

1 KOOLANCE COV-RP450 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.



Original pump o-ring (not used)



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

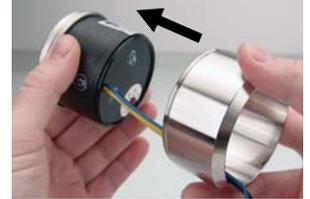
Pump Installation

Unscrew the metal sleeve from the pump cover.

Beneath the metal sleeve is a black rubber o-ring. Keep this for later use.



Place the Koolance black o-ring (removed from the COV-RP450) around the rim of the pump motor. Do NOT use the original pump's o-ring.



Slide the metal sleeve around the rear of the pump. The pump's wiring should go INSIDE this metal ring.



The pump is now ready to be installed into the COV-RP450.

GENTLY screw the pump into the COV-RP450 by tightening its metal sleeve.

Be extremely careful when threading the sleeve into the COV-RP450. If the threads are not even, the product could be damaged by cross-threading.



Screw all 4 mounting support posts into the bottom of the pump cover by hand.



Place the support bracket onto the mounting posts. **The inner beveled edge must face the pump.**

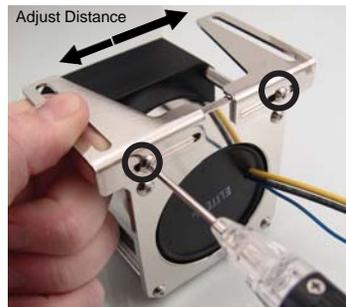


Tighten the support bracket to the metal posts using the 4 included screws.



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).



Adjust Distance

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).

Reservoir Installation



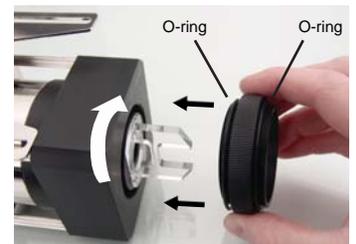
COV-RP450 includes the option to directly mount a reservoir (reservoir components sold separately).

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



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.

