



# REVERSE OSMOSIS SYSTEMS

## *Commercial* BARRACUDA 500 GPD

### FEATURES:

- Membrane:** One 2.5" x 21" TFC HF3 Membrane/ For maximum Rejection of impurities and high flow.
- Membrane Housing:** Two 2.5" x 21" Champ™ Membrane Housing Features a patented design which requires no tools for service.
- Pump:** One 401 Fluid-o-Tech® 2.3 GPM Brass Rotary Vane Pump - Direct couple to the motor and is designed for continuous high pressures.
- Motor:** One 1/3 HP Motor 110 or 220 Volt 50 or 60 Hertz
- Frame:** One aluminum white powder coated - Corrosion resistant and lightweight. Optional floor standing frame.
- Sediment Filter:** One Allied 4.5" x 10" 5 micron polypropylene filter- Removes sediments and protects the system.
- Carbon Block:** One Allied 4.5" x 20" Slim Line 10 micron carbon block- Removes chlorine and odor.
- Filter Housing:** Two 4.5" x 10" Grey Double O-Ring Filter Housings - Offers durability and improved sealing capabilities
- Pressure Gauges:** One 2.5" 0-300 PSI Panel mount glycerin filled gauge and two 1.5" 0-160 top mount dry gauges- For monitoring the system's operating pressure and the filter & carbon operating pressure.
- Low Pressure Switch:** One McCanns® Low Pressure Switch- Safety device to protect the pump from running dry when there is sufficient feed water pressure.
- Solenoid Valve:** One solenoid valve with manual override 110 or 220 Volt 50 or 60 Hertz- Assists with the on/off functionality of the system
- Manual Flush Valve:** One 1/4", brass needle valve - Regulates the Product to waste ratio (system's recovery).
- Switch:** One manual on/off switch
- Easy Maintenance/Operation:** Allied R/O Systems feature a compact Design and have all components strategically located for easy access and inspection.



### SYSTEM SPECIFICATIONS

<b>Model :</b>	<b>BARRACUDA 500 GPD</b> ( Commercial System)
Gallons Per Day :	500 @ 77° F
Weight :	65 lbs.
Auto flush:	N/A
Elements ( Qty.)	2
Voltage:	110 or 220
Feed Connection:	3/4 "
Waste Connection:	3/8"
Dimensions :	14" x 20"x 27"
ALLIED Item#	

### SYSTEM OPERATING SPECIFICATIONS

Minimum Feed Pressure	35 psi
Minimum NaCl% Rejection	96%
Minimum Feed (GPM)	1.5
Maximum Hardness	15 Grains/Gallon
Maximum TDS	2000 ppm
Operating Pressure	150 psi
Nominal NaCl % Rejection	1
Maximum Feed (GPM)	3
pH Range	3 - 11
Maximum Temperature	105° F



Typical Allied R/O System Installation