



## Parts List

### A CPU Water Block

- A-1 BPTA-CPUMS-V2-SKI.....1 pc
- A-2 Backplane assembly.....1 set

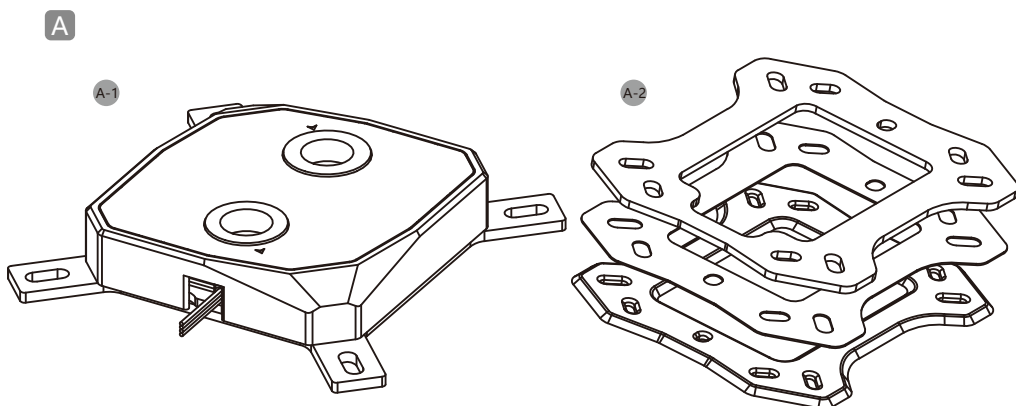
### B Fittings

- B-1 BPTA-DOTFH1622.....4 pcs
- B-2 TA-F61.....2 pcs
- B-3 BPTA-F95.....2 pcs
- B-4 BP-RIGOS5.....2 pcs
- B-5 TA-F60.....2 pcs
- B-6 TA-F40.....2 pcs

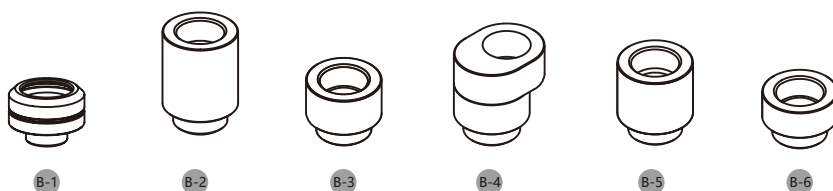
### C Accessory

- C-1 Hard tube.....2 pcs
- C-2 Fitting + soft tube.....1 pc
- C-3 CPU set

SCM3FL20  
SPRING  
SCM3F6  
1mm Spacer  
SC6-32M3  
Nylon cup washer

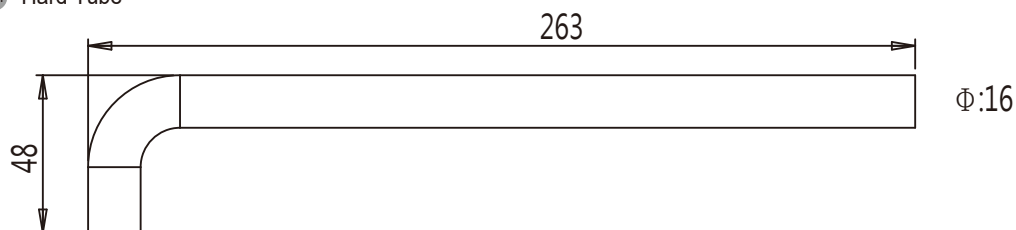


### B



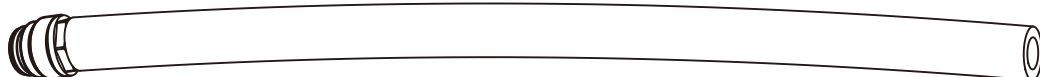
### C

#### C-1 Hard Tube



※ The allowable variance in tube length is  $\pm 2\text{mm}$

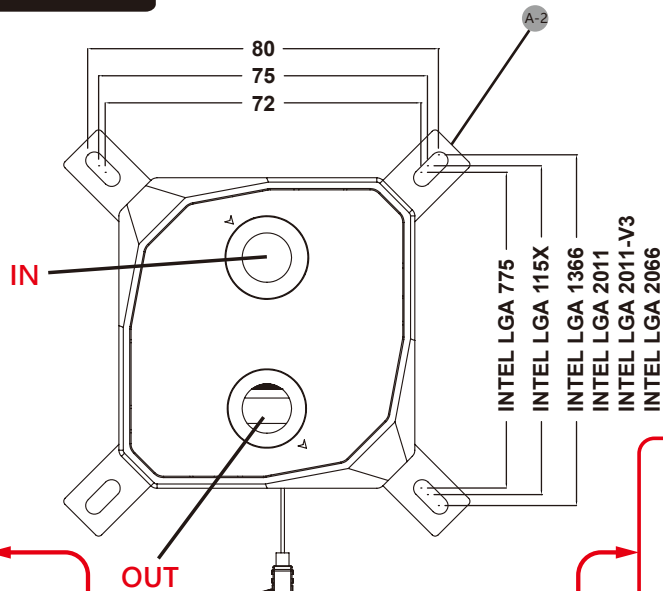
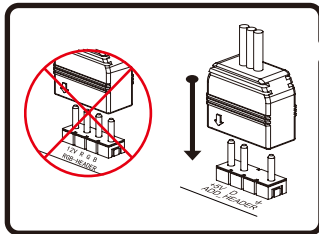
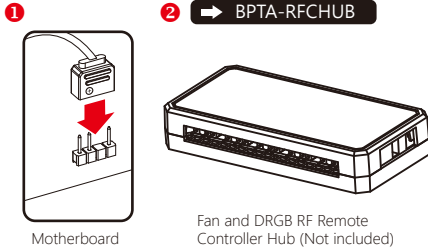
#### C-2 Fitting + soft tube



# I. Intel Motherboard system

## Installation

Bitspower Fan and DRGB RF Remote Controller Hub (Not included) are now available at [microcenter.com](http://microcenter.com)  
 DRGB PIN on ❶ Motherboard or ❷ other equipment.



INTEL LGA 775  
 INTEL LGA 115X  
 INTEL LGA 1366  
 INTEL LGA 2011  
 INTEL LGA 2011-V3  
 INTEL LGA 2066

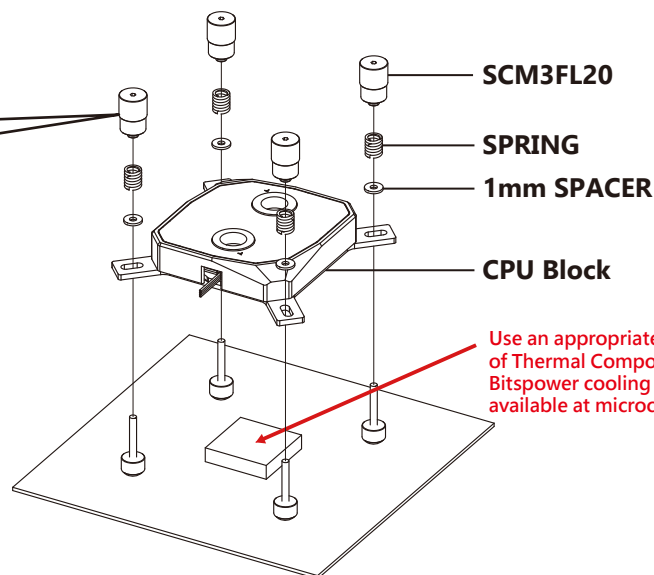
The CPU water block has a DRGB cable, which can be connected to the DRGB extension cable of the radiator fans.



## Installation

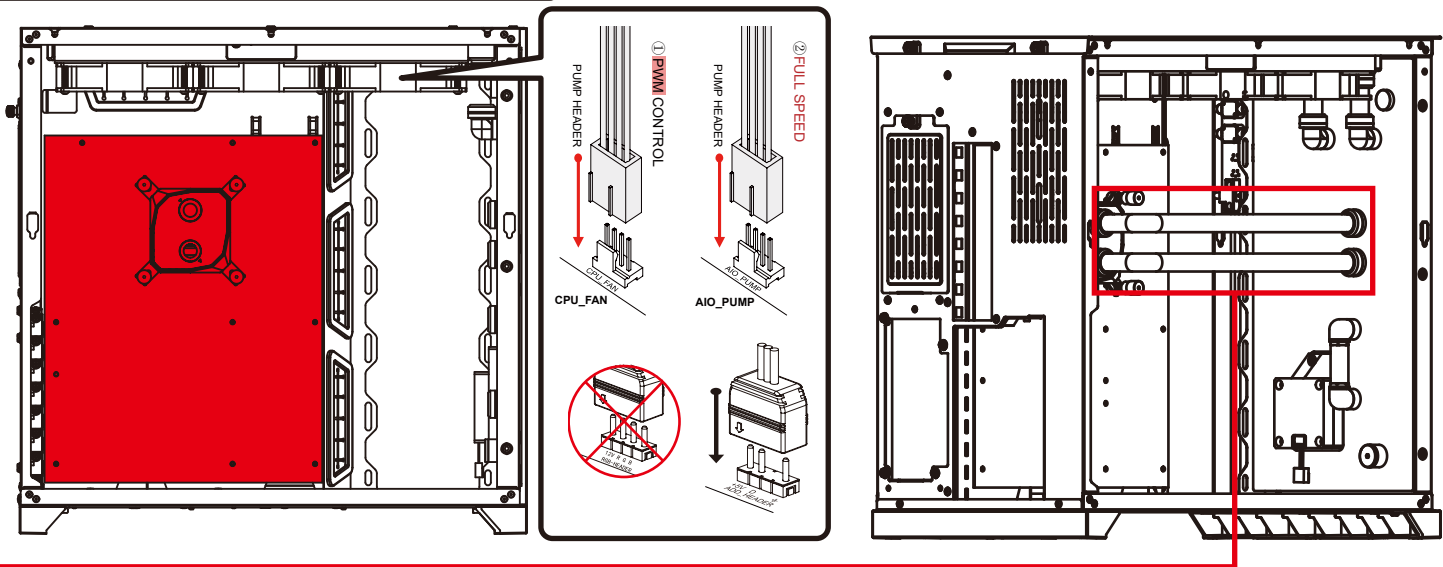


Do not over-tighten the thumb screws (SCM3FL20). The springs should be slightly compressed, with visible gaps in the spring coils. Over-tightening may result in poor contact between the water block and CPU.



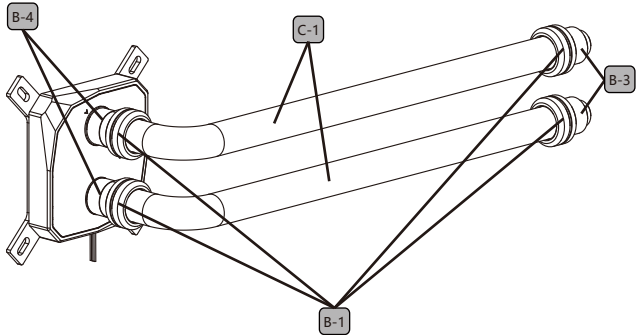
# II. Intel Chipset Installation

How to install tubes for CPU



## Installation 1

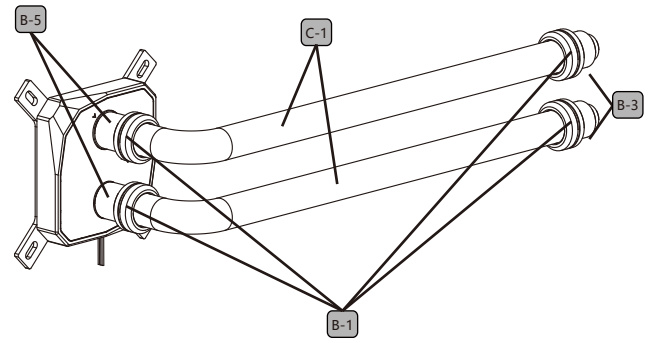
Motherboard			CPU	TUBE	
	Model	Brand			
1	MPG Z590 GAMING FORCE	MSI	INTEL	48x263 mm	48x263 mm
2	MEG Z590 ACE	MSI			
3	ROG MAXIMUS XIII HERO <small>Need to use the backplate BP-ICB (Purchase Singly).</small>	ASUS			
4	ROG STRIX Z590-A GAMING WIFI	ASUS			
5	ROG STRIX Z590-E GAMING WIFI	ASUS			
6	ROG STRIX Z590-F GAMING WIFI	ASUS			
7	PRIME Z390-A	ASUS			
8	ROG STRIX Z390-E GAMING	ASUS			
9	ROG MAXIMUS XI HERO Z390	ASUS			
10	Z590 AORUS MASTER	GIGABYTE			
11	Z590 AORUS PRO AX	GIGABYTE			
12	Z590 VISION D	GIGABYTE			
13	Z590 VISION G	GIGABYTE			
14	MSI MEG Z690 UNIFY	MSI			



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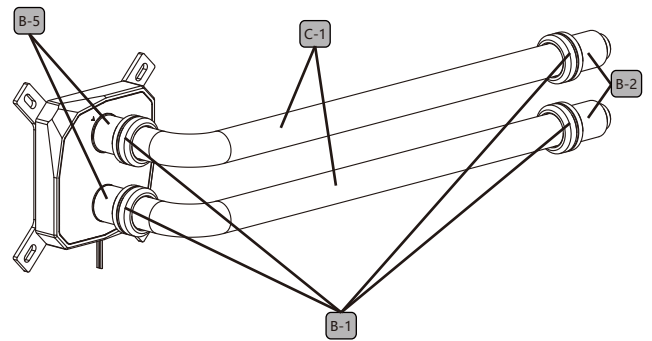
## Installation 2

Motherboard			CPU	TUBE	
	Model	Brand			
1	ROG STRIX Z690-A GAMING WIFI	ASUS	INTEL	48x263 mm	48x263 mm
2	ROG STRIX Z490-E GAMING	ASUS			
3	TUF GAMING Z490-PLUS WIFI	ASUS			
4	PRIME Z490-A ATX LGA1200	ASUS			
5	ROG Z490 MAX XII HERO WIFI	ASUS			
6	PRIME Z490-P	ASUS			
7	MPG Z490 GAMING CARBON ATX	MSI			
8	MPG Z490 GAMING EDGE ATX	MSI			
9	Z490 AORUS PRO AX ATX	GIGABYTE			
10	Z490 AORUS ELITE AC ATX	GIGABYTE			
11	Z490 AORUS ULTRA ATX	GIGABYTE			
12	NZXT N7 Z590	NZXT			
13	Z590 PHANTOM GAMING 4	ASROCK			



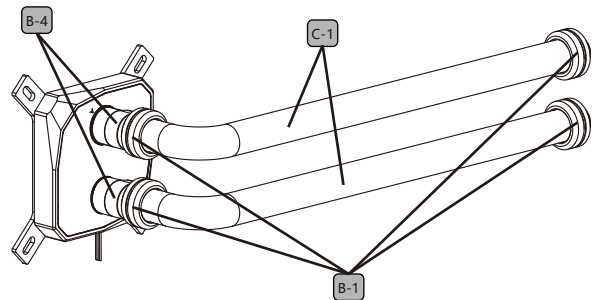
## Installation 3

Motherboard			CPU	TUBE	
	Model	Brand			
1	Z590 STEEL LEGEND	ASROCK	INTEL	48x263 mm	48x263 mm
2	Z590 EXTREME WIFI 6E	ASROCK			
3	Z390 AORUS PRO WIFI ATX	GIGABYTE			



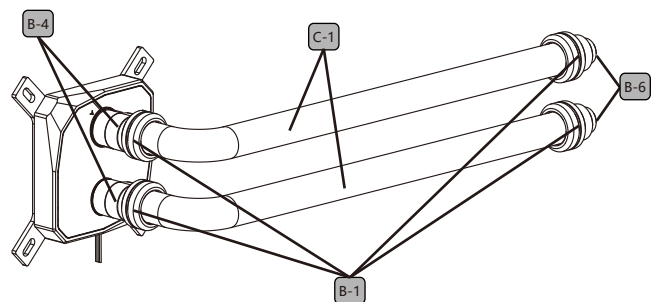
## Installation 4

Motherboard			CPU	TUBE	
	Model	Brand			
1	MEG Z490 GODLIKE	MSI	INTEL	48x263 mm	48x263 mm
1	MEG Z590 GODLIKE	MSI			



## Installation 5

Motherboard			CPU	TUBE	
	Model	Brand			
1	TUF GAMING Z590-PLUS WIFI	ASUS	INTEL	48x263 mm	48x263 mm
2	ROG Maximus XIII Extreme (M13E)	ASUS			
3	ROG MAXIMUS XIII HERO(Z590)	ASUS			

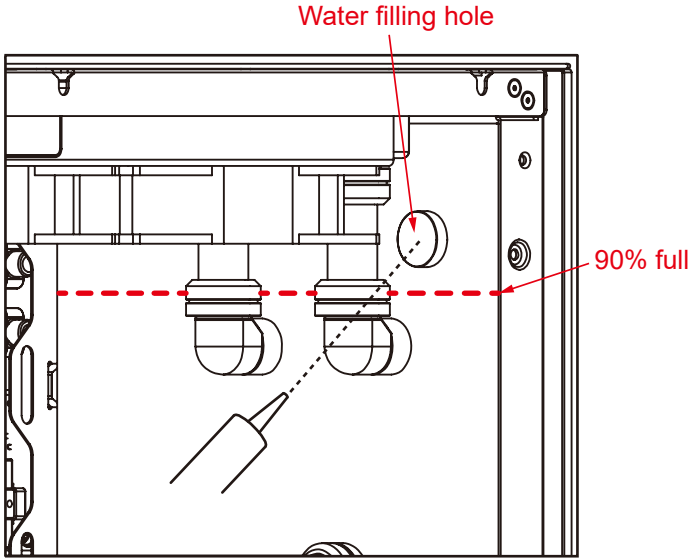


Pour the coolant into the reservoir via the water filling hole. Once the reservoir is 90% full, turn on the power supply for the pump to run and let the air exit the loop. Turn off the power supply when the reservoir is near empty. Repeat until all the air has exited the loop.

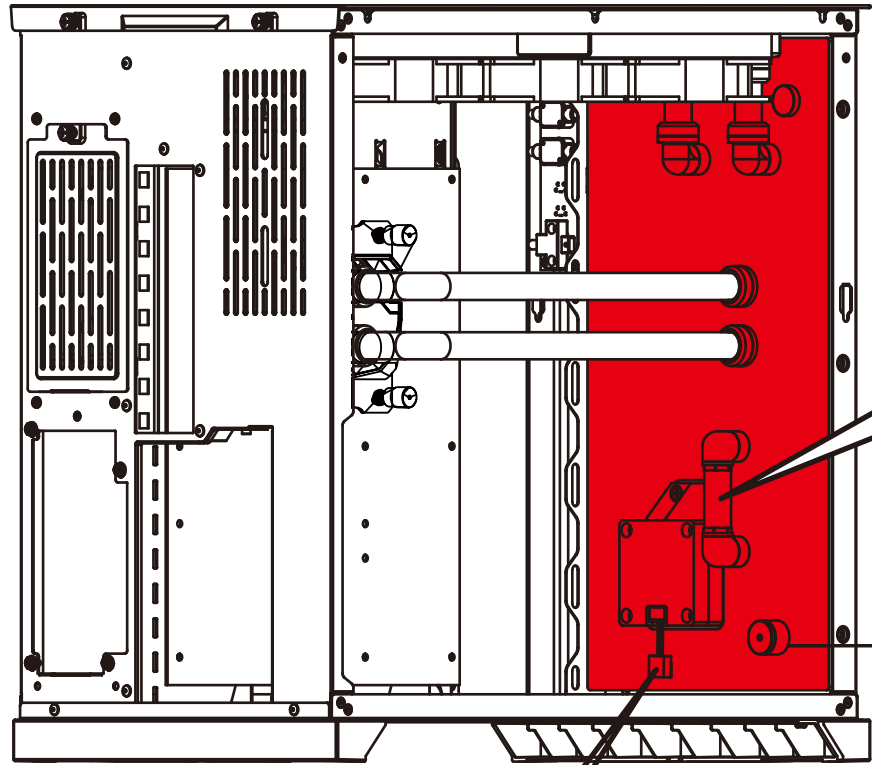
Notice : Do not turn on the pump if the reservoir is empty.

⚠ Bitspower recommends that consumers add the Bitspower coolant or purified water for their water-cooling liquid. If the consumer chooses different water-cooling liquids , the resulting impurities may cause peeling of the coating on some of the hardware, water channels blockage by built-up residue, improper operation of the water pump, water tank tube breakage, and o-rings deformation leading to leakage. Any issues related to the use of inappropriate water-cooling liquid will be the responsibility of the consumer.

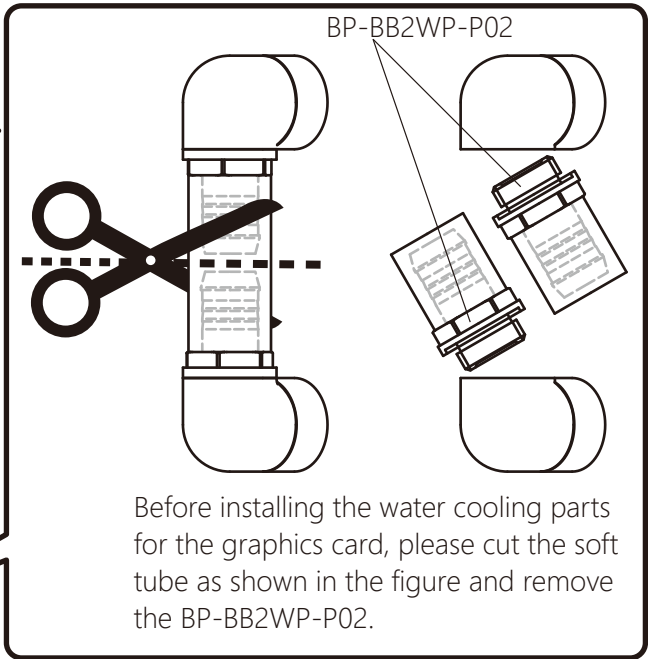
⚠ In order to make the internal circulation of the water cooling system cleaner, and avoid the pump stuck by the precipitate, we advise you to rinse the water cooling system with distilled water in several times until the excluded water is clean.



### III. BPTA-O11D-AK



backplate / control panel / top cover



BPTA-EFW

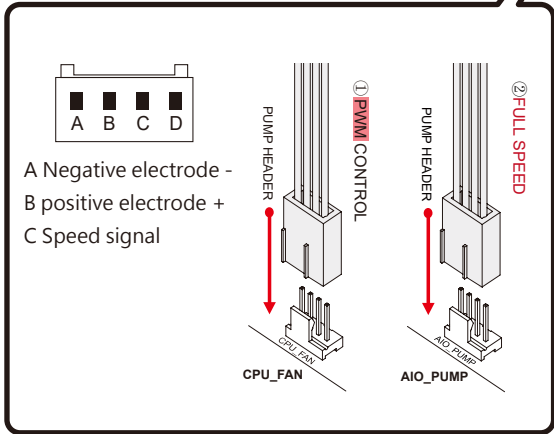
It is recommended to install the water-exhaust fitting at the lowest point of the water cooling system.

Step 1

Unscrew the top of the water-exhaust fitting.

Step 2

Replace with the water-exhaust part. When screwing in the part, water will start to discharge, it is recommended to connect tubing beforehand to control the water outflow.



Pump Spec.  
Rated voltage : 12V DC  
Power consumption : 8.4W  
Maximum flow : 460±15%L/h  
Noise : ≤24dBA  
PWM : Yes  
MTBF : ≤15,000 hours  
Warranty : 2 years

## Notice

Before filling in the water, please make sure all the components are installed correctly. To prevent any leakage which may damage the PC components, please perform a 24-hour leaking test with only the pump connected to the power supply.

Bitpower reserves the right to change the product design and interpretations. These are subject to change without notice. Product colors and accessories are based on the actual product.

When using leak tester on water cooling loop, in order to avoid product damage due to excessive pressure, the input pressure should not exceed 0.5kg/cm<sup>2</sup> (Bar). If the product is damaged due to excessive pressure, it will be borne by the customer. Forbidden to use the leak tester when there is water in the loop or the pump is running.

Bitpower requires to use of distilled or pure water or Bitpower Pellucid Coolant as the water-cooling liquid. Also, the consumer can add Bitpower Dye to Pellucid Coolant for the color requirement. But please do not add any biocide by yourself. If the consumer chooses different water-cooling liquids, the resulting impurities may cause peeling off the coating on some of the hardware, water channels blockage by built-up residue, improper operation of the water pump, water tank tube breakage, and O-rings deformation or loss sealing leading to leakage. Any issues related to the use of inappropriate water-cooling liquid will be the responsibility of the consumer.

Do not turn on the pump if the reservoir is empty.