



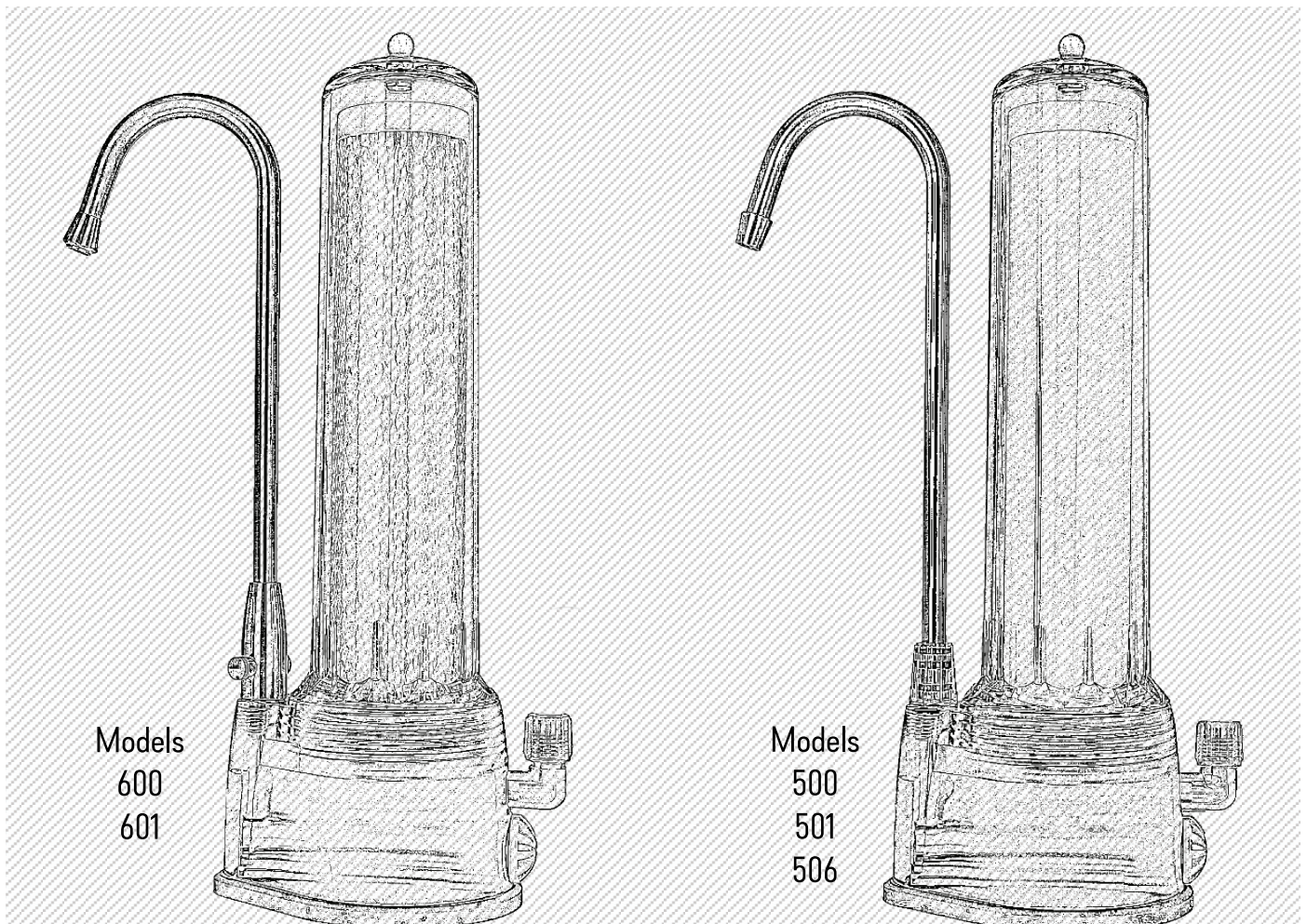
Mineralized Filtration System (Countertop)

Ceramic Series: Model 500/501

Disruptor Series: Model 506/600/601

***Undercounter: Model 901-C/901-D**

Assembly & Operations Instructions [Manual]



Introduction

Thank you for choosing the AVAVA Disruptor/Ceramic Integrated Water Filter Action System. This remarkable component has been engineered to provide water with nutrients. As this product has an immense array of features. We recommend you to read the contents of this manual before you set up the filter for use.

Disruptor Comparison

Water Remediation Technologies						
Contaminants	Disruptor® PAC Technology	RO	UF	Particulate Catridges	Carbon Block	Ultra Violet
Dissolved Salts		⊙				
Endotoxin	⊙	⊙	⊙	⊙		
Virus	⊙	⊙				⊙
Bacteria	⊙	⊙	⊙	⊙	⊙	⊙
Cysts	⊙	⊙	⊙	⊙	⊙	⊙
Polysaccharides (TEP)	⊙	⊙	⊙			
Colloids	⊙	⊙	⊙			
Particulates	⊙	⊙	⊙	⊙	⊙	
Chemical Reduction	⊙	⊙			⊙	⊙
Trace Pharmaceuticals	⊙	⊙			⊙	⊙

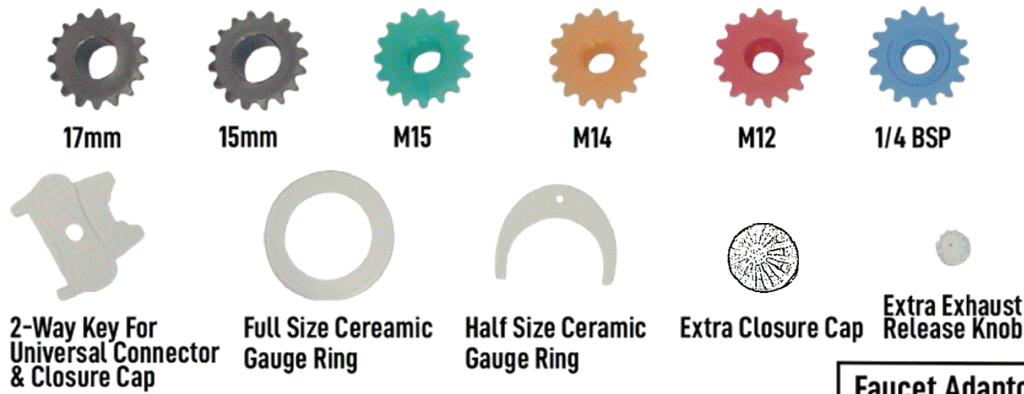
Membrane definition: Reverse Osmosis=RO; Ultrafiltration=UF.

Specification of the Filter

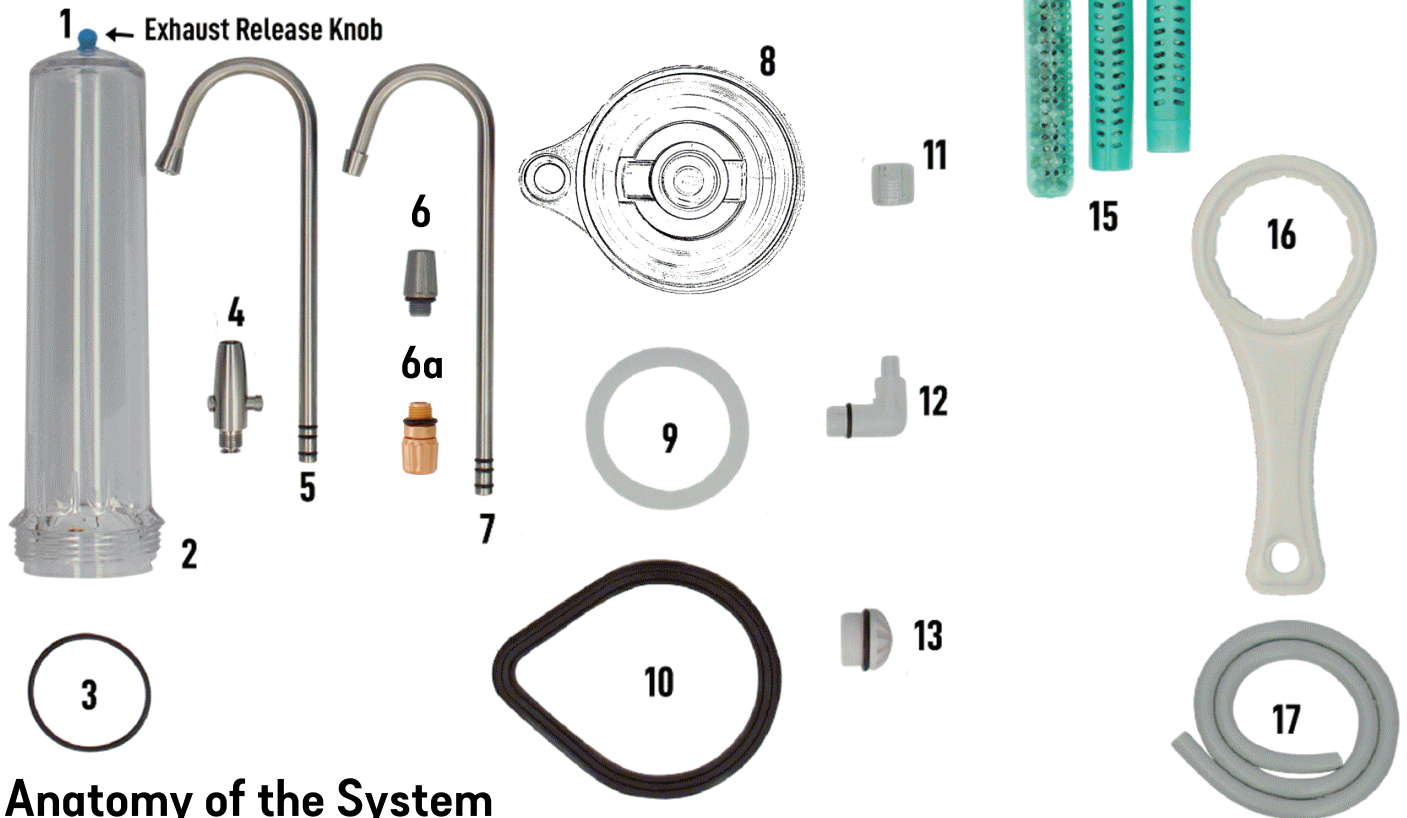
	Ceramic Series	Disruptor Series
Model	500/501/901-C	506/600/601/901-D
Tap Water Pressure	1.5 - 4.5 Bar	
Elimination Rate	Bacteria 99.99%	
Filter Materials	Ceramic	Non - Woven Media
Tap Water Temperature	5 ~ 38°(41 ~ 100 °F)	
Filtration Flow Rate	2.5 ~ 3.5 Liters / Minute	

Accessories in one box: (16 pieces)

Universal Filter Connectors



Faucet Adaptor



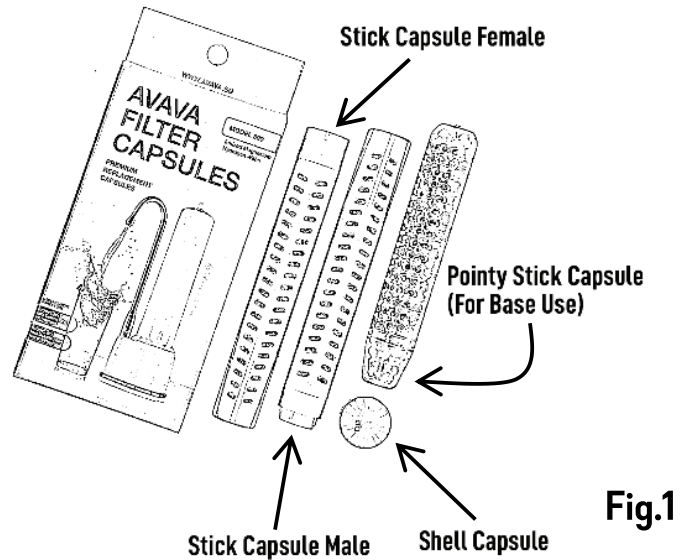
Anatomy of the System

- | | |
|--|---------------------------------------|
| 1) Exhaust Release Knob | 10) Silicon Ring |
| 2) Filter Housing | 11) Inlet Fitting Closure Cap |
| 3) Filter O - Ring | 12) Inlet Fitting |
| 4) Switch Valve | 13) Closure Cap |
| 5) Spout (Model-600/601) | 14) Disruptor/Ceramic Filter |
| 6) Outlet Fitting: 6 counter top (500/501/506) | 15) Element Stick (Green - Model 800) |
| 6a Undercounter (901) | (Orange - Model 803) |
| 7) Spout (Model-500/501/506) | 16) Housing Opener |
| 8) Base Member | 17) Hose 1.1mm for Counter Top |
| 9) Base Washer | Hose 2mm for Undercounter |

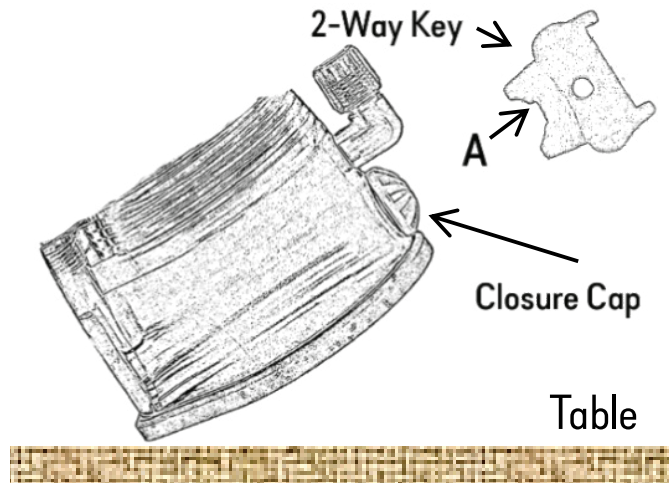
Installation

1. Open the box of stick capsules.
(Make sure there are 4 pieces)
(Fig. 1)

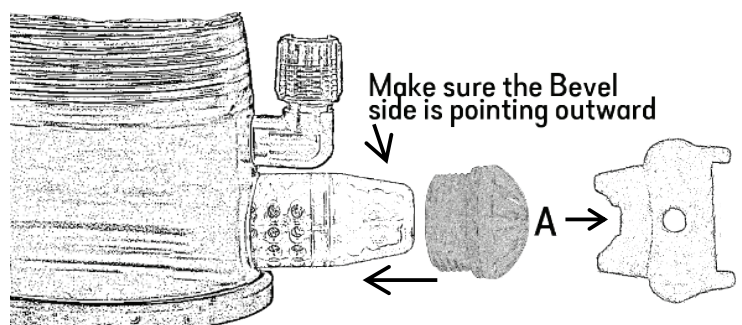
- * **Model: 800**
*Refill for Ionized
Magnesium Hydrogen Water*
- * **Model: 803**
Refill for Alkaline Ion Water



2. Unscrew the closure cap
using the 2 - Way Key.
(A-Side)
(Use table as support,
Tilt the base at 45° for
easier opening of cap)
(Fig. 2)



3. Insert the pointy stick
inside the base member.
Screw the closure cap
and tighten with the
2-Way Key. **(Fig.2A)**
(Tilt the base for easier
tightening of cap as above)

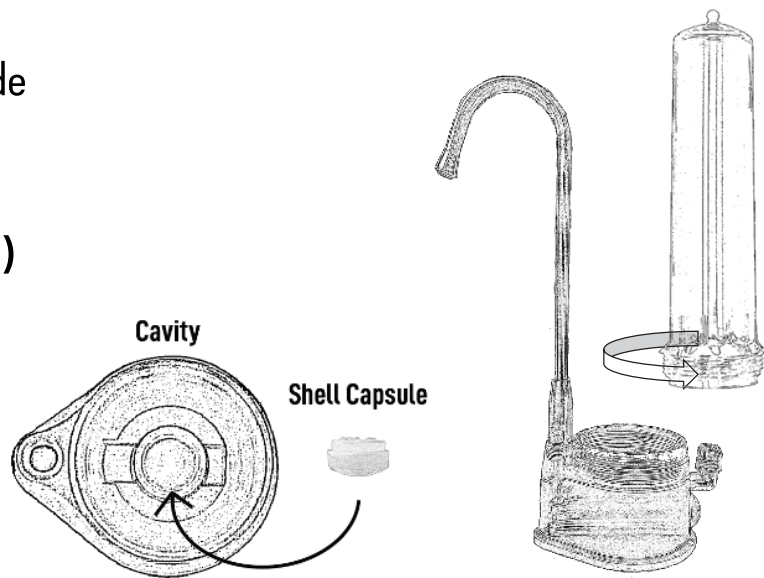


NOTE : Only for Model 501/506/601/901

4. Unscrew the Filter Housing (Anti-Clockwise).

Fig.3

Place the shell capsule inside the middle of the “Cavity” with the bevel side of the capsule facing down. (Fig. 3)



5. Take out the cartridge (Disruptor/Ceramic) from the box.

Connect the male and female stick capsules and insert into the filter element cap. (Fig. 4)

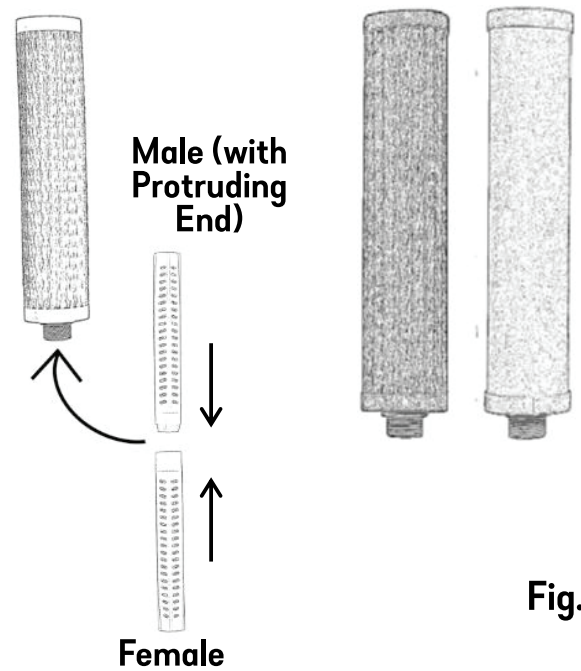


Fig.4

6. Screw the cartridge (Disruptor/Ceramic) back to the “Cavity”. (Fig. 5)

Screw back the filter housing to the base member and tighten it to prevent water from leaking out of the housing.

NOTE : Try not to overtighten (Hand tighten only) the neck of the “Ceramic Cartridge”, if not, it will break.

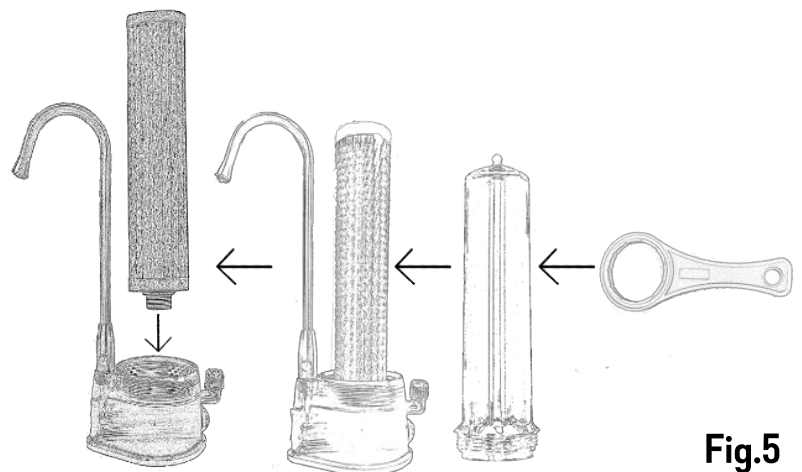


Fig.5

7. Unscrew inlet fitting cap, thread in the cap through the hose (**Fig. A.1**), install the hose onto the inlet fitting and screw tightly with the inlet fitting cap. (**Fig. A.2**)

Fig.A.1

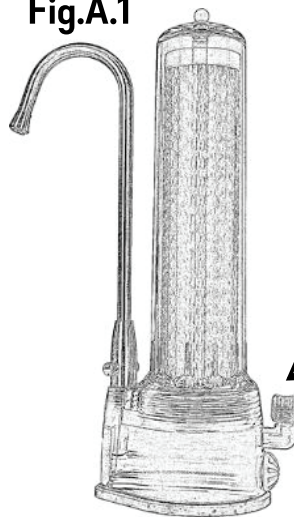
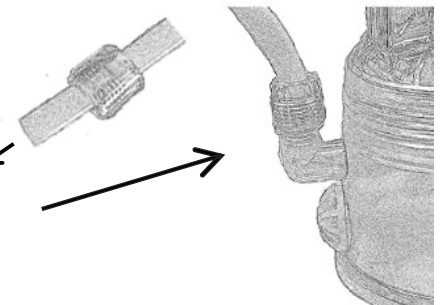


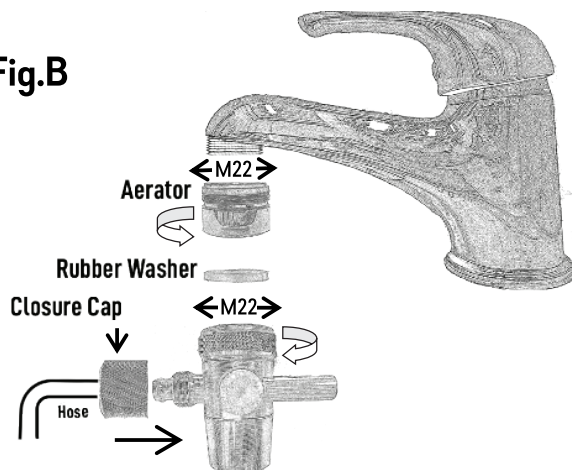
Fig.A.2



8. Take out Closure cap (**Fig. B**).

Unscrew the aerator anti-clockwise from your tap. If your faucet (outer thread) is M22, install the 2-Way Valve with rubber washer to the faucet in a clockwise direction.

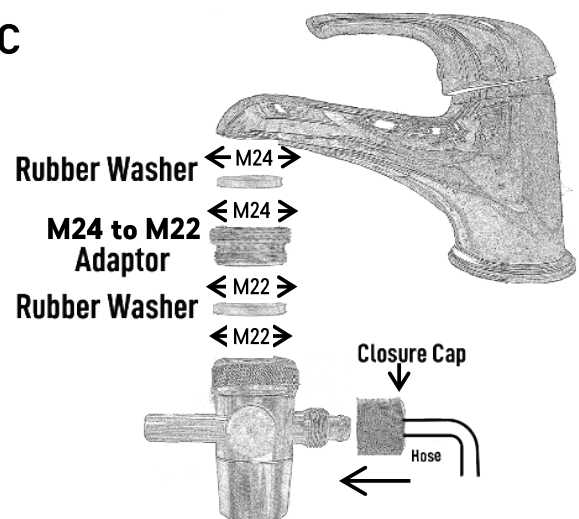
Fig.B



After completing the above steps, insert hose on the 2-Way Valve and screw tight with closure cap. (**Fig. B**)

9. If faucet (Inner Thread) size is M24, use adaptor provided with rubber washer. If the thread is not enough, please use an existing rubber washer to fill up space. (**Fig. C**) (included Adaptor M24 to M22 Outside Thread)

Fig.C



* For other sizes, please see optional adaptor. (**Fig. D**)

Fig.D

A. Outside Thread

B. Inside Thread



← M22 →



← M22 →

A (Outside Thread)

1. M22 to M22
2. M21 to M22
3. M20 to M22
4. M19 to M22
5. M18 to M22
6. M16 to M22

B (Inside Thread)

1. M24 to M22
2. M21 to M22
3. M20 to M22
4. M19 to M22
5. M18 to M22
6. M16 to M22

Operation of the System

Note: Please wash your hand first before assembling the Water Filtration System

Conditioning the filter

Ensure the Exhaust Release Knob is loosen by turning Clockwise $\pm 180^\circ$ before filling up with water.

The filter unit should now be ready for first filling with water by runing on the Main Tap (**Fig.1**), followed by 2-Way Switch turning toward the Filter Direction 90° . (**Fig.2**)

When the Filter Housing is filled up with water, there will be excess water spurting out from Exhaust Release Knob. To seal up, turn it anti-clockwise $\pm 180^\circ$ (**Fig. 3**)

Quickly turn "OFF" the Main Tap, followed by 2-Way Switch. (**Fig. 2**)

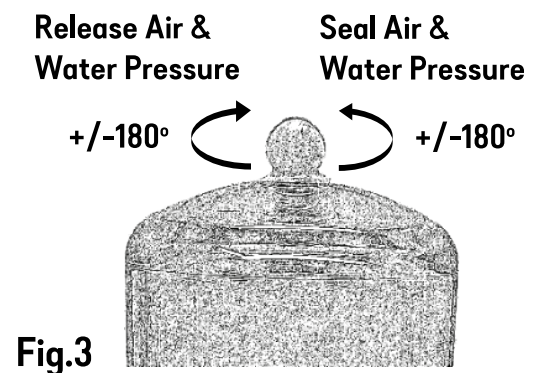
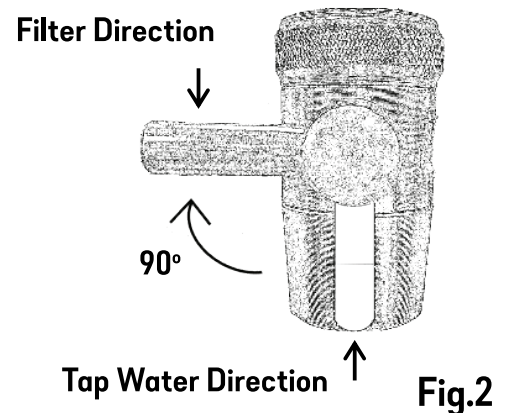
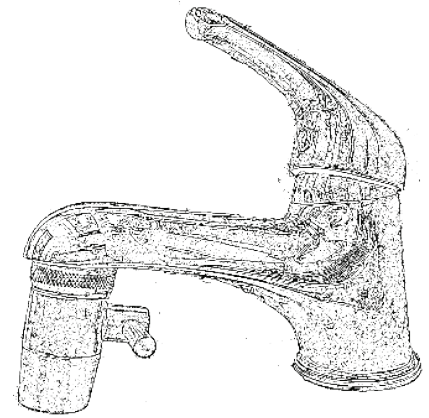
After the faucet is turned off, water will still drip from the water outlet of the water filter due to the water filtering during the water inlet process. The air in the device is not entirely exhaust as part of the air was compressed on the top of the water filter. Thus, causing the water to surface out from the hole of the Exhaust Release Knob. The Exhaust Release Knob is equipped to release the excess air and water pressure. Gently rotate in the clockwise direction with fingers and stop at $\pm 180^\circ$ to release the air and water pressure. To Seal Up, gently tighten anti-clockwise $\pm 180^\circ$ or when water stop spurting out. (**Fig. 3**)

Note:

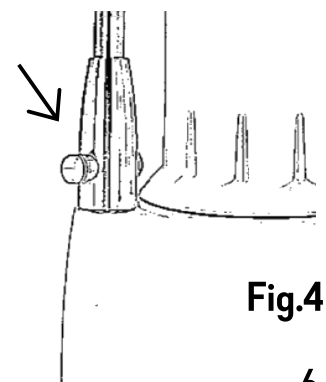
When turning the Exhaust Release Knob and to avoid the screw from detaching off the casing threads, do not over loosen or rotate clockwise more than $\pm 180^\circ$ (Fig.3)

Slide toward the thin side to turn "ON", purified water will then be dispensed through the faucet. (**Fig. 4**)
(Model 600/601)

Fig.1



Slide towards the thin side to turn "ON" (See Page 7)



Allow the water to run for a minimum of 1-2 minutes or up to 3-8 liters (Disruptor/Ceramic) depending on condition of water.

After carrying out this procedure, the filter is now ready for use. If the water in the filter is not used for more than 48 hours, please flush away 500ml of water before use.

1. Turn on the tap. (Fig. 1)
2. Rotate the 2-Way Switch turning toward the Filter Direction 90°. (Fig. 2)
3. Slide the Switch Valve to "ON"(Fig.4)
To dispense Purified Water .

Note:

Do not be alarmed at times you might see the glass of water is slightly cloudy, this is due to the hydrogen bubbles in the water.

4. Reverse Step 3 to 1 to close/turn "OFF".

Note:

If there is water dripping after turning off the tap, it means that there is extra air in the housing. Turn on the tap at a low flow of water so that the excess air can be released by turning the release knob in a clockwise direction. (Fig. 3)

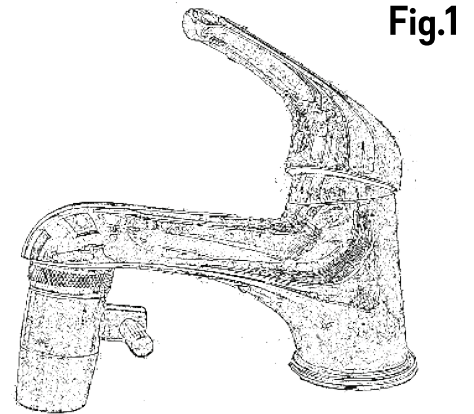


Fig.1

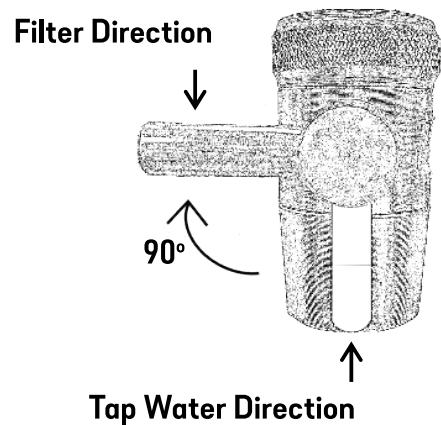


Fig.2

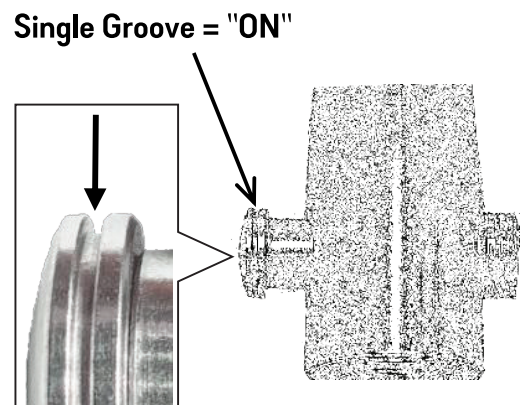


Fig.4

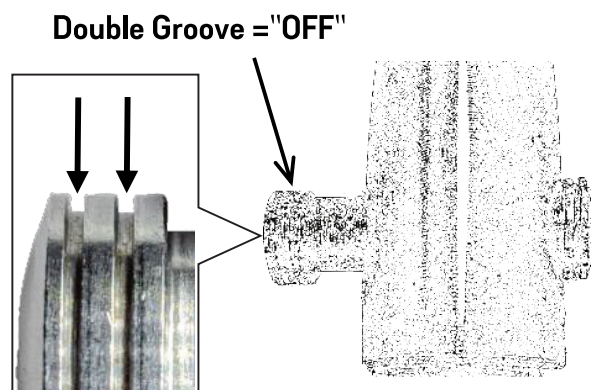
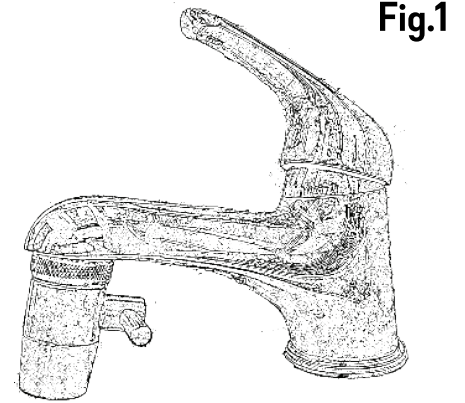


Fig.4A

Countertop Series

1. Turn on the tap. **(Fig. 1)**
2. Rotate the 2-Way Switch turning towards the Filter Direction 90°. **(Fig.2)**
3. Purified water will dispense through the faucet.
4. Reverse Step 2 to 1 to close/turn **"OFF"**.



Servicing the Filter (Fig. 5)

When the water flow starts to slow down, it is time to clean the surface of the Disruptor/Ceramic Filter.

1. Release air and water pressure by turning Exhaust Release Knob +/-180° clockwise followed by unscrewing the housing and disruptor.
2. Remove the net protector from the Disruptor Filter and use a soft brush to scrub in any one direction.

OR

3. Clean the surface of the Ceramic cartridge up and down with a scouring pad. Use the cartridge Cylinder Ring gauge provided to check when to discard the cartridge. Discard cartridge if it goes through the Ring Gauge.

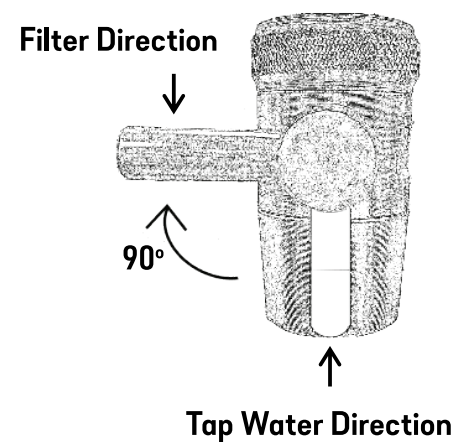


Fig.2

Gently brush/clean away the residues under cold running water and **DO NOT** use any detergent.

Note: Refer Page 6, Condition the Filter.

- * We recommend cleaning a maximum of 3 times and replace the cartridge within 6 to 12 months or 5000 liters depending on water quality and the environment in different regions.

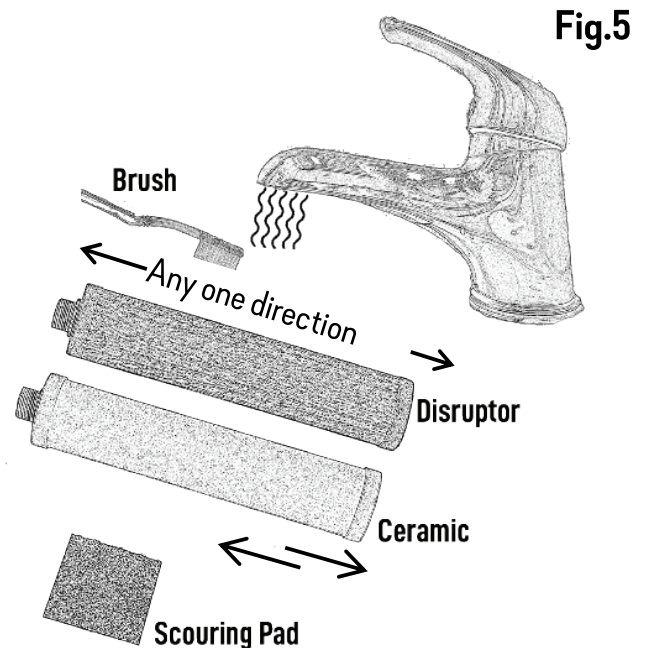


Fig.5

Filtration System



AVD-101 Disruptor Filter
AVC-103 Ceramic Filter

For System Use



Model 800 Ionized Magnesium
Hydrogen Water

For System Use



Model 803 Ion Alkaline
Water

SGS

We put AVAVA Models 700MX/701HX stick in a 500 ml plastic bottle of purified water daily and measure the hydrogen concentration using the hydrogen meter starting from day one. We recommend replacing it every 1.5 – 3 months or 100L per stick to obtain optimal result.

Model 800/803 which is used for the system, we recommend replacing it every 2-3 months or 300 L to obtain optimal result.



Model 700 - MX
Magnesium Mineralized Water (100L)
Model 800
Ionized Magnesium Water (300L)

One Stick
makes 50 to 100
500-Milliliters
Portable Bottles of
Hydrogen Water



Model 701 - HX
Hydrogen Water (100L)

READ BEFORE USE

Before use, please rinse off the excess ceramic powder out of the stick before putting it into purified water bottle.

Note:

- Use the stick in purified water and not in juice, tea, coffee, etc.
- Amount of Hydrogen produced varies with the temperature and quality of the water.
- When used it in bottled water for a long period, please remove the cap occasionally to release hydrogen.
- Even if there are no more visible bubbles, there are still micro hydrogen bubbles produced which are not visible. The estimated period of usage is 2-3 months.
- When finished, you may dispose of the ceramic balls from the stick capsule by putting it in the flowerpot or garden. It will decompose by micro-organism and become mineral nourishment.

INSTRUCTIONS FOR USING THE AVAVA FILTER CAPSULE

For Models 800 and 803

- Using the tools provided with the AVAVA water filter, gently loosen the water-tight housing.
- Replace the complete set of AVAVA Filter Capsules.
(Do not use a mixture of old and new capsules).
- Carefully tighten the water - tight housing to complete.
- * We recommend replacing the AVAVA FILTER STICK CAPSULES every 2 - 3months or 300L.

For Models 700-MX and 701-HX

- Insert the AVAVA STICK- CAPSULE into your Plastic or Aluminum purified water bottle and fill it up to 90%.
- Cap tightly and shake for 5 seconds. Allow water to stand in bottle for at least 15 minutes and enjoy!
(A single stick is sufficient for enriching 500ml of water in 15 Minutes.)
- After consumption, promptly refill water bottle leaving as little air as possible like in Step 1.
- * We recommend replacing the AVAVA STICK-CAPSULE every 1.5 - 3months or 100L per Stick Capsule.

