REVERSE OSMOSIS
DRINKING WATER SYSTEMS

ENJOY PURE AND HEALTHY WATER

DRINKING, COOKING, COFFEE & TEA, PETS & PLANTS, HOMES, OFFICES

5 - STAGE REVERSE OSMOSIS (RO) PROCESS

STAGE 1 — **5 micron sediment pre-filter,** used to extract suspended materials such as sediments, rust, insects, and other particles down to 5 micron.

STAGES 2 & 3 — **Double carbon filters** absorb heavy chlorine and chlorine byproducts such as chloramines, THM, and TCE. Surface area and contact time with the carbon are important factors in purifying water.
The carbon filters prepare water to enter the reverse osmosis element.

STAGE 4 — **High rejection (95-99%) Thin Film Composite (TFC) RO membrane** used to reject a wide spectrum of impurities including Total Dissolved solids (TDS), bacteria, and viruses down to 0.0001 micron. The product water is stored in the storage tank, while the reject water is automatically flushed down the drain. .

STAGE 5 — **In-line GAC filter** is used to remove dissolved gases, bad taste and odor from product water. This is the final polishing stage before consumption

Water Wizard
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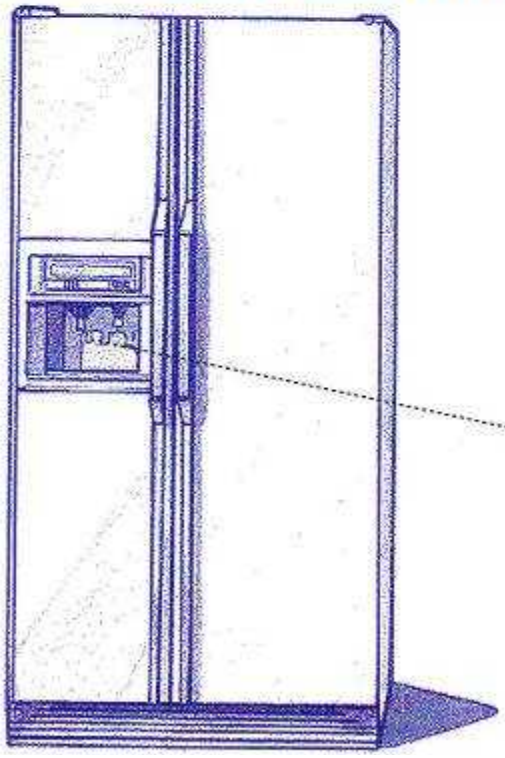
HOW DOES REVERSE OSMOSIS WORK?

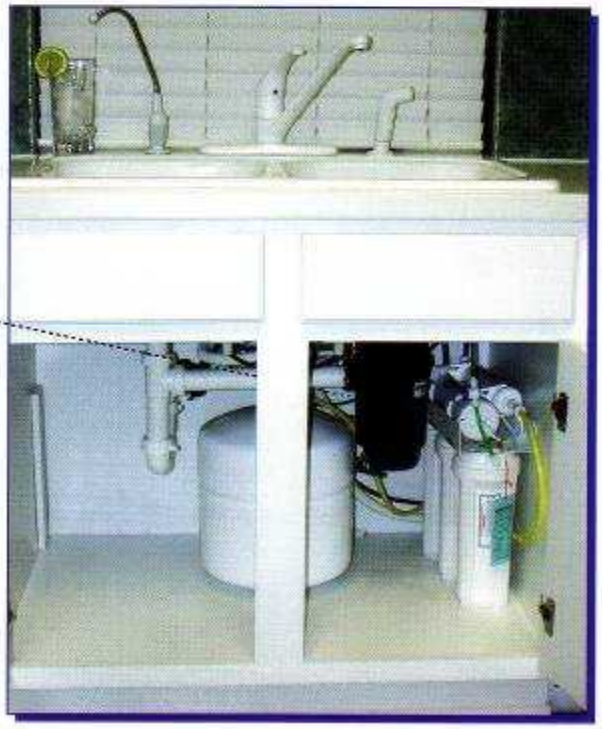
The RO process uses a semi-permeable TFC membrane to remove and reject up to 99% of impurities and contaminants from water. Contaminants such as iron, lead, nitrate, magnesium, copper, sodium, bacteria, viruses, and much more can be eliminated using only water pressure.

WATER WIZARD

PURE WATER MACHINE....

RELIABLE • DEPENDABLE • CONVENIENT • COMPACT





Can also be attached to your refrigerator's icemaker and water dispenser.