

# 1 KOOLANCE RP-402X2 Installation Guide v 1.0

The Koolance RP-402X2 is designed for one or two PMP-400 pumps (not included). It mounts into two consecutive 5.25" computer drive bays using the included screws.

## Pump Disassembly



The pumps must be disassembled for installation. Remove the four screws on the bottom.



O-ring

Remove the original pump cover. Make sure the original o-ring stays seated on the pump. This o-ring is required for the RP-402X2.

Original pump o-ring (required)

## Pump Installation



If you need to remove the pump blocker, unscrew its four short screws. This is only necessary when installing two pumps.



# 2



O-ring

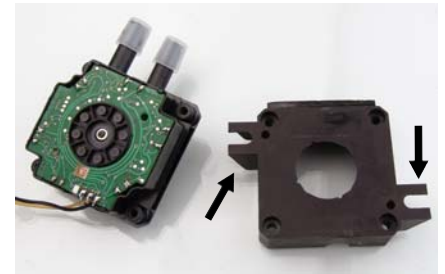
The pump blocker includes its own o-ring. DO NOT USE this if a pump will be installed here. Instead, use the original pump's o-ring.



Place the pump in the desired location and attach with the longer screws included with the RP-402X2. The pump wire must exit the back end of the reservoir.



NOTE: If your pump version has feet on the plastic base, these must be removed in order to fit the RP-402X2.



# 3



Pump #2 ("P2")

To mount the second pump, repeat the previous process for the opposite side of the RP-402X2.

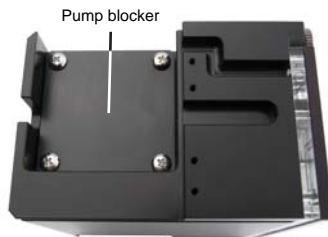
Pump #1 ("P1")

## Operation with One Pump

The RP-402X2 is shipped with one pump side "blocked". Leave this in place with its screws and o-ring if you are only installing one pump.



In addition, the inlet and outlet of this pump must stay plugged on the rear nozzle ports to prevent leaking.



Pump blocker

# 4

## Using Serial or Parallel Loops

The dual front reservoirs can be left separate (parallel) or combined to form one reservoir. This is done by replacing the large side plug. Use the long version for separate tanks, and the short version to combine them.

NOTE: For serial pump operation, the rear outlet from one pump should be directly connected to the inlet of the other using hose or available fittings.



Long Side Plug  
(Separate Tanks)



Short Side Plug  
(Combined Tanks)

## LED Lighting (Optional)



There are four locations behind the acrylic for 3mm wide LED lights (sold separately): 2 on the bottom and 1 on either side.

Slide each LED into the small receptacles in the edge of the acrylic. A small drop of hot glue can help hold each LED in place.



**CAUTION:** To prevent leaking while using one pump, make sure the pump blocker remains installed with its screws and o-ring. The rear inlet and outlet ports for this absent pump must also remain plugged.