

# Water Treatment Result Comparison

CONTAMINATION (T.D.S.*)	LONG TERM DISEASES	PRE FILTER	CARBON	ULTRA VIOLET	OZON-ATION	BOILLING	HI-TECH REVERSE OSMOSIS
SODIUM	HEART DISEASES	No	No	No	No	No	Yes
CALCIUM	KIDNEY STONE	No	No	No	No	No	Yes
MAGNESIUM	KIDNEY STONE	No	No	No	No	No	Yes
LEAD	DAMAGE TO NERVOUS SYSTEM, KIDNEY'S REPRODUCTIVE SYSTEM	No	No	No	No	No	Yes
COPPER	GASTROINTESTINAL TRACT IRRITANT	No	No	No	No	No	Yes
MERCURY	KIDNEY IMPAIRMENT, POSSIBLE DEATH	No	No	No	No	No	Yes
NITRATE	POTENTIAL POISONING IN INFANT	No	No	No	No	No	Yes
BACTERIA	BACTERIA DISEASE	No	No	Yes	Yes	Yes	Yes
PYROGEN	FEVER	No	No	No	No	No	Yes
VIRUS	VIRAL DISEASES	No	No	No	No	No	Yes
FLORIDE	FLUOROSIS	No	No	No	No	No	Yes
ARSENIC	EFFECTS TO NERVOUS SYSTEM	No	No	No	No	No	Yes

REMARKS : [Yes] REMOVES [No] DOES NOT REMOVE \* TOTAL DISSOLVED SOLIDS



## Hi-Tech Sweet Water Technologies Pvt. Ltd.

An ISO 9001 - 2000 Certified & N.S.I.C. - C.S.P.O. Registered Company

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HT/Brchr/Dec'08/02

domestic



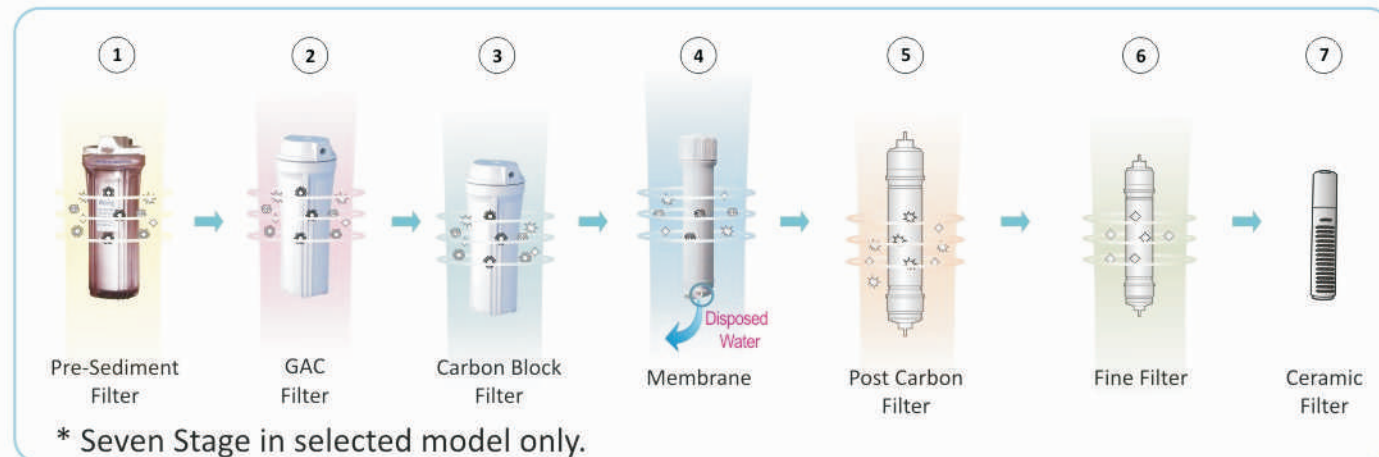
# A Wish for wellness...



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## Water Filtration Process

- Step 1** Pre filter 5 micron to remove suspended material such as sediments, insects, fibers, asbestos, large rust, dust & particles etc.
- Step 2** Granular Activated Carbon to Reduce Chlorine to prevent hydrolysis of TFC Membrane and absorbs volatile organic components from feed water.
- Step 3** Activated Carbon Block Filter to absorb complete chlorine, odor, color and organic chemicals from feed water.
- Step 4** TFC membrane with pores of 0.0001 mic. reduces water contaminants such as heavy metals and waterborne microorganisms such as viruses, bacteria etc.
- Step 5** Post Carbon Filter to remove bad taste and odor, improves water taste and enhances anti-bacterial function by silver granular activated carbon.
- Step 6** Minimises contaminant inside the tank by reducing fine dust flowed into storage tank passing through post-carbon filter.
- Step 7** Special Ceramic Filter for pH Control, Gives Mineral Supply, and make great taste of water.



## How does Reverse Osmosis Works ?

The R.O. process uses a semi-permeable TFC membrane to remove and reject TDS & microbiological contaminants up to 90 to 95% from water. Contaminants such as Iron, Lead, Nitrate, Magnesium, Copper, Sodium Bacteria, Viruses and much more can be eliminated using only water pressure.

- BACTERIA 0.4 MICRONS TO 1 MICRONS
- VIRUS 0.02 MICRONS TO 0.4 MICRONS
- R.O. MEMBRANE PORES 0.0001 MICRON



## Our Esteemed Customers



## Domestic R.O. Range

### RO COOLER (Hot & Cold)



[ 5 Stage RO System ]  
[Fully Automatic]

### CRYSTAL



[ 5 Stage RO System ]  
[Fully Automatic]

### LAGOON



[ 6 Stage RO System ]  
[Fully Automatic]

### COUNTER TOP



[ 5 Stage RO System ]  
[Fully Automatic]

### WATER EX



[ 7 Stage RO System ]  
[Fully Automatic]

### RO 40/50 OF



[ 5 Stage RO System ]

### RO 8



[ 4 Stage RO System ]  
[Manually Operated]

### RO 10/15 OF



[ 5 Stage RO System ]  
[Manually Operated]

### RO 10/15 AWT



[ 5 Stage RO System ]  
[Fully Automatic]

### RO 25 OF



[ 5 Stage RO System ]  
[Manually Operated]

### ULTIMATE



[ 5 Stage RO System ]  
[Manually Operated]

## Plant Description

MODEL	PRODUCTION LPH (GPD)	NO. OF PERSON SERVED	ELECTRICAL CONSUMPTION (220V 50 Hz) 24V TRANSFORMER	PRODUCT RECOVERY	T.D.S. REJECTION	SYSTEM DIMENSIONS (W X D X H) INCHES	TANK DIMENSIONS (Ø X H) INCHES (CMS.)	SHIPPING WEIGHT KG	SHIPPING DIMENSIONS INCHES 1 BOX
R.O. 8	8 (50)	8-10	24 WATT 1.0 A	33 %	90 % TO 95 %	19X13X8	—	9.8	20X14X9
R.O. 10	10 (64)	10-15	24 WATT 1.6 A			16X8.75X18	11.5 X 16 (29 X 40)	17	16X19X16
R.O. 15	15 (95)	15-25	24 WATT 1.9 A			16X8.75X18	30 LTR	18	16X19X16
COUNTER TOP	8 (50)	8-10	24 WATT 1.0 A			13.5X12.5X18	8 LTR	11	14X13X19
WATER EX	8 (50)	8-10	24 WATT 1.0 A			13.7X15.7X18.3	6.5 LTR	11	16X16X19
CRYSTALE	10 (64)	10	24 WATT 1.0 A			16.5X12X10.2	5 LTR	10.5	19X16X14
R.O. 25	25 (160)	25-30	24 WATT 1.5 A			16X8.75X18	30 LTR	13.4	16X19X16
R.O. 40	40 (254)	40-50	36 WATT 1.2 A			34X19X19.5	-----	34	35X21X13
LAGOON	8 (50)	8-10	24 WATT 1.0 A			11.9X13.8X15.4	6.5 LTR	9	12X14X15.8
ULTIMATE	8 (50)	8-10	24 WATT 1.0 A			15.8X7.1X20	-----	9	16X7.8X21
R.O. COOLER	12 (76)	12-15	AC240 WATT 60 Hz	-----	-----	32	14X14X48		