

**HERON**  
**pearl**



# HERON PEARL RO WATER PURIFIER

## SPECIFICATION

Brand	:	Heron
Model	:	Heron Pearl
Capacity	:	75 GPD
Filtration Stage	:	Six
Water Type	:	Normal
Dimension	:	50X20X40 CM
Reservw Capacity	:	10 Ltr.
Country of Technology	:	USA
Origin	:	China



## FILTRATION STAGES

### STAGE 1: 5 MICRON PP SEDIMENT FILTER - I

The Sediment filter cartridge is manufactured from pure 100% polypropylene fibers. The fibers have been carefully spun together to form a true gradient density from outer to inner surfaces. It is effective in removing dust, mud, rust and sand particles.

### STAGE 2: IN LINE SEDIMENT FILTER

Removes suspended solids, which are also known as sediment, turbidity, or particles. A sediment filter essentially functions like a net that catches unwanted particles as water flows through the system.

### STAGE 3: INLINE GAC FILTER

This granular activated carbon filter is composed of high-performance activated carbon that effectively reduces unwanted tastes, odor, organic contaminants, chlorine, pesticides and chemicals that contributed to taste and odor. It is designed to allow maximum contact between the water and carbon, ensuring maximum adsorption.

### STAGE 4: INLINE CTO FILTER

This block carbon filter is composed of high-performance Coconut Shell carbon using a patented process and made entirely from FDA-compliant materials that are highly effective at reducing 17 hazardous metals: such as lead, radon, mercury, insecticides, odor and chlorine: taste & odor, from potable drinking water. The unique structure of the carbon block enables it to reduce Giardia, Cryptosporidium, amoeba, and Toxoplasma cysts and fine sediment particles down to 0.5 microns. It is an ideal choice for a wide range of residential, food service, commercial and industrial applications.

### STAGE 5: RO MEMBRANE

Reverse Osmosis utilizes the unique properties of a semi-permeable membrane to allow fluid to pass while restricting the flow of dissolved ionic material. With pressure applied to impure water on the side of such membrane materials, pure water will pass through, leaving most of the impurities behind. The rejection of the dissolved ionic material is a function of both molecular weight and ionic charge. For example, we can expect a nominal 90% rejection of sodium chloride, which means that the product water passing through the membrane will have a concentration of salt approximately one-tenth that of the feed water. The rejection of calcium carbonate (hardness) will be near 95%, while most metallic salts will be rejected at a rate of approximately 98% to 99%.

### STAGE 6: TASTE & ODOR FILTER

This granular activated carbon filter is composed of high-performance activated carbon that effectively reduces unwanted tastes, odor, organic contaminants, chlorine, pesticides and chemicals that contributed to taste and odor. It is designed to allow maximum contact between the water and carbon, ensuring maximum adsorption. We are using NSF approved post carbon to guarantee the taste of water.