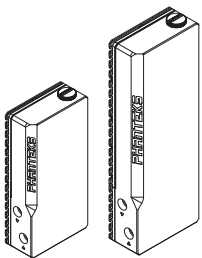
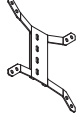


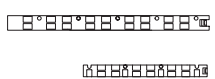








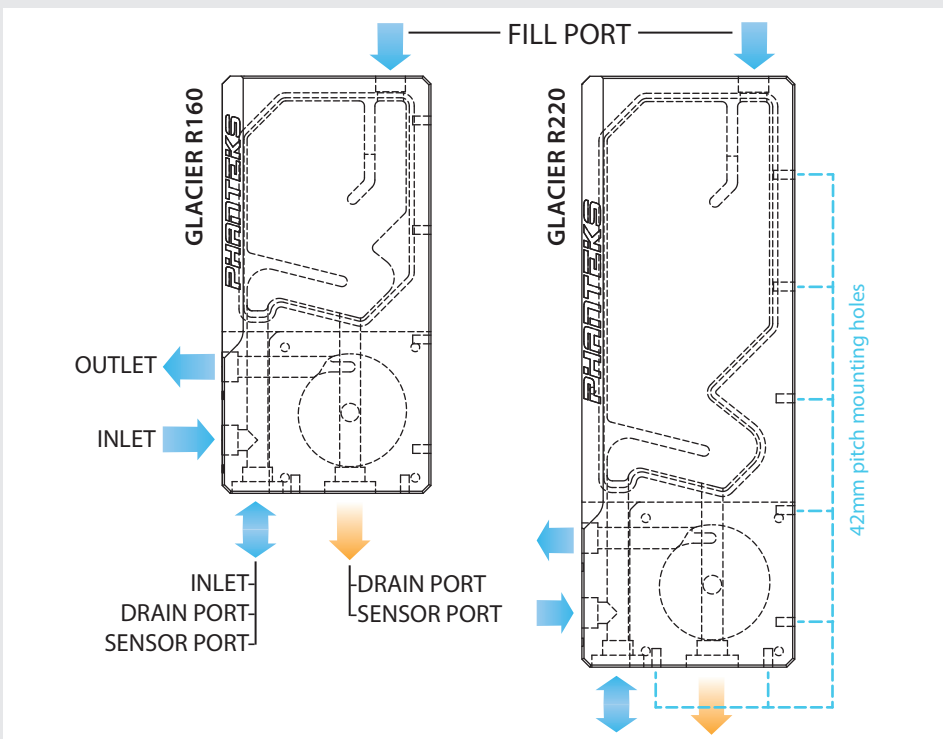
## PACKAGE CONTENTS

 <p>R160 or R220</p>	 <p>Fan Bracket</p>	 <p>3x Stop Fitting (pre-installed)</p>	 <p>4x Fan Screws</p>	
		 <p>160/220 LED strip</p>	 <p>4x M4x30 Pump Screws</p>	 <p>3mm Allen Key</p>
			 <p>2x M4x10 Bracket Screws</p>	 <p>RGB cable</p>
			 <p>2x M4x6 LED-strip Screws</p>	 <p>RGB Motherboard cable</p>

**⚠️ DISCLAIMER** - This product is intended for advanced users. Please consult with a qualified technician for installation. Phanteks assumes no liability for any damages occurring as a result of using Phanteks cooling products.


**⚠️ WARNING** - Power down the system before installation.  
 - Do not disassemble the reservoir. Warranty will be voided.  
 - Perform a leak test before turning on the system.  
 - Check our website for the latest installation guide.

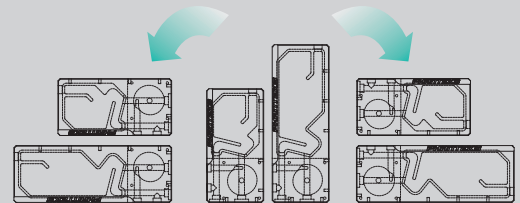
## INSTALLATION




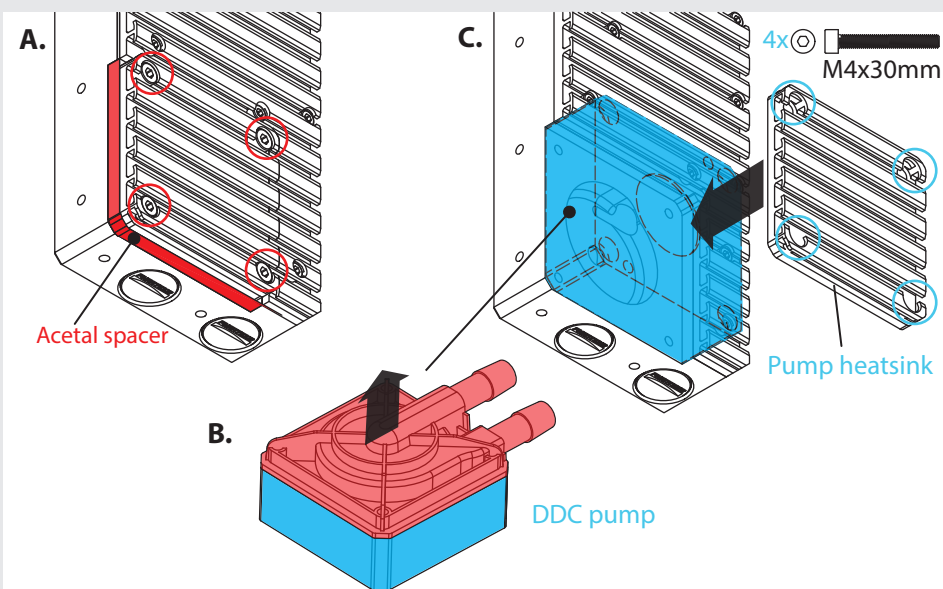
### STEP 1. OVERVIEW

The R160/R220 is equipped with multiple ports to allow for more flexibility. Please plan your water loop before proceeding with installation.

 The R160/R220 can be used in 3 orientations:



 Out of the box the R160/R220 can be used as a stand-alone reservoir by connecting an external pump. Optionally, you can install a DDC-pump as an integrated "Pump/Reservoir" combo solution.




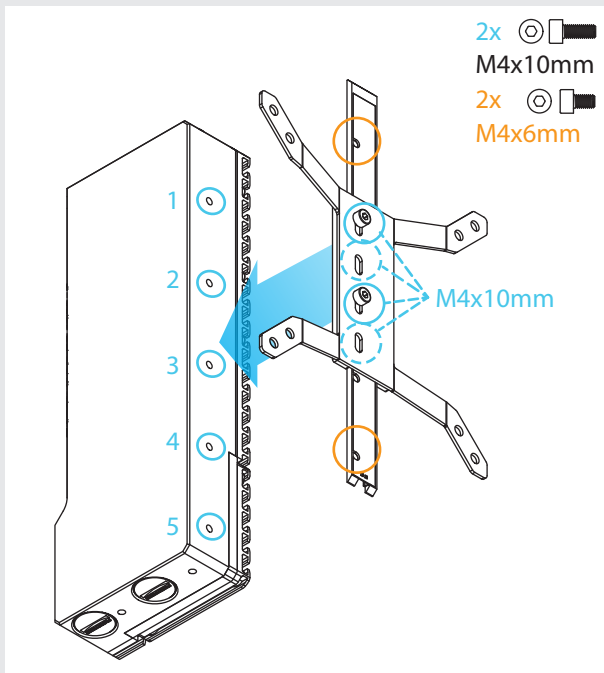
### STEP 2. INSTALL DDC PUMP (optional)

An optional DDC pump can be integrated:

- A.** Remove the Acetal spacer and pump-heatsink by removing 4 screws and store away.
- B.** Remove the original DDC pump top.
- C.** Install the DDC pump together with the pump heatsink using the M4x30mm screws.

**⚠️** Make sure the DDC pump is mounted correctly and no cables are pinched. The integrated DDC pump can only be installed with the Pump heatsink.

 Use the VITON o-ring that was pre-installed in the Acetal spacer.

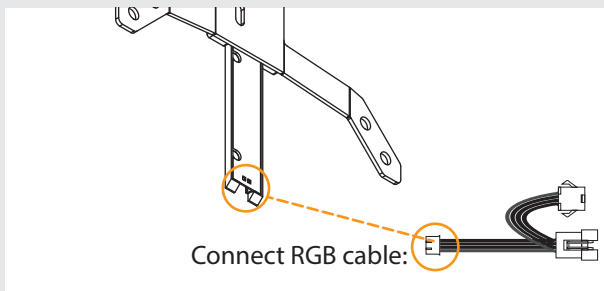


## STEP 3. INSTALL LED-STRIP AND BRACKET

1. Choose the desired mounting alignment on your reservoir.
2. Place the LED-strip on the bracket with the LED's facing the reservoir.
3. Use two M4x10 Bracket screws to secure the bracket to the reservoir.
4. **Optional:** use two M4x6mm screws to secure the LED-strip.

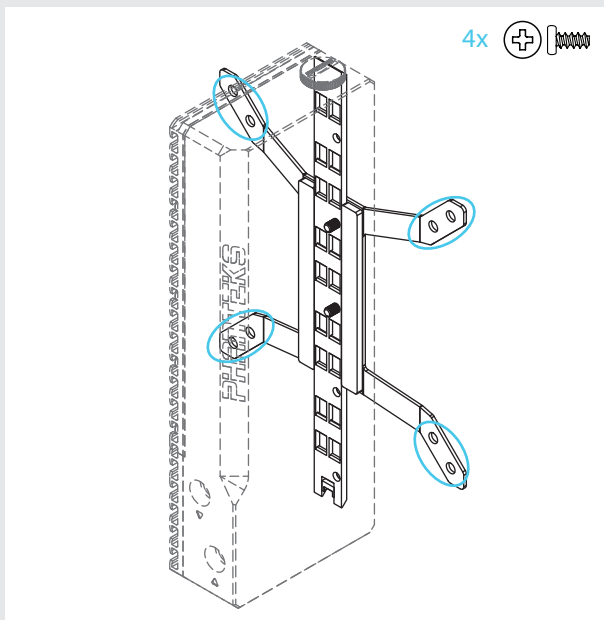
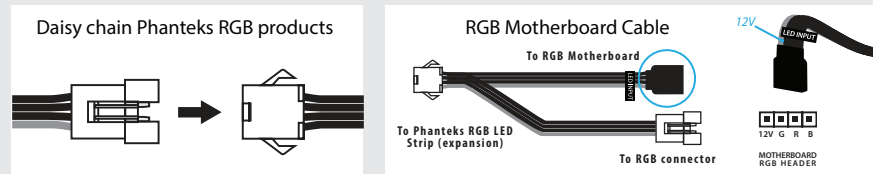


Adjust the vertical position of the bracket to find the perfect position in your system. Both the bracket and the reservoir has multiple mounting holes to move the position up and down.



## STEP 4. CONNECT RGB LIGHTING

Connect RGB LED-strip to RGB motherboard and Phanteks RGB products:



## STEP 5. MOUNT ON FAN

The bracket can be mounted directly to a 120 or 140mm fan with four included Fan Screws.



Thanks to the 42mm pitch mounting holes you can install the reservoir on many pump brackets such as the "Universal Pump Bracket" from Phanteks. It is included with many Phanteks cases and available separately.

## STEP 6. POWER ON

- Make sure all connectors and fittings are tightened.
- Connect the pump to a power source.
- Fill the reservoir and let the pump run until all air is released.



Let the pump run for multiple hours. Tilting the system can help to release air bubbles.



For optimal performance please check the following:

- Make sure the pump never runs dry.
- Close any unused ports with Stop Fittings.
- Always perform a leak test before turning on the system.