



Reverse Osmosis

The ultra high efficiency membrane with a true 1:1 ratio provides incredibly high efficiency while maintaining the best water quality! High contaminant rejection, long membrane life and the highest efficiency! All Impact Water Products' Filtration RO systems use the highest quality build components including John Guest original fittings, Pentek or Omnipure USA filtration housings and all of our units are designed and assembled in the USA with mostly USA made components. Impact Water Products is your source for higher quality water!

≈Reverse Osmosis Rejection Rates

Reverse osmosis membranes are a semi-permeable membrane that reject the majority of dissolved solids and contaminants. Use the chart below to determine the estimated rejection rates for some common impurities.

RO Specifications	RG550
Membrane Production	50 GPD
Membrane Reduction	>95%
Tank Volume	4 gal
Tank Dimension	11"x16"
PH Range	3-11
Operating Pressure	80 PSI max
Operating water temp range	40-90°F
Stages	5
Drain ratio	1:1

Aluminum 93-98%	Copper 94-99%	Potassium 90-95%
Amoebic >99%	Cyanide 90-95%	Protozoa >99%
Arsenic (3+) 70-80%	Cysts >99%	Pyrogen >99%
Arsenic (5+) 94-99%	Ferrocyanide >99%	Radioactivity 93-98%
Asbestos >99%	Fluoride 90-97%	Radium 90-97%
Bacteria >99%	Giardia >99%	Selenium 93-98%
Barium 93-98%	Hardness 95-98%	Silica 50-90%
Bicarbonate 90-95%	Iron 93-98%	Silicate 80-97%
Borate 40-70%	Lead 94-99%	Silver 93-98%
Boron 55-60%	Magnesium 93-98%	Sodium 90-95%
Bromide 90-96%	Manganese 93-98%	Strontium 93-98%
Cadmium 93-98%	Mercury 93-98%	Sulfate 93-98%
Calcium 93-98%	Nickel 93-98%	Sulfite 95-98%
Chloride 90-95%	Nitrate 75-90%	TDS 90-99%
Chromate 90-95%	Orthophosphate 95-99%	Thiosulfate >99%
Chromium (III) 94-99%	PFOS/PFAS/PFOA >95%	Virus >99%
Chromium (VI) 94-99%	Polyphosphate 98-99%	Zinc 93-98%



made
in USA

Made in USA
of U.S. and
imported parts



Alkaline Reverse Osmosis

Our unique Alkaline blend includes multiple medias including Far-Infrared Ceramic, Tourmaline Ceramic, Magnesium Ceramic, Alkaline Ceramic, Calcium Carbonate, Magnesium Oxide and ORP Ceramic. Ceramic medias introduce trace elements including calcium, magnesium, sodium, potassium, zinc, silica, strontium, selenium and lithium into the water while increasing pH and reducing ORP.

RO Specifications	RG4K50
Membrane Production	50 GPD
Membrane Reduction	>95%
Tank Volume	4 gal
Tank Dimension	11"x16"
PH Range	3-11
Operating Pressure	80 PSI max
Operating water temp range	40-90°F
Stages	4
Drain ratio	1:1

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Arsenic (5+) 94-99%	Ferrocyanide >99%	Radioactivity 93-98%
Asbestos >99%	Fluoride 90-97%	Radium 90-97%
Bacteria >99%	Giardia >99%	Selenium 93-98%
Barium 93-98%	Hardness 95-98%	Silica 50-90%
Bicarbonate 90-95%	Iron 93-98%	Silicate 80-97%
Borate 40-70%	Lead 94-99%	Silver 93-98%
Boron 55-60%	Magnesium 93-98%	Sodium 90-95%
Bromide 90-96%	Manganese 93-98%	Strontium 93-98%
Cadmium 93-98%	Mercury 93-98%	Sulfate 93-98%
Calcium 93-98%	Nickel 93-98%	Sulfite 95-98%
Chloride 90-95%	Nitrate 75-90%	TDS 90-99%
Chromate 90-95%	Orthophosphate 95-99%	Thiosulfate >99%
Chromium (III) 94-99%	PFOS/PFAS/PFOA >95%	Virus >99%
Chromium (VI) 94-99%	Polyphosphate 98-99%	Zinc 93-98%

(pH) Pondus Hydrogenii	Examples of Solutions and their Approximate Respective pH
14	Caustic Soda, Drain Cleaner
13	Oven Cleaner, Bleaches
12	Soapy Water
11	Ammonia
10	Milk of Magnesia
9	Toothpaste
8	Baking Soda, Seawater,
7	"Pure" Water
6	Urine, Milk
5	Acid Rain, Black Coffee
4	Tomato Juice
3	Orange Juice, Soft Drink
2	Lemon Juice, Vinegar
1	Hydrochloric Acid
0	Battery Acid

