Installation of Water Connection System (For Auto Ice and Water Dispenser models only)

※ List of Water Connection System accessories



①



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③



④



⑤



⑥



⑦

① 1 x Joint Water Supply
② Dual Check Valve Assembly Block
③ 1 x Water Filter Cartridge & Head Filter
④ 1 x Joint Tube
⑤ 4 x Joint Crips (1/4”)
⑥ 1 x Sub Bracket Filter
⑦ 2 x Truss M4x35 (for fixing Sub Bracket Filter)

- Dual Check Valve must be installed to prevent backflow.
- The new tubing supplied with the refrigerator is to be used, old tubing from old water and ice connections should not be used.
- Ensure the Tube Inlet is correctly connected to the Dual Check Valve.
- Panasonic does not accept for damage, including water damage caused by faulty installation or plumbing.

Caution

- **Do not** cut any length of tube shorter than 200 mm (7.87”).
- **Do not** fix Water Filter to the refrigerator.
- **Do not** install Water Connection System near electrical wires or water pipes that will be in the path of drilling when selecting the location of the filter system
- **Do not** fix the filter in such a position that it will be struck by other items, such as wastebaskets, etc.
- **Do not** install the filter or any water tubing in high temperature areas eg in a ceiling cavity.
- **Do not** install in a location that is susceptible to freezing temperatures as damage to the housing could occur.
- AVOID contamination of pipes during installation.
- **Do not** use copper tubing. The plastic tubing supplied should always be used.

※ Water Connection System installation instructions

Step 1: Ensure the refrigerator is NOT plugged into a power supply.

Step 2: Locate a cold water supply that is suitable for water connection.

Step 3: Connect 200 mm (7.87”) Tube Filter Inlet (white tube ¼”) of ② Dual Check Valve Assembly Block with ③ Water Filter Cartridge & Head Filter as instructed in Figure 1.



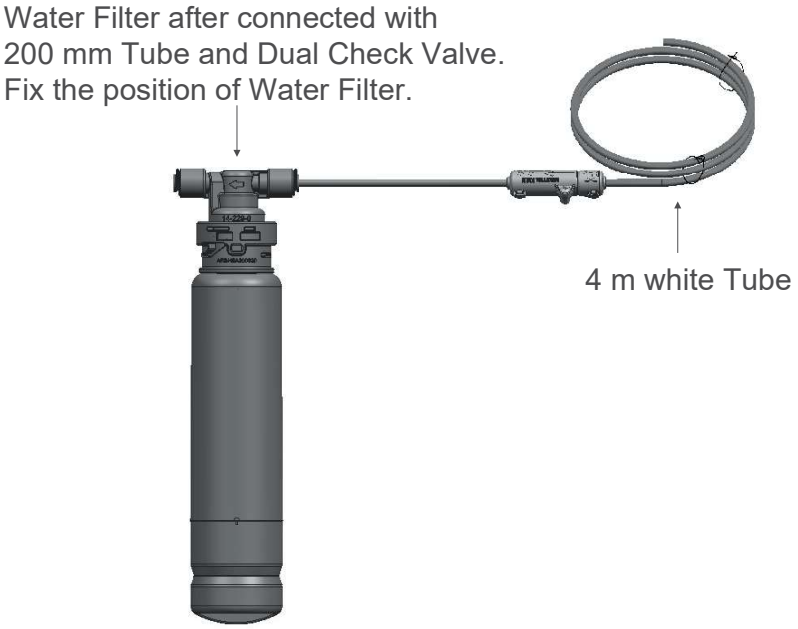
Figure 1: Connect 200 mm Tube Filter Inlet of Dual Check Valve Assembly Block with Water Filter Cartridge & Head Filter

Step 4: Decide the position to fix the Water Filter.

Determine the length of tubing that can be connected from the fixing position of Water Filter to the location of water supply, it's called “Tube A” (Refer to Figure 2).

Cutting tube surface should be flat and perpendicular with the length of tubing to prevent water leaks.

※ **Before cutting**



※ **After cutting**

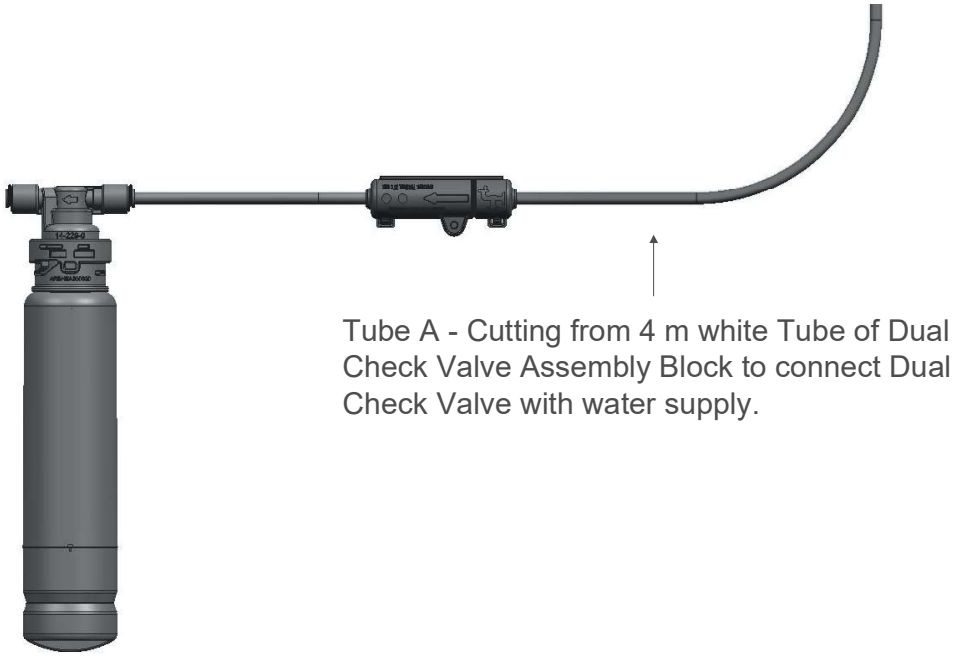
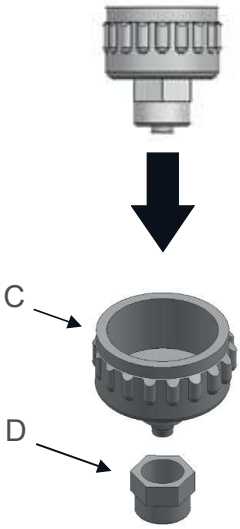
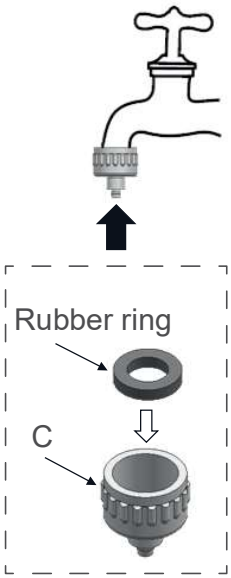


Figure 2: Decide position of Water Filter and cutting “Tube A” to connect Dual Check Valve with water supply.

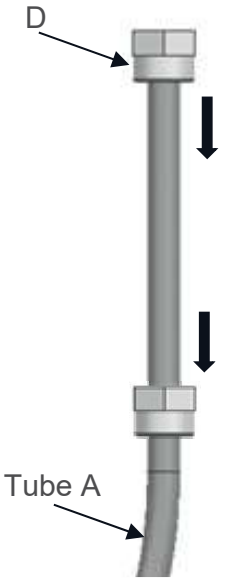
Step 5: Connect Joint Water Supply to water supply tab as instructed in Figure 3.



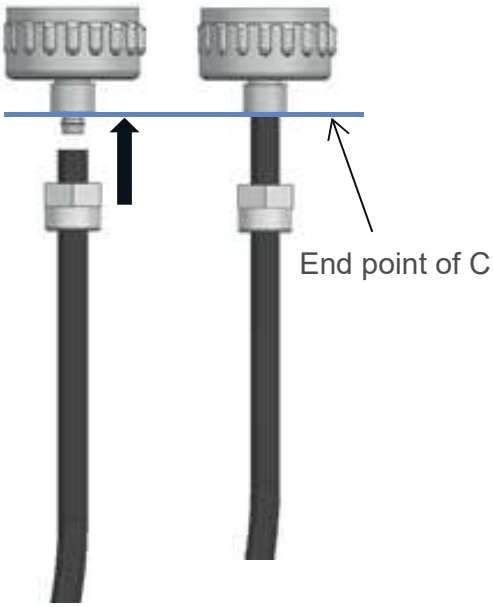
Disassemble C & D
of Joint Water Supply



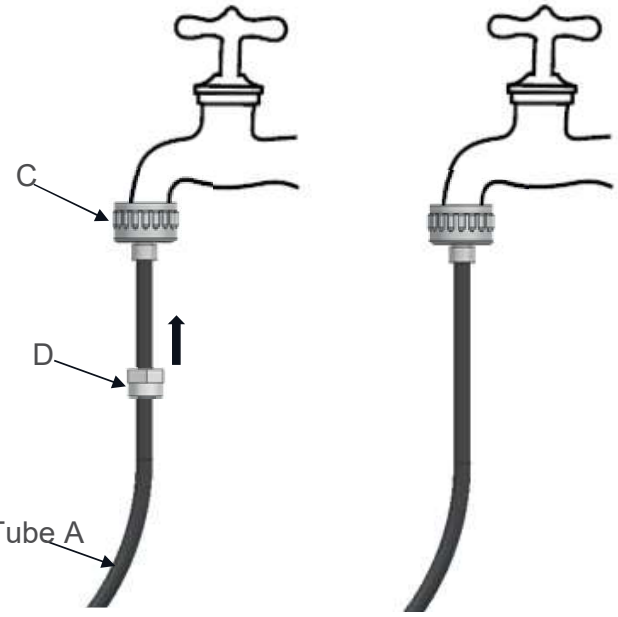
Connect C with Rubber ring
into water supply tab



Insert D into Tube A in Step 4
as shown in above image



Insert Tube A into C until Tube A
reach to end point of C.



Move up D and screw it to firmly fix Tube A
and C.

Figure 3: Connect Joint Water Supply to water supply tab

Step 6: To flush the Water Filter of any trapped air, aim the Water Filter into a bucket, turn water supply tap on and run the water through Water Filter at least 12 liters (12 qt) of water. Once complete, turn water supply tap off. This step is highly recommended to avoid water dripping.

Step 7: Determine the length of tubing that can be connected from the refigerator to Water Filter, and cut or using the remaining after cutting Tube A of the 4 m Tube Valve Inlet (tube ¼").

It's called "Tube B".

Length of Tube B will be decided according to the location of refrigerator and Water Filter.

Cutting tube surface should be flat and perpendicular with the length of tubing to prevent water leaks.

Step 8: Connect refrigerator and Water Filter by "Tube B" and Joint Tube ④.

Plug the tube into the full depth of the Filter and Joint Tube (15 ~ 18 mm) to prevent water leaks.

Firmly fix the tube using Joint Crips (¼").

After Step 8, please check again your tubing layout as Figure 4.

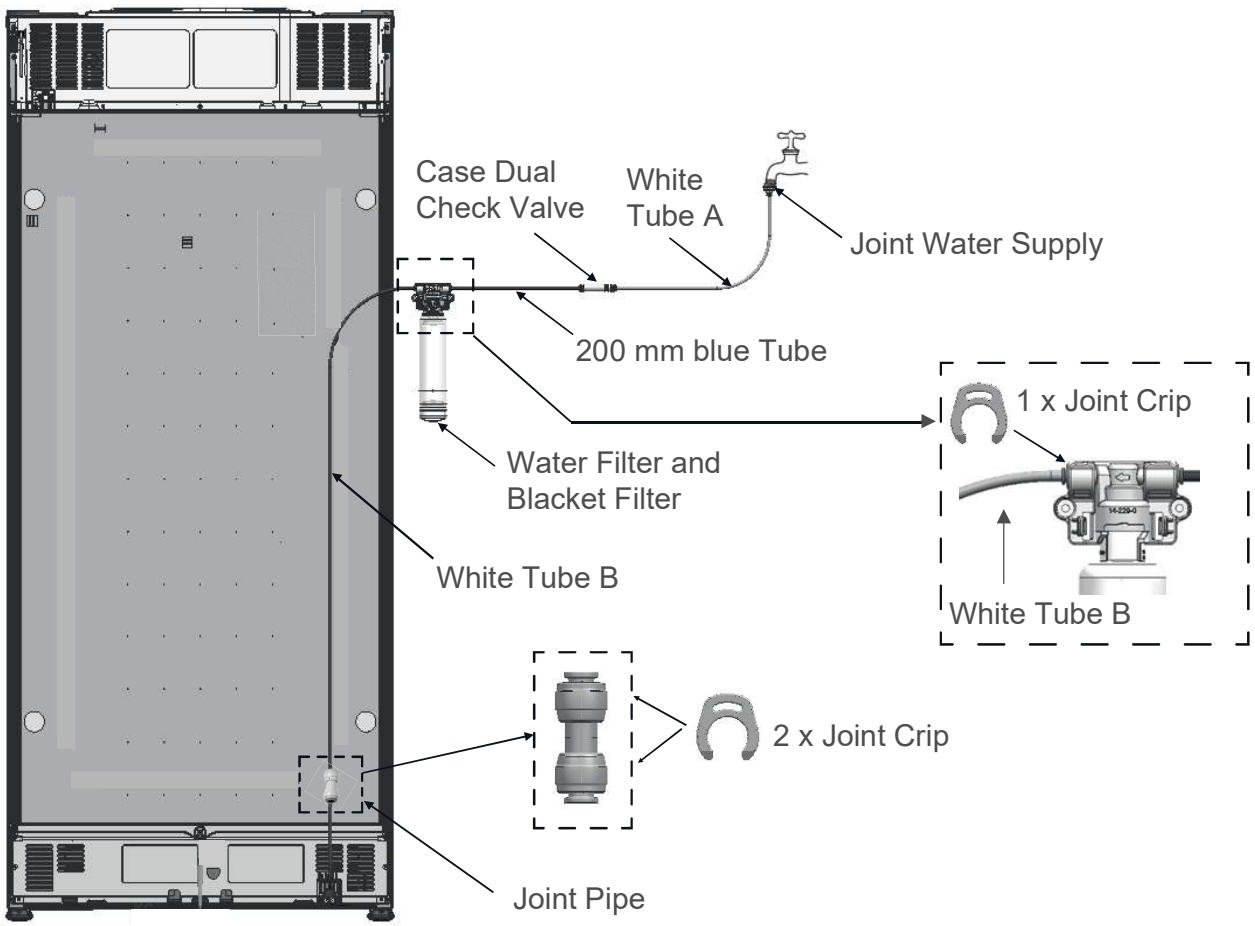


Figure 4: Designed Tubing layout

Step 9: Determine the mounting position for the Water Filter and fix the Sub Bracket Filter ⑥ with 02 pcs of Truss M4x35 ⑦ to a fixed surface.

The direction to fix Sub Bracket Filter is referred to in Figure 5.

Ensure the Water Filter is in a convenient location to access easily every 6 months for replacement.

Ensure the clearance from the bottom of Water Filter is at least 50 mm to perform filter removal (Figure 6).

Insert Water Filter to Sub Bracket Filter by inserting the Head Filter of Water Filter to hooks of Bracket until get the “Click” sound when Water Filter and Sub Bracket Filter are locked into place.

Move Water Filter down about 90° until get the “Click” sound when Water Filter is firmly locked into.

We recommend fitting the Water Filter in a vertical orientation with the Head Filter at the top as in Figure 6.

This will ensure the performance of Water Filter and minimise water leakage during replacement of the filter.

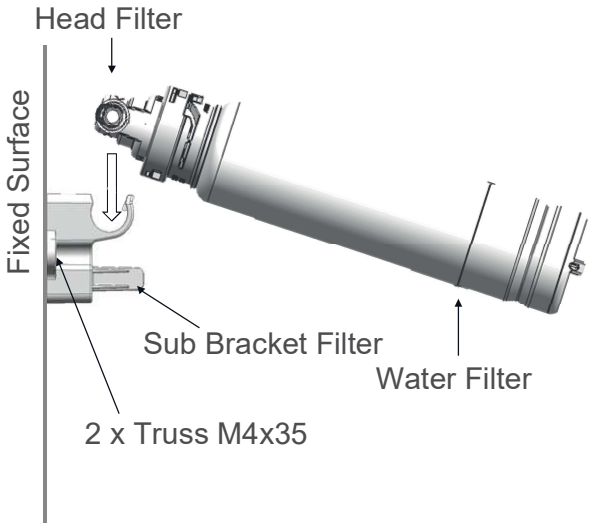


Figure 5: Sub Bracket Filter and Water Filter fixing direction.

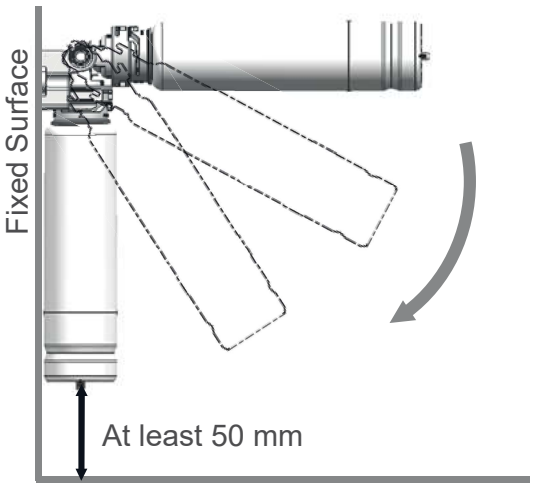


Figure 6: Water Filter usage setting.

※ **After Water Connection System installation**

- Check all connections carefully to prevent leaks.
- Switch on your refrigerator after finishing Water Connection installation.
- Allow at least 4 hours in continuous running for the refrigerator to cool down, in the condition of no loads inside and the doors are not opened.
- For the first time using Auto Ice making, please check the operation of Auto Ice Off mode (Page 32).

  If Auto Ice Off mode is in operation, turn off this mode.

  Activate Auto Ice Clean mode as the instruction in Page 32 to ensure cleaning dust and eliminate unpleasant smell.
- The first time you use your Water Dispenser, there will be a 1 - 2 minute delay while the tank fills. Please dispense continuously in about 30 seconds each time.

  Run through and discard the first approximately 3 liters (3 qt) of water, stopping intermittently to remove trapped air in the system.

  Failure to do this will result in excessive dripping from your dispenser.
- If the **Step 6** flushing the Water Filter of trapped air (Page 15) was skipped, please follow these below steps in the first time using Water Dispenser to avoid water dripping:

  ① Press the Water Dispenser to dispense 4 liters (4 qt) of water.

  ② Wait for 3 ~ 5 minutes before dispensing again.

  ③ Dispense 4 liters (4 qt) of water then wait another 3 ~ 5 minutes.

  ④ Dispense another 4 liters (4 qt) of water. Your Water Dispenser is ready to use.
- Please note that after few days once installation is completed, a few drops may appear from the dispenser as the remaining trapped air is cleared.
- Water Dispenser set for water to flow out in about 1 second delay to prevent water from flowing out when accidentally touching the lever of Water Dispenser.