



PRE-TREATMENT TANKS INSTALLATION GUIDELINES

1. BOOSTER PUMP

CONNECT PVC PLUMBING TO THE BACK FLOW PREVENTER UTILIZING A 1" SCH. 80 UNION WITH A CUT 1" NIPPLE INSTALLED.

USING 1" PVC ELBOWS BRING THE PLUMBING BACK AROUND SO THE FLOW GOES FROM LEFT TO RIGHT. KEEP THE BOOSTER PUMP BYPASS AT LEAST 2 FEET OFF THE FLOOR, ADJUST YOUR PLUMBING AS REQUIRED. THE BOOSTER PUMP FEEDS FROM THE FRONT AND OUT OF THE TOP FOR THE GOULDS (1ST) MODELS, ANY OTHER GOULDS PUMP (UPRIGHT), THE PUMP FEEDS FROM THE DIRECTION OF FLOW ETCHED ON THE PUMP TUBE BASE. WHEN YOU BRING YOUR PLUMBING AWAY FROM THE WALL IT'S A GOOD IDEA TO COME STRAIGHT OFF THE UNION TO AN ELBOW AND DOWN AND BACK TO THE BYPASS . REF DRAWING A.(FOLLOW THE FLOW DIAGRAM). KEEP YOUR PLUMBING A MINIMUM OF 1 5/8 IN FROM THE WALL TO ALLOW FOR THE STRUT PIECES.

2. SEDIMENT FILTER

IF YOU ARE USING A SEDIMENT FILTER ASSY. (10& 5 MIC.) YOU MUST FIRST ENSURE YOUR DIRECTION OF FLOW IS CORRECT THROUGH YOUR FILTER HEADS. THEN YOU MUST PLACE YOUR FILTERS IN SUCH A WAY AS TO BE A MINIMUM OF 2 FEET OFF THE FLOOR AT THE BOTTOM OF THE FILTER HOUSINGS. LEVEL AS NEEDED. INSTALL THE GAGES AND SAMPLE PORTS, USE CARE, DO NOT THREAD IN THE GAGES OR THE SAMPLE PORTS MORE THAN HALF WAY. REMEMBER YOU CAN ALWAYS RETHREAD YOUR TAPE, IT'S A LOT HARDER TO REPLACE A CRACKED FITTING.

IF YOU ARE INSTALLING A SEDIMENT TANK. YOU MUST PLACE YOUR TANK AS NEEDED PRIOR TO THE WATER SOFTENER, A MINIMUM OF AT LEAST 8 " IN BETWEEN THE TWO TANKS. RUN YOUR PVC FROM THE BOOSTER PUMP BYPASS UP TO THE FITTING ON THE SEDIMENT FILTER BYPASS, ON THE LEFT SIDE OF THE TANK.REF. DRAWING B.ENSURE YOU USE AT LEAST ONE CLAMP ON THIS STRETCH OF PIPE AS IT MAY BE AT LEAST 4 TO 5 FEET IN LENGTH.

3. WATER SOFTENER

WHEN INSTALLING A LARGE WATER SOFTENER YOU MUST FIRST INSTALL THE HEAD PRIOR TO FILLING IT, TIGHTEN IT DOWN AS TIGHT AS IT WILL GO THEN YOU MUST PLACE THE TANK IN ITS POSITION IT WILL OCCUPY,(PERMANENTLY) UNSCREW THE HEAD, TAKING CARE TO MARK IT AS CLOSE TO ITS SEPERATION POINT FROM THE TANK ITSELF. FILL THE TANK, P -ROCK FIRST, RESIN SECOND, MAKE SURE YOU HAVE TAPE OVER THE DISTRIBUTION TUBE. ONCE FILLED REINSTALL THE HEAD USING YOUR PREVIOUS MARKS, TIGHTEN THE HEAD DOWN AS FAR AS HUMANLY POSSIBLE. IF ITS STILL A LITTLE OFF YOU MAY BE ABLE TO TURN THE TANK BY CRABBING IT BACK AND FORTH TIL IT STRAIGHTENS OUT. DO NOT ATTEMPT TO KEEP IT WITHIN 1 5/8" FROM THE WALL. YOU CAN ADJUST YOUR PLUMBING AFTER ITS IN PLACE.



4. CARBON TANKS

IF INSTALLING AUTOMATIC CARBON TANKS YOU MUST ALSO INSTALL A CHLORINATED WATER BYPASS. THIS IS A BYPASS INSTALLED FROM IN FRONT OF THE #1 TANK TO THE FEED OF THE #2 TANK, THIS IS A BYPASS SO DO NOT RUN IT SOLELY THROUGH THIS SETUP. REF. DRAWING C. REFER TO THE FLOW DIAGRAM. ALLOW AT LEAST 6" BETWEEN YOUR TANKS TO ALLOW ACCESS FOR SEISMIC RESTRAINTS.

WHEN INSTALLING IN AND OUT CARBON TANKS FIRST YOU MUST ASSESS WHICH COMPANY YOU ARE INSTALLING FOR. TRC REQUIRES AN H- ASSY. WHICH CORRELATES INTO AN A&A/ B&B CONFIGURATION. ANY VARIATION THERE OF YOU NEED TO DETERMINE BEFORE YOU INSTALL. I.E. A&B, AB/AB ETC. EACH OF THESE REQUIRES TWO SEPARATE INPUTS AND TWO SEPARATE OUTPUTS FOR THE MOST PART YOU DO NOT NEED TO HAVE A JUMPER OF BALL VALVES. REF. DRAWING D. YOU MUST WASH THE CARBON TANKS TO DRAIN FIRST. DO NOT RUN THEM TO THE 1 MICRON WHEN FIRST HOOKED UP. ALLOW AT LEAST 5" BETWEEN TANKS FOR SEISMIC.

5. PRE FILTER

WHEN INSTALLING THE PRE FILTER FIRST ENSURE YOU'VE COMPLETELY FINISHED THE ITEMS ABOVE. PLACE THE PREFILTER AFTER THE LAST CARBON TANK. THERE MUST BE A SAMPLE PORT PRIOR TO THE PRE FILTER AND AFTER THE LAST CARBON TANK. REF. DRAWING E.

RUN THE LINE AFTER THE PREFILTER DOWN TOWARDS THE FLOOR NEXT TO THE MACHINE. LEAVE IT 2 FEET OFF THE FLOOR. PUT EITHER A 1" SXTH COUPLING OR A 1" SXTH ELBOW. HOSE OVER TO THE R.O.

TRC ONLY: IF THERE IS NOT A STORAGE TANK THEN YOU MUST USE THE ONE INCH REGULATOR. IF THERE IS THEN DO NOT USE ONE IT'LL DROP THE WATER INTO THE TANK THERE WON'T BE ANY BACK PRESSURE ON THE R.O. SO ITS NOT NEEDED.