

PureWaterMachine™

by VERTEX



With optional floor stand

STAGE ONE

Sediment pre-filter, 5-micron polyspun cartridge,
2 1/2" dia. x 20" long

STAGE TWO

Carbon block pre-filter, 5-micron, 2 1/2" dia. x 20" long

STAGE THREE

Carbon block pre-filter, 5-micron, 2 1/2" dia. x 20" long

BOOSTER PUMP

Diaphragm pump with pressure by-pass powered by
24/36 volt DC motor. Transformer supplied for 110 power.

STAGE FOUR

Reverse Osmosis Membranes:

For 150 GPD, 2 encapsulated 75 GPD membranes

For 250 GPD, 3 replaceable 100 GPD membranes

For 350 GPD, 4 replaceable 100 GPD membranes

STAGE FIVE

In-line post filter, 10-micron granular activated carbon,
2 1/2" dia., 14" long

TANK

14 gal. steel tank with butyl bladder, 9 gal. water capacity.
3/8" tank ball valve included.

Restaurant PureWaterMachine for Drinking Water and Ice Supply

5-Stage Reverse Osmosis Filtration makes clean, great tasting, odor-free water from 150-GPD to 350-GPD.

Up to four high capacity RO membranes are used in series to provide the required water rate. It is supplied with a 14-gallon pressurized tank which holds 9-gallons of water. Two tanks may be used to increase the reserve to 18-gallons. The RO technology removes an average of 95% of the TDS. To further decrease the TDS, a de-ionizer cartridge can be installed as a post-filter option. The five stages are described in the table below.

A booster pump is provided with the system to produce water pressure of 85 psi to the membranes. To reduce wear on the pump, it is installed after the 3 pre-filters. A pressure switch in the line to the tank will turn on the pump when the tank pressure is 25 psi, and off at 40 psi. and is also adjustable. A pressure guage of 0-160 psi indicates pressure to the inlet of the membrane and the overall duty cycle of the pump is 50%.

The unit can be wall mounted or floor-standing with an optional stand. The stand is made of powder coated steel and bolts to the underside of the bracket.

ORDERING INFORMATION

	Model
150 GPD clean water rate	PWM-150
250 GPD clean water rate	PWM-250
350 GPD clean water rate	PWM-350
UV sterilizer option	add /UV
Optional de-ionizing stage	add /DI
Optional Floor Stand	add /FS

Specifications: Shipping Weight: 65 lb. Dimension: 13.5"W x 7"D x 32"H (39" tall with floor stand), Tank: 15.75" Dia. x 22.5" H

Conditions of Use: Water must be microbiologically safe; System pressure 20 min to 100 max psi; Temperature, 40 to 100° F; PH Range, 3 to 11; Turbidity - less than 1.0 NTU; TDS 1500 PPM max

Authorized Dealer



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