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# ALSAPURE DEIONIZING SYSTEM

(Super Capacity, Long-Lasting Tap Water Deionizer)



## INSTALLATION AND OPERATING MANUAL

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Thank You for your purchase. *With proper installation and maintenance, this system will provide you with high quality water for years to come. All products are rigorously tested by for safety and reliability. If you have any questions or concerns, please contact our customer service department.*

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## **HOW TO CHANGE CARTRIDGES:**

(These instructions apply, in general, to all four filter stages).

1. Be sure the water supply valve is turned OFF.
2. Relieve any pressure in the system by opening a down-stream valve or nozzle. Bleed water until the pressure is removed, and no water is coming from the system.
3. Remove the filter housing with the supplied wrench. *Never use wrench to tighten housing.*
4. Replace with the proper filter as determined on page 3 and 5. Housings should seal with hand tightening. If they do not seal, remove and check o-ring for debris or damage.
5. Follow the Rinse-Up Procedure on page 4. Failure to do so will prematurely exhaust cartridge "C".

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## **REPLACEMENT PARTS:**

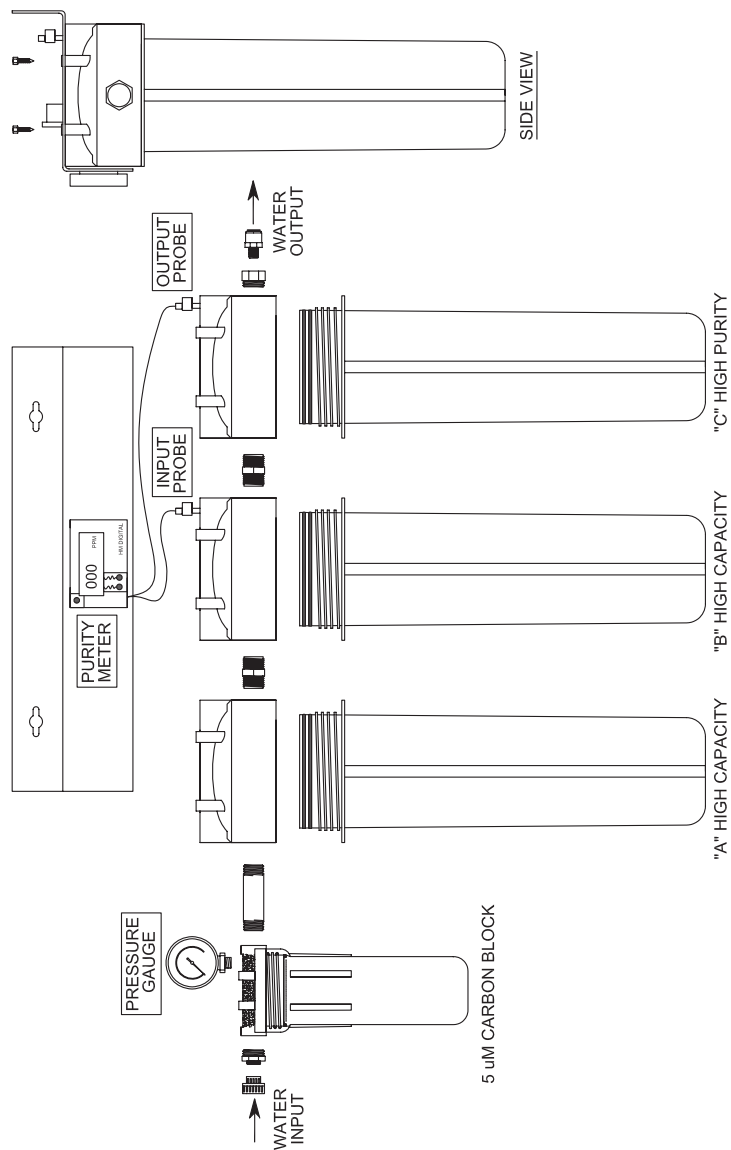
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PART NUMBER	DESCRIPTION
CF-5-10	5 uM Carbon Block
DI-HCA-20BB	High-Capacity "A" DI Cartridge
DI-HCC-20BB	High-Capacity "B" DI Cartridge
DI-MB-20BB	High-Purity "C" DI Cartridge

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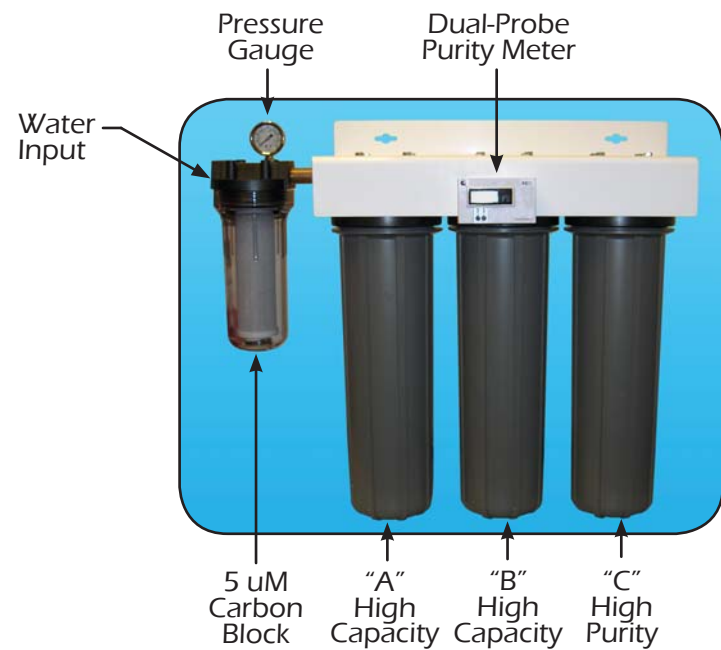
## SYSTEM ASSEMBLY:



## SYSTEM SET-UP:

1. Insert the 10" Carbon Block Filter into the short housing and screw the housing to the head, **hand-tighten only**.
2. Locate the "A" Cartridge and insert into the 20" housing. Screw the housing to the large left-most head.
3. Locate the "B" Cartridge and insert into the 20" housing. Screw the housing to the large middle head.
4. Screw the third housing onto the large right-most head without the "C" cartridge for now.
5. Attach the 3/4" male garden hose adapter to the Water Input.
6. Attach the 1/2" blue tubing to the output of the system by firmly pushing the tubing into the output push fitting.

The system is now ready for the rinse procedure.



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## ***RINSE -UP PROCEDURE:***

During the initial rinse-up of cartridges "A" & "B", impurities are released that would reduce the lifetime of cartridge "C" if it were not removed. **Be sure to rinse up all new "A" & "B" cartridges with the downstream cartridge removed.** This rinsing step will ensure that "A" & "B" cartridges are rinsed up to produce high quality water before connecting cartridge "C". Failure to rinse cartridges "A" & "B" will reduce the lifetime of cartridge "C".

### **RINSE-UP PROCEDURE:**

1. Slowly open the cold water supply valve and adjust the output water flow to around 3 gallons per minute (or less). **Never run hot water (greater than 100 F (38 C)) through system.**
2. Run water through the system until the INPUT reading reads less than 10 (this may take a few minutes). *Discard this water down the drain.*
3. Turn water off to the system & install cartridge "C" into the right-most, 20" housing.
4. Turn the cold water supply back on. Press the power button on and press the OUTPUT button. This sets the meter to monitor the output of the high-purity "C" cartridge.
5. Run water to drain until the OUTPUT reading reads 000. Water is now ready to use.

**NOTE: Make sure that the Rinse Procedure is completed every time cartridges "A" & "B" are replaced.**

**NOTE: When cartridge "C" needs to be replaced, always rinse the cartridge until the OUTPUT reading drops to 000 BEFORE using the water.**

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## ***OPERATION:***

Turn on the tap water and adjust the output water flow to around 3 gallons per minute (or less).

1. Press the power button on the Purity Meter. This sets the meter for the INPUT reading. The INPUT probe is located after the cartridge "B" and before cartridge "C". The INPUT should read 010 or less after a few minutes. When this reading rises above 010, it is time to change the "A" and "B" cartridges, along with the 10" Carbon Block Filter.
2. After taking the INPUT readings, press the OUTPUT button. The final OUTPUT must maintain a reading of 000. When the output rises above 000, the "C" cartridge must be replaced.

 When finished producing water, don't forget to turn off the water supply 

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## ***CARTRIDGE MONITORING:***

When using your AlsaPure Deionizing System, you must check the quality of the water produced each time you use it by observing the Purity Meter. NOTE: Water must be flowing through the system to check the condition of the deionizing cartridges accurately.

1. When the INPUT reading rises above 010, cartridges "A" and "B" should be changed as soon as possible. This will help to greatly extend the life of cartridge "C". You should be able to replace three sets of cartridges "A" and "B" before needing to replace the final "C". The "C" cartridge should be replaced when it finally reads 001.
2. When the final OUTPUT reading is 001, cartridge "C" must be replaced to ensure consistent high-quality water for your application.
3. The input Carbon Block Filter should be replaced every time the "A" and "B" set is replaced for maximum purity and best results.