

LIMITATIONS, DESCRIPTION & MAINTENANCE OF THIS SYSTEM

WRU RO BBONES

LIMITATIONS-OUTPUT OF PURE WATER. THE THIN FILM COMPOSITE MEMBRANE IN THIS SYSTEM IS RATED BY GALLONS PER DAY OF PRODUCTION IT CAN ACHIVE. THIS RATING WAS DETERMINED AT A WATER INLET PSI OF 65, A WATER TEMPERATURE OF 77 DEGREES FAHRENHEIT AND A WATER TDS LEVEL OF 500 MG/L NaCl SOLUTION. IF INLET PRESSURE IS BELOW 65, THERE IS A PROPORTIONATE DECREASE IN PURE WATER PRODUCTION. IF THE WATER IS BELOW 77 DEGREES FAHRENHEIT, PRODUCTION WILL BE LESS, IF MORE THAN 500 TDS IS PRESENT IN THE SOURCE WATER, PRODUCTION MAY BE SLIGHTLY AFFECTED. SYSTEM OUTPUT WILL INCREASE AFTER CARTRIDGES AND MEMBRANE BECOMES SATURATED (WITHIN ONE WEEK).

DESCRIPTION OF SYSTEM FUNCTIONS

- 1). THE SOURCE WATER FLOWS TO THE GRANULAR ACTIVATED CARBON INLINE FLITER THROUGH THE YELLOW TUBE. (P/N IWF GAC INLINE FPT W/AMC 0404 QUICK CONNECT ADAPTERS).
- 2). THE **GAC INCLINE FILTER** ACTS AS A 20-MICRON **SEDIMENT FILTER** AND ALSO AS A **CHOLRINE REMOVER**.
- 3). **AFTER 300 GALLONS** OF PURE PRODUCT WATER HAS BEEN PRODUCED BY THE MEMBRANE, THE **GAC INCLINE FILTER** SHOULD BE **REPLACED**.
- 4). WATER EXITS THE GAC INCLINE PREFILTER AND ENTERS THE **MEMBRANE HOUSING** WHICH CONTAINS A 24 GALLON PER DAY **THIN FILM COMPOSITE MEMBRANE** THAT HAS **PORE SIZES** NO GREATER THAN **.001**.

5). PURE WATER EXITS THE MEMBRANE HOUSING THROUGH THE **BLUE TUBE** AND **REJECTED TDS WATER EXITS** THROUGH A FLOW RESTRICTOR IN THE **RED WASTE DRAIN TUBE**. THE MEMBRANE HAS **REMOVED** TOTAL DISSOLVED SOLIDS (**TDS**), PESTICIDES, VIRUSES, HERBICIDES, HEAVY METALS, CYSTS, CALCIUM, ARSENIC, ECT...

MAINTENANCE OF THIS SYSTEM

1). CHANGING THE GAC INLINE – REMOVE THE YELLOW TUBE FROM THE INLINE FILTER. THE FITTING HOLDING THIS TUBE IS A MALE PIPE THREAD WITH ACETAL QUICK CONNECT ADAPTERS. PUSH THE CIRCLE SURROUNDING THE YELLOW TUBE , REMOVE ACETAL QUICK CONNECT FITTING FROM THE OLD GAC INLINE. RE-TELFON TAPE TO MPT (male pipe thread) AND THREAD ONTO NEW GAC INLINE. INSERT TUBE ENDS INTO NEW INLINE FILTER.

2). FLUSHING THE MEMBRANE. WHEN IT IS TIME TO FLUSH THE MEMBRANE, TURN THE RED HANDLE SO IT IS IN LINE WITH THE RED TUBE AS OPPOSED TO THE RESTRICTION MODE, WHICH IS ACROSS THE RED TUBE. TURN ON THE SYSTEM FOR 10 MINUTES. WITHOUT THE FLOW RESTRICTOR IN PLACE, WATER WILL FLOW QUICKLY OVER THE SURFACE OF THE MEMBRANE AND WASH AWAY ANY BUILT UP PRECIPITATED MATERIAL THAT HAS COLLECTED ON THE SURFACE OF THE MEMBRANE. AFTER 10 MINUTES TURN RED KNOB BACK TO ITS ORIGINAL POSITION AS A FLOW RESTRICTOR.

3). REPLACE THE MEMBRANE. EVERY YEAR, CHECK THE WATER EXITING FROM THE BLUE TUBE AND READ IT TDS CONTENT. IF TDS EXCEEDS 40 PPM, THE MEMBRANE SHOULD BE REPLACED. TURN OFF SYSTEM. REMOVE YELLOW TUBE FROM THE ACETAL QUICK CONNECT FITTING (PUSH DOWN ON QUICK CONNECT AND PULL TUBING OUT). UNSCREW MEMBRANE HOUSING CAP, BE CAREFUL NOT TO LOSE THE O-RING. WITH PLIERS, GRIP THE PLASTIC ROUND END OF THE MEMBRANE, PULL HARD

TO BREAK SEAL. TAKE NEW MEMBRANE AND SPREAD VASELINE ON END TUBE O-RINGS. ALSO, PUT VASELINE ON MEMBRANE HOUSING CAP O-RING. PUSH NEW MEMBRANE INTO HOUSING (2 O-RING TUBE FIRST). WITH THE PALM OF YOUR HAND. YOU WILL FEEL THE TWO O-RINGS HIT THE POST CAVITY AT THE OTHER END OF THE HOUSING. PUSH WITH A LITTLE EXTRA PRESSURE AT THAT POINT TO FEEL THE O-RINGS SLIDE INTO THE POST CAVITY. SCREW ON CAP WITH O-RING AND REATTACH YELLOW TUBE INTO QUICK CONNECT FITTING.

LIMITED WARRANTY

THE SYSTEM HAS A ONE YEAR LIMITED WARRANTY THAT INCLUDES BOTH MATERIAL AND WORKMANSHIP. (REPLACEABLES SUCH AS CARTRIDGES, ELEMENTS AND MEMBRANES ARE NOT COVERED UNDER MATERIALS AND WORKMANSHIP).