

TURBOVORTEX MANUAL



FILTRATION INNOVATIONS
THROUGH ADVANCED TECHNOLOGY

TURBOVORTEX ASSEMBLY INSTRUCTIONS

BELOW IS THE EXPLODED VIEW OF THE PLUMBING LAYOUT
FOR THE TURBOVORTEX

PLEASE NOTICE THAT THE COMPONENTS MARKED WITH AN "X" ARE NOT INCLUDED IN THE KIT AND
ARE AVAILABLE AT MOST ANY HARDWARE TYPE STORE.

IN ADDITION TO THE ITEMS WE INCLUDE, THE ITEMS THAT YOU MAY NEED INCLUDE THE
FOLLOWING: 1 10 FT. PIECE OF SCH. 40 PVC PIPE/ 9 SWEEP 90 ELBOWS/ 1 2" PVC T/ PVC GLUE/
POSSIBLY OTHER FITTINGS THAT MAY BE SITE SPECIFIC.



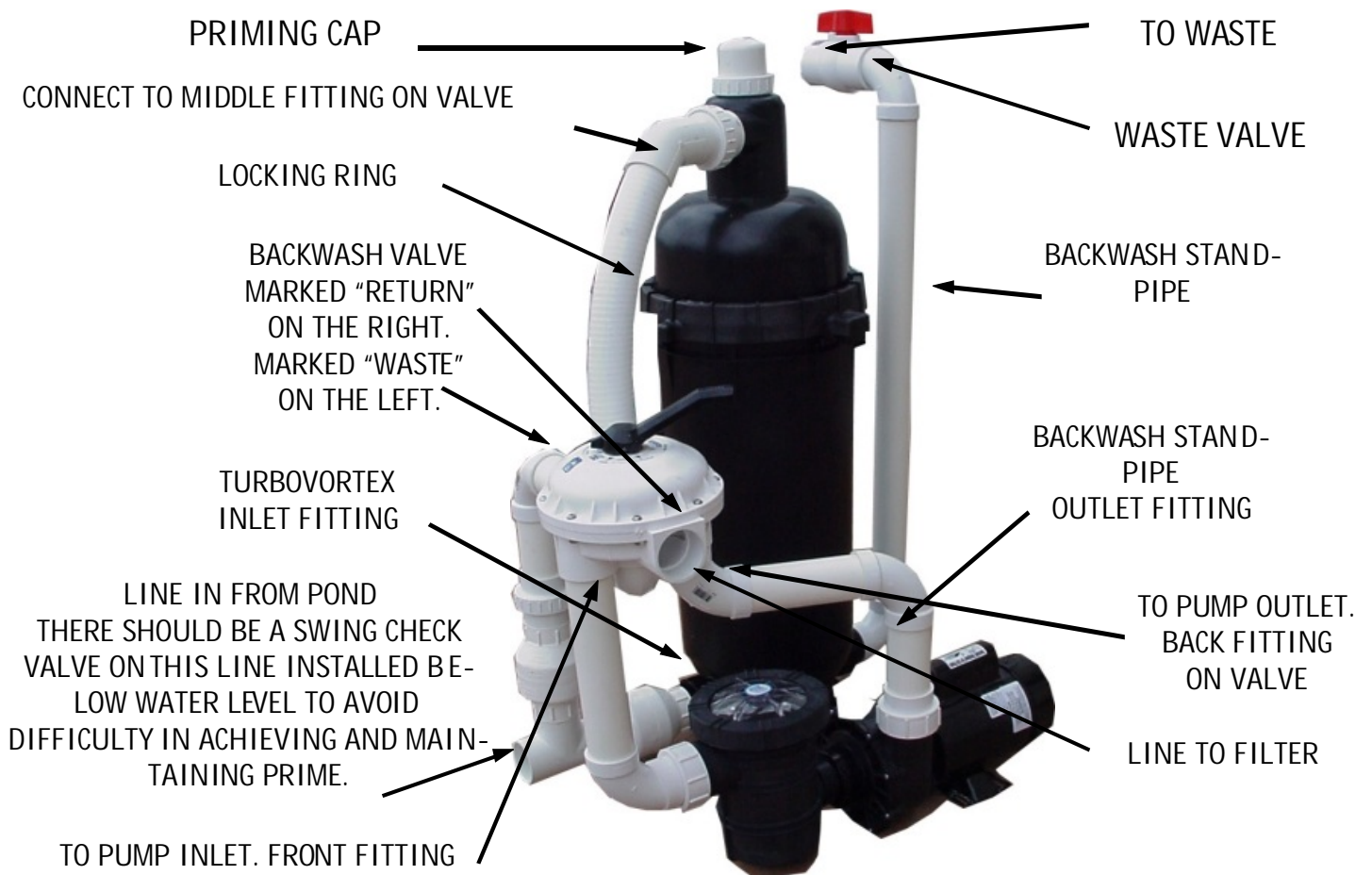
IT IS RECOMMENDED THAT THE BACKWASH VALVE BE INSTALLED OR PLUMBED TO THE PUMP FIRST.
PLEASE SEE COVER PICTURE TO SEE WHAT YOUR UNIT SHOULD LOOK LIKE WHEN IT IS PLUMBED.

PLEASE LOOK THROUGH ALL OF MANUAL BEFORE STARTING YOUR PROJECT.

IF YOU HAVE ANY ASSEMBLY QUESTIONS AFTER READING AND STUDYING THE MANUAL CONTACT
YOUR DEALER OR CALL (405)-843-9060 AND ASK FOR TECHNICAL HELP. DO THIS BEFORE YOU
BEGIN YOUR INSTALLATION TO AVOID ANY MISTAKES.

TURBOVORTEX

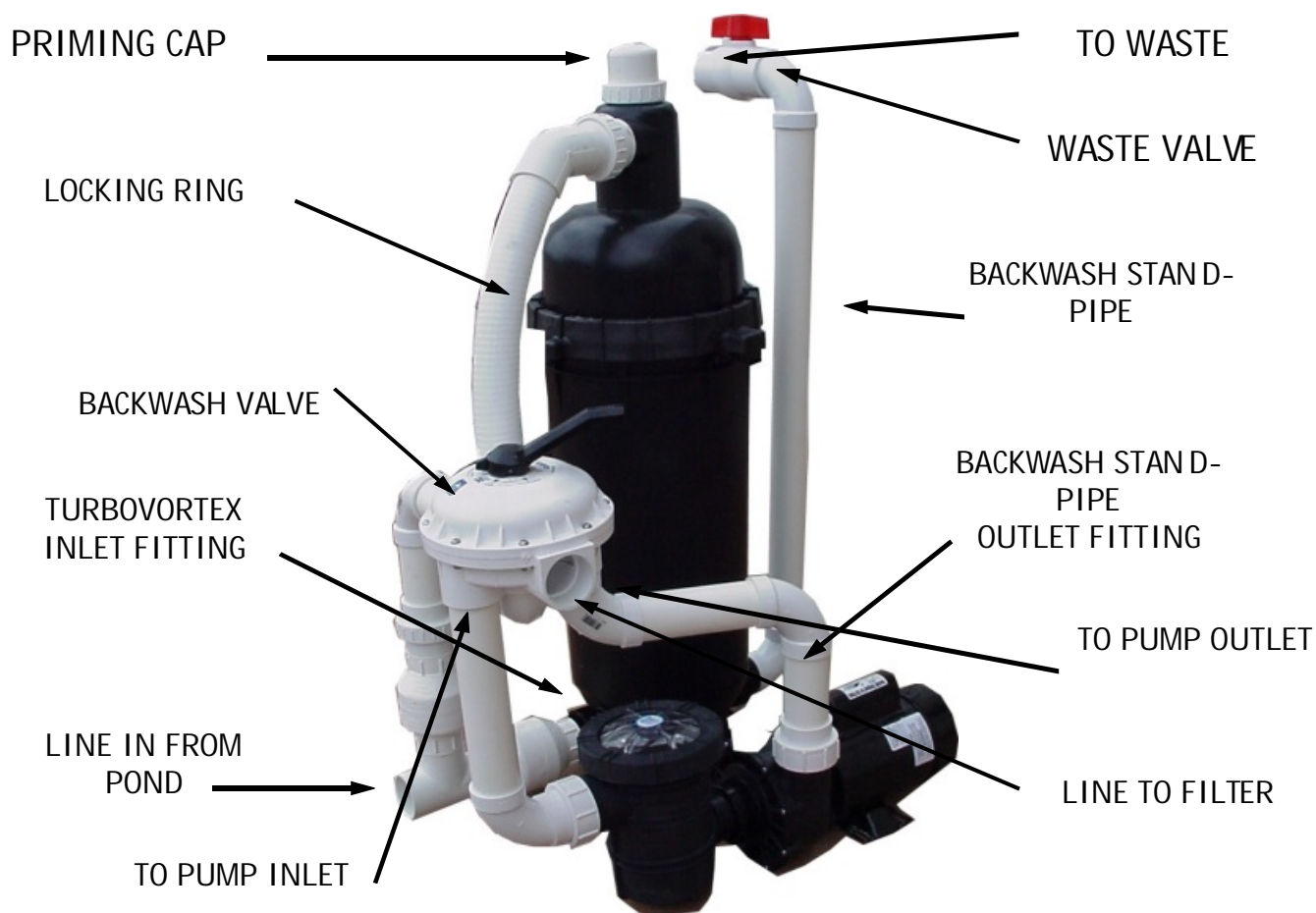
INSTALLATION INSTRUCTIONS



Take a few minutes to study the picture above and your installation will be easy to accomplish. (1) Plumb the line to the PUMP INLET and PUMP OUTLET as shown. (2) Assemble the BACKWASH VALVE SWING CHECK ASSEMBLY and attach to the TURBOBODY. (3) Allow the TURBO DOME to rest on the top of the TURBO BODY. No need to tighten down yet. (4) Hook up the LINE FROM THE POND. Make sure that you have a swing check valve on this line if your TURBOVORTEX is setting above water level. Install the check valve below water level. It does not have to be below water, just below water level. (5) Assemble and hand tighten the BACKWASH STANDPIPE ASSEMBLY to the back of the TURBOVORTEX. Then run the waste line from the WASTE VALVE to a suitable place to discard your waste water. (6) Connect the line to your filter. (7) Remove the DOME and fill the TURBO BODY 1/2 full of water. (8) Empty 1 bag of BAFFLE BALLS into the BODY. DO NOT use both bags at once in the TURBO or it will not function properly. Save the other bag until the first set is grunged over with debris that is not removed with normal backwashing. When it is time to change out the first set, simply remove them (you may put them in the washer and they will come out clean and you can save them until the next time you need them) then place the 2nd set in the TURBO and you're ready to go with no down time. (9) Tighten the dome into place. (11) Prime the TURBO by filling your pump strainer basket, then remove the TURBO PRIMING CAP and fill the unit to the top with water. Close the priming cap and you're ready to go. (11) Refer to the BACKWASH PAGE for backwashing instructions. If you have any questions regarding the operation of your new TURBOVORTEX feel free to give us a call at 405-843-9060. We're here to help.

TURBOVORTEX

BACKWASH INSTRUCTIONS



BACKWASHING INSTRUCTIONS

1. **TURN OFF THE PUMP.**
2. **OPEN WASTE VALVE**
3. **POSITION BACKWASH VALVE TO "BACKWASH", RESTART PUMP AND ALLOW TO RUN FOR ABOUT 1 MIN. UNTIL WATER IS CLEAR IN BACKWASH.**
4. **TURN PUMP OFF, REVERSE VALVES TO ORIGINAL POSITION AND RESTART PUMP OR MOVE ON TO BACK WASHING OF FILTER. THAT'S IT, YOU'RE DONE.**

MAINTENANCE

1. **SEMI-ANNUALLY WE RECOMMEND THAT YOU OPEN THE TURBO BY DRAINING THE WATER OUT OF THE DRAIN LOCATED AT THE BOTTOM OF THE UNIT. REMOVE THE DOME AND INSPECT THE BAFFLE BALLS. IF THE BAFFLE BALLS ARE CLEAN, THEN REFILL THE UNIT HALF WAY WITH WATER, REASSEMBLE AND REPRIME. IF NOT, REMOVE OLD BAFFLE BALLS, FILL UNIT HALF WAY WITH WATER. REPLACE WITH THE EXTRA BAG OF BAFFLE BALLS YOU RECEIVED WHEN YOU PURCHASED YOUR UNIT. REPLACE THE DOME AND REPRIME.**

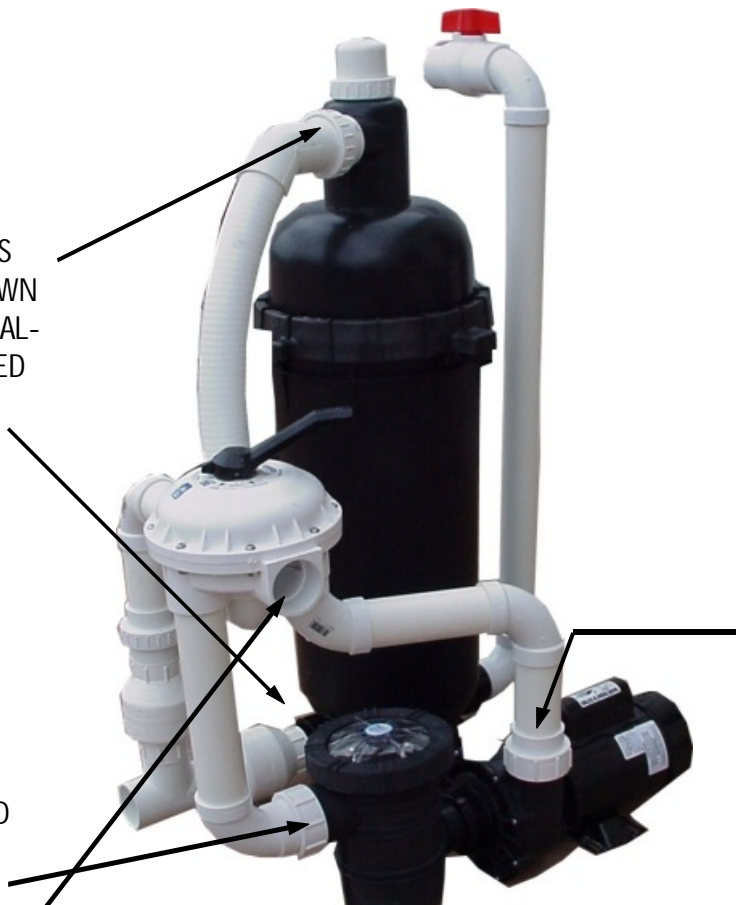
FLUIDART TECHNOLOGIES

TURBOVORTEX

WINTERIZING INSTRUCTIONS

IN ADDITION TO THE UNIONS SHOWN BELOW, THE ONES SHOWN HERE SHOWN BE LOOSENED TO ALLOW PLUMBING TO BE DRAINED FOR WINTERIZATION

QUICK DISCONNECT UNIONS ARE RECOMMENDED TO BE ADDED TO THESE LOCATIONS FOR EASY WINTER REMOVAL.



WINTERIZING INSTRUCTIONS

1. DRAIN THE TURBO BODY BY OPENING THE DRAIN PLUG LOCATED ON THE SIDE OF UNIT AT THE BOTTOM.
2. LOOSEN THE UNIONS AND REMOVE ENTIRE PLUMBING ASSEMBLY FOR TOTAL REMOVAL OF WATER.
3. TURN ASSEMBLY UPSIDE DOWN TO MAKE SURE ALL REMAINING WATER HAS BEEN REMOVED.
4. AFTER DRAINING ALL WATER FROM PIPES, YOU MAY REINSTALL DRY PIPING FOR THE WINTER.
5. DON'T FORGET TO DRAIN WATER FROM OTHER UNITS SUCH AS FILTER, PUMP AND UV.
6. THAT'S IT, YOU'RE READY UNTIL SPRING.

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