any short bolt and nut can be used to attach the COV-RP450 to the chassis fan grill (or another area, like onto a radiator).

Reservoir Installation



COV-RP450 includes the option to directly mount a reservoir (reservoir components sold separately).

If you are attaching a reservoir, remove the top pump inlet plug.



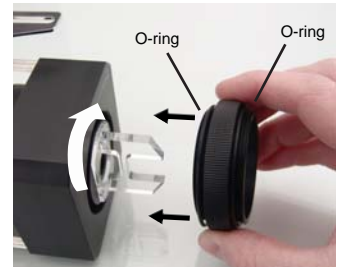
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Attach the acrylic partition with its 2 included plastic screws.



Thread the included reservoir coupler onto the pump base. Make sure both black o-rings are in place and remain aligned while tightening.



Screw the desired reservoir component(s) onto the reservoir coupler. Reservoir components are sold separately.

Gently tighten the reservoir components by hand.

Add your desired nozzles to the inlet and outlet sockets on the side of the COV-RP450.

