SINGULARITYCOMPUTERS

PROTIUM 3.0
ARGB 150 D5 RESERVOIR COMBO
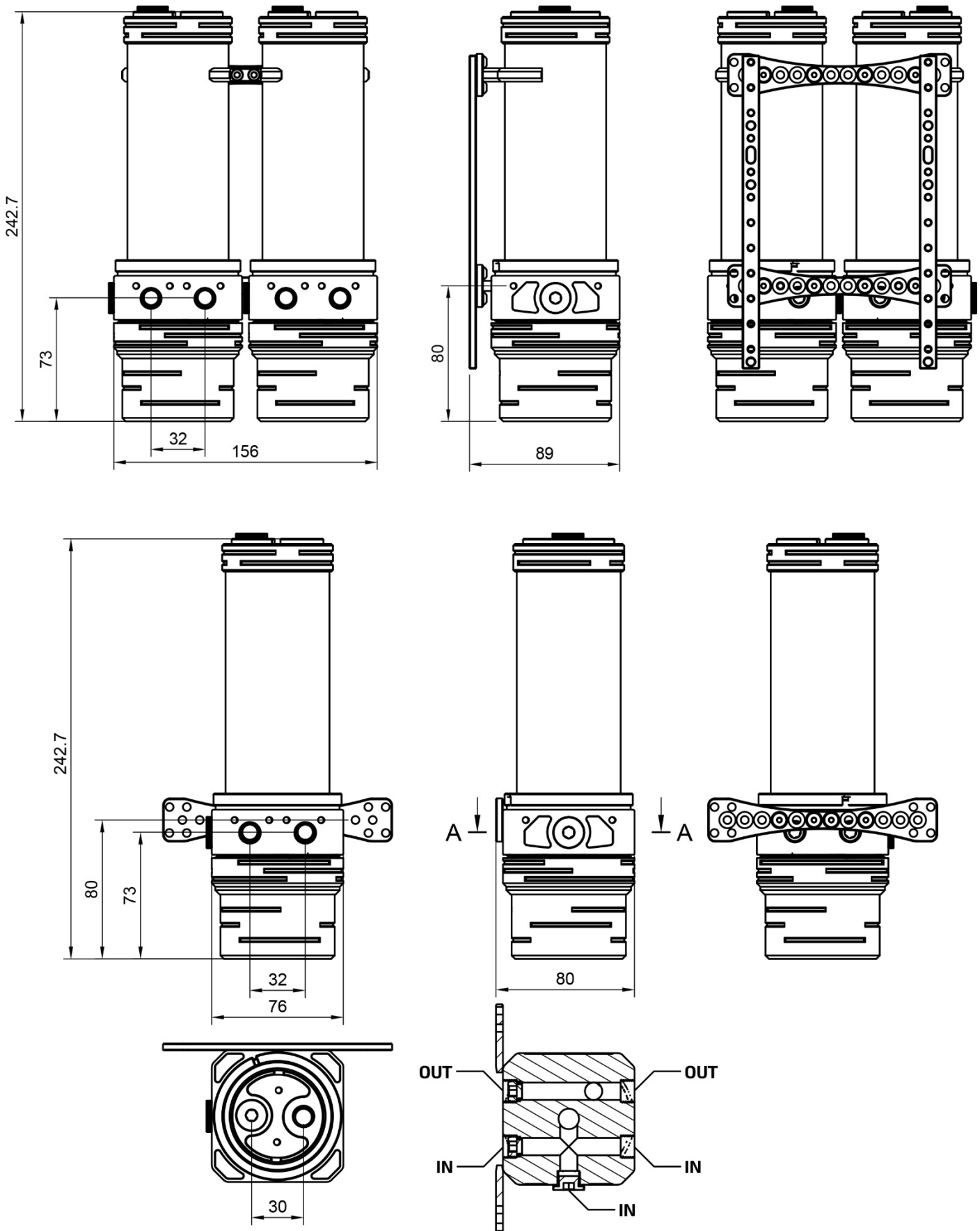

MANUAL
Revision 1.0

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Introduction & Features

The SC Protium 3.0 ARGB 150 D5 Reservoir Combo achieves a whole new level of versatility and features. There are 2 outlet ports, and 5 inlet ports which are on 3 sides and the top. It can be mounted from 4 different sides with 360-degree mounting. The cap uses a retention ring design for 360-degree rotation and increased durability, and is recessed in case of overflow during filling. The combo comes with two integrated custom ARGB/DRGB PCBs. The rear part of the D5 Pump Cover is a PCB which creates a glow from the back of the Pump Cover. There is also an LED ring which lights up the pump top, reservoir, and the coolant inside. The back plate is universal for mounting onto 120mm or 140mm wide radiators, fans or fan mounting positions. The pump cover is a 3-piece design for full compatibility with all D5 pumps including the Aquacomputer D5 Next. The combo comes in three different colors/materials, Clear Acrylic with Black or Silver metal and Black Acetal with Black Metal. All parts are backwards compatible with Protium 1.0 and 2.0.
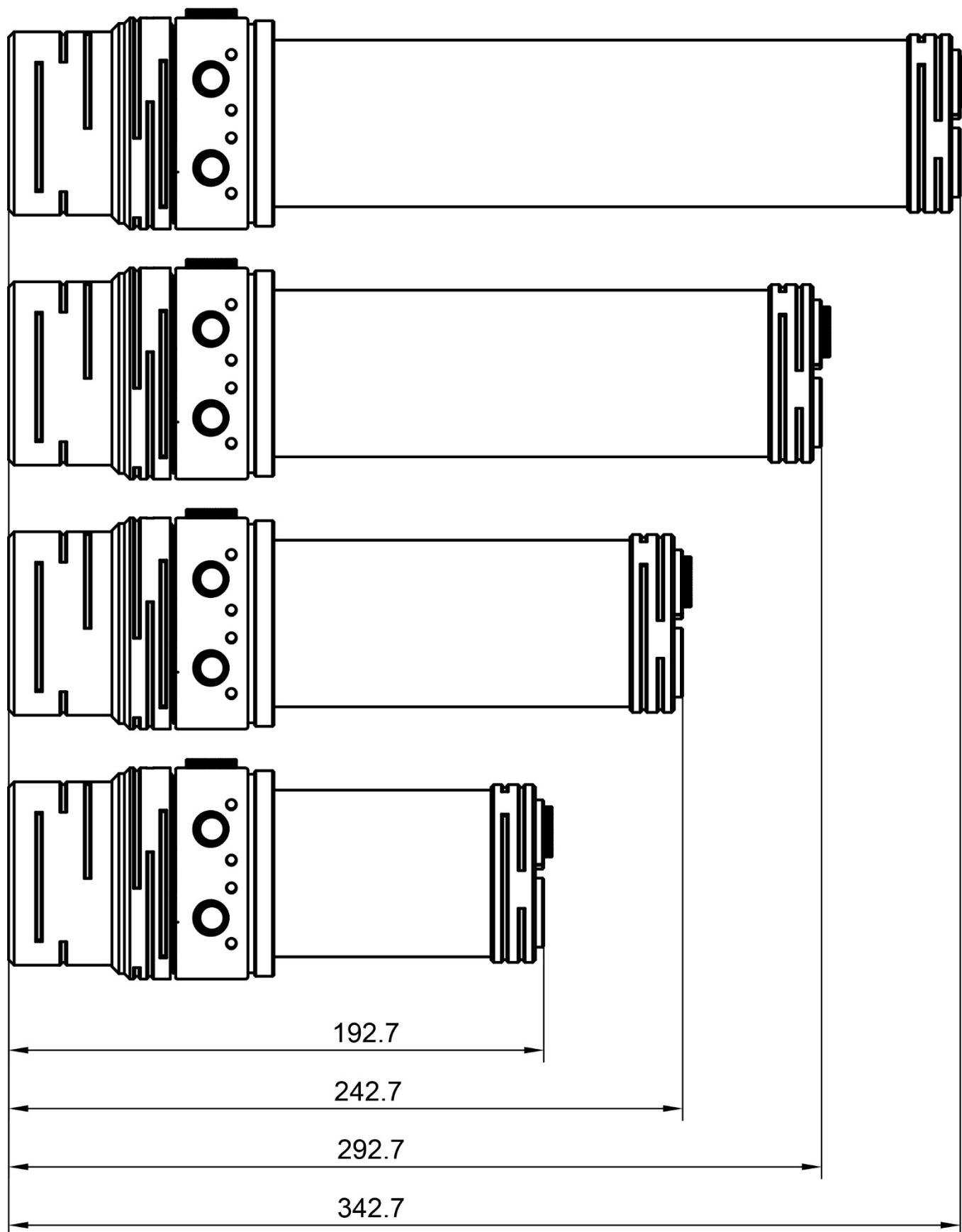
Specifications & Included Items

Included Items	
	• SC Protium 3.0 Pump Top: Clear Cast Acrylic or Black Acetal. CNC Machined.
	• SC Protium 3.0 Reservoir Cap: Clear Cast Acrylic or Black Acetal. CNC Machined.
	• SC Protium 3.0 Reservoir Tube: Clear Cast Acrylic. CNC Machined Length: 150mm. Diameter: 60mm.
	• SC Protium 3.0 Inlet Tube: Clear Cast Acrylic.
	• SC Protium 3.0 Reservoir Retention Ring: Black or Silver. Anodized. CNC Machined.
	• SC Protium 3.0 ARGB D5 Cover: Black or Silver. Anodized. CNC Machined. 1.6mm PCB Black. Addressable ARGB/DRGB 5V: 6 LEDs. Back 500mm Cable.
	• D5 Pump Anti Vibration Foam.
	• SC Protium 3.0 ARGB Ring: Frosted Clear Cast Acrylic or Black Acetal. CNC Machined. 1.6mm PCB Black. Addressable ARGB/DRGB 5V: 6 LEDs. Back 500mm Cable.
	• SC Universal Backplate: Black or Silver. Anodized. CNC Machined.
	• O-Rings: Silicone 70 Durometer White x3 (D5 x1. Reservoir x2). Nitrile 50 Durometer Black G1/4" x3. 8mm x 2.
	• Stop Fittings x3: Brass. CNC Machined. Powder coated Black. Laser Etched.
	• Stop Plugs: x2: Brass. CNC Machined.
	• Fasteners: M4 x 6mm Stand Offs Brass x2. M4 x 8mm CS x2.
Weight	0.65 kg.
Dimensions	H: 250mm W: 78mm D: 90mm.
Packaged Weight	0.75 kg.
Packaged Dimensions	H: 270mm x W: 85mm x D: 90mm.

Dimensions & Port Layout

242.7

73

32

156

80

89

242.7

80

73

32

76

A

A

80

30

OUT

OUT

IN

IN

IN

ⓘ Dimensions are in millimetres

Reservoir Sizes

192.7

242.7

292.7

342.7
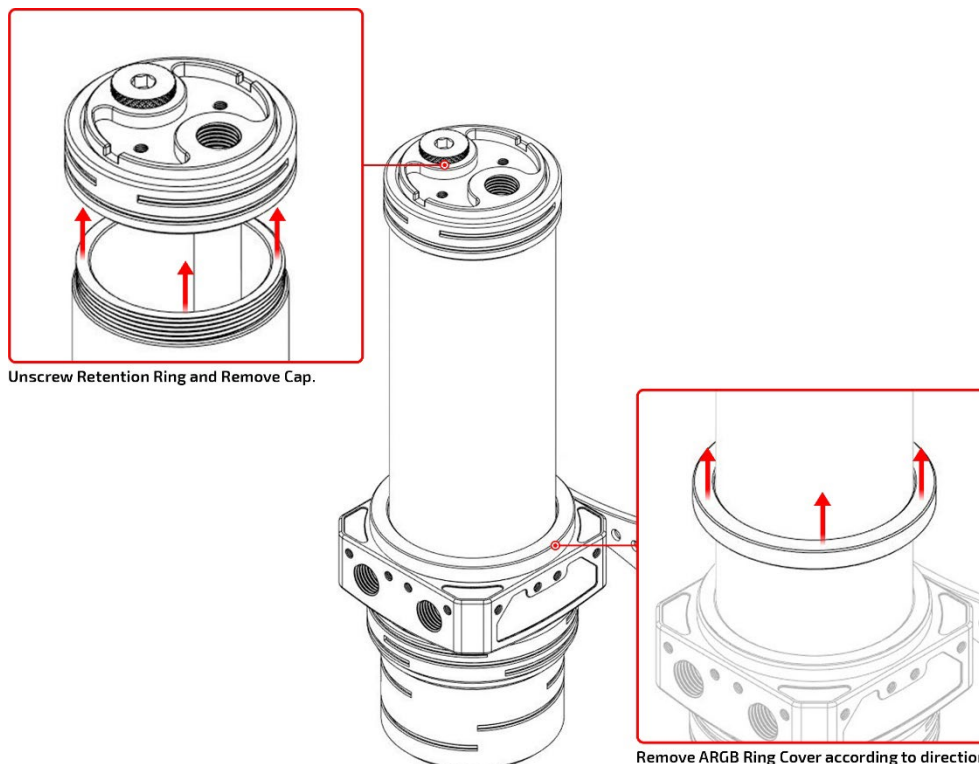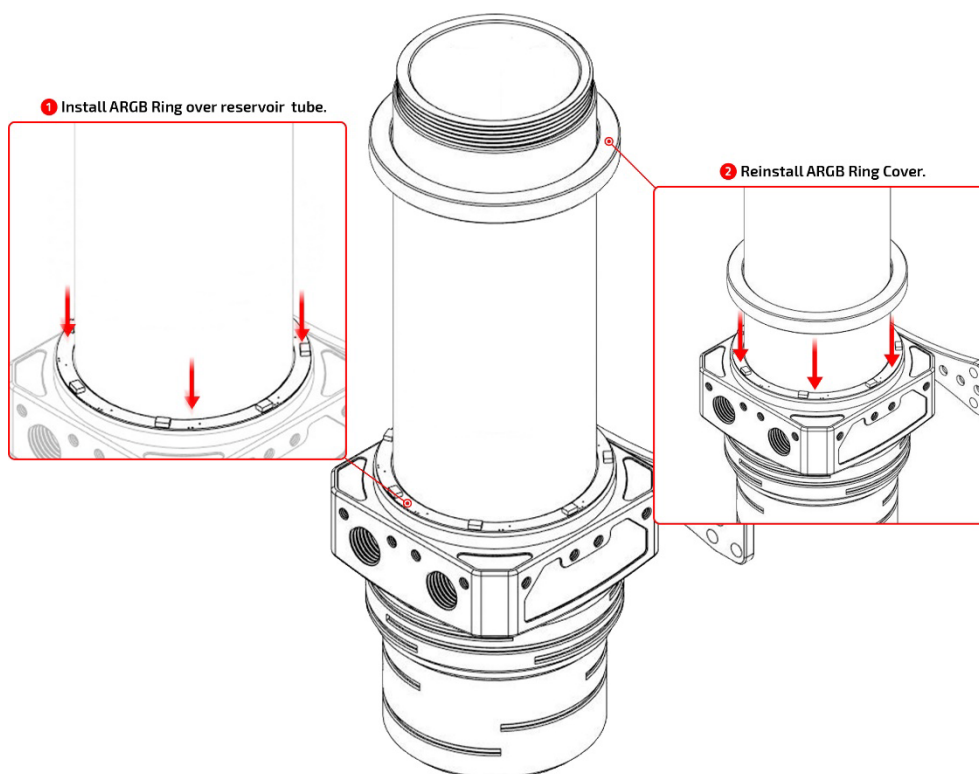
❶ *Dimensions are in millimetres*

Step 1

Unscrew the top reservoir retention ring and then remove the reservoir cap. The ARGB Ring Cover marked in the diagram below can then be removed up the reservoir tube.

Unscrew Retention Ring and Remove Cap.

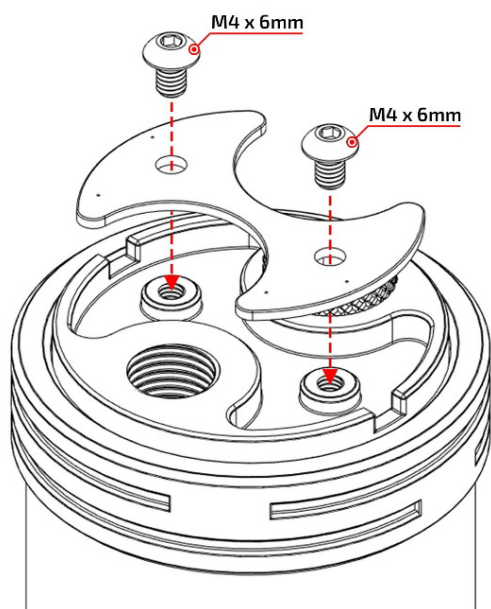Remove ARGB Ring Cover according to direction.

Step 2

Install the ARGB Ring over the reservoir tube until it is resting on the pump top, it is best to install it with the LEDs facing towards the pump top. Then reinstall the ARGB Ring Cover so that the cable on the ARGB ring aligns with the slot (the cable passes through the slot). You can then face the cable wherever it will be out of sight in your build.

❶ Install ARGB Ring over reservoir tube.

❷ Reinstall ARGB Ring Cover.

Reservoir ARGB Cover Installation (Available Separately)

The ARGB Cover can be attached using the two included M4 x6mm Fasteners (see diagram beside).
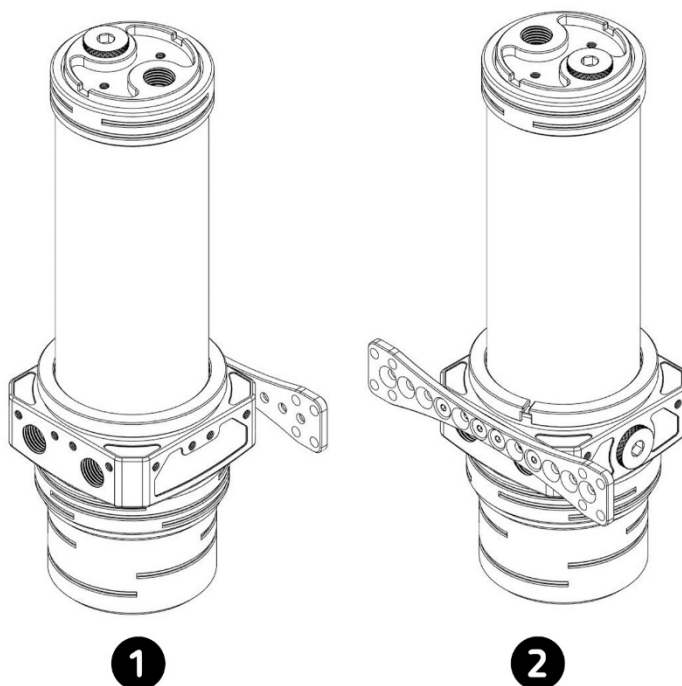
Note: Do not over tighten fasteners on acrylic or acetal.

Stop Fitting & Stop Plug Assembly

Install the stop plugs and stop fittings where they need to be for your water-cooling system configuration. The stop plugs are for use under the mounting Back Plate because they do not protrude from the pump top. The stop plugs can only be used on the pump top.
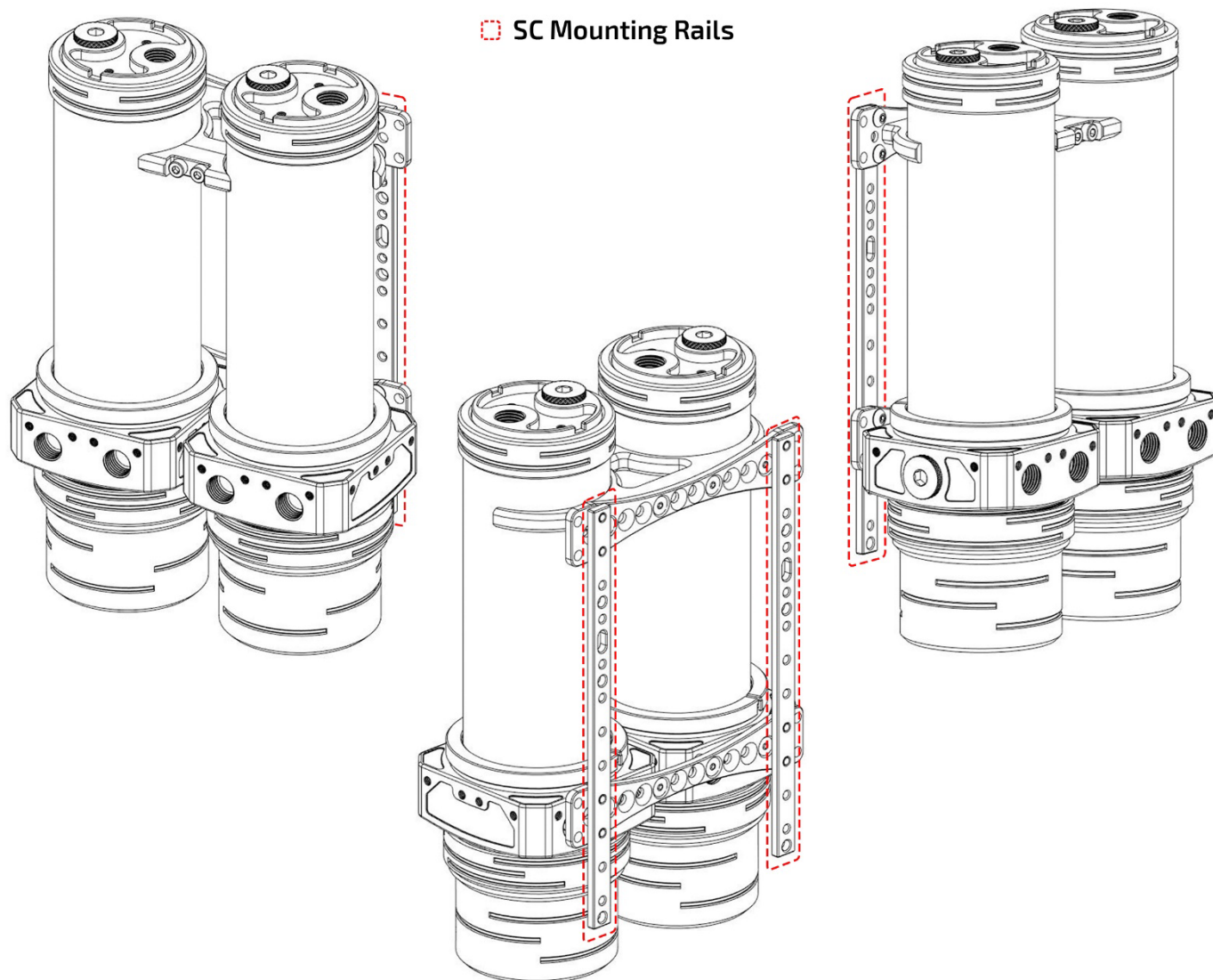
Mounting Configurations

The Protium 3.0 ARGB 150 D5 Reservoir Combo can be mounted facing four directions and it can also be dual mounted with two combos side by side. Mount the back plate to the pump top using the included M4 x 8mm Countersunk fasteners. The included M4 x 6mm Stand offs only need to be used when using an Ethereal Reservoir Mount (available separately). See mounting configurations in the diagrams below.

Dual Mounting

For dual mounting you will need to purchase a second SC Protium 2.0 ARGB 150 D5 Reservoir Combo and an SC Ethereal Dual Reservoir Mount. It is also good to have a set of SC Mounting Rails (shown in the diagrams below) so that you can adjust the height of the combos on the radiator. Mount the stand offs to the side of the pump tops and attach the Back Plate to them with the M4 x 8mm Countersunk fasteners. Make sure the pumps are oriented with the fronts facing toward each other and the pump covers facing outwards. Then attach the SC Ethereal Dual Reservoir Mount near the top of the Reservoirs. Finally, the entire assembly can be attached to the radiator. The height of the SC Ethereal Dual will need to be adjusted on the Reservoirs to line up with radiator or fan mounting holes.

If you are using SC Mounting Rails, they need to be mounted to the radiator first.

SC Mounting Rails

Information

Please contact support@singularitycomputers.com with any questions.