

FLUIDART TECHNOLOGIES

FLUIDBEAD

FILTER



**FILTRATION INNOVATIONS
THROUGH
ADVANCED TECHNOLOGY**

FLUIDBEAD

FEATURES

FLOWS OF 30-80 GAL. PER MIN.

QUALITY STAINLESS STEEL CONSTRUCTION

TRUE HYDRAULIC BACKWASH

PRESSURIZED SYSTEM CAN BE LOCATED AWAY FROM POND OUT OF SIGHT

500-550 SQ. FT. PER CU. FT. MEDIA

10 YEAR PRO RATED WARRANTY

UNIQUE PATENTED FLUIDIZED BED AND BEAD FILTER COMBINATION

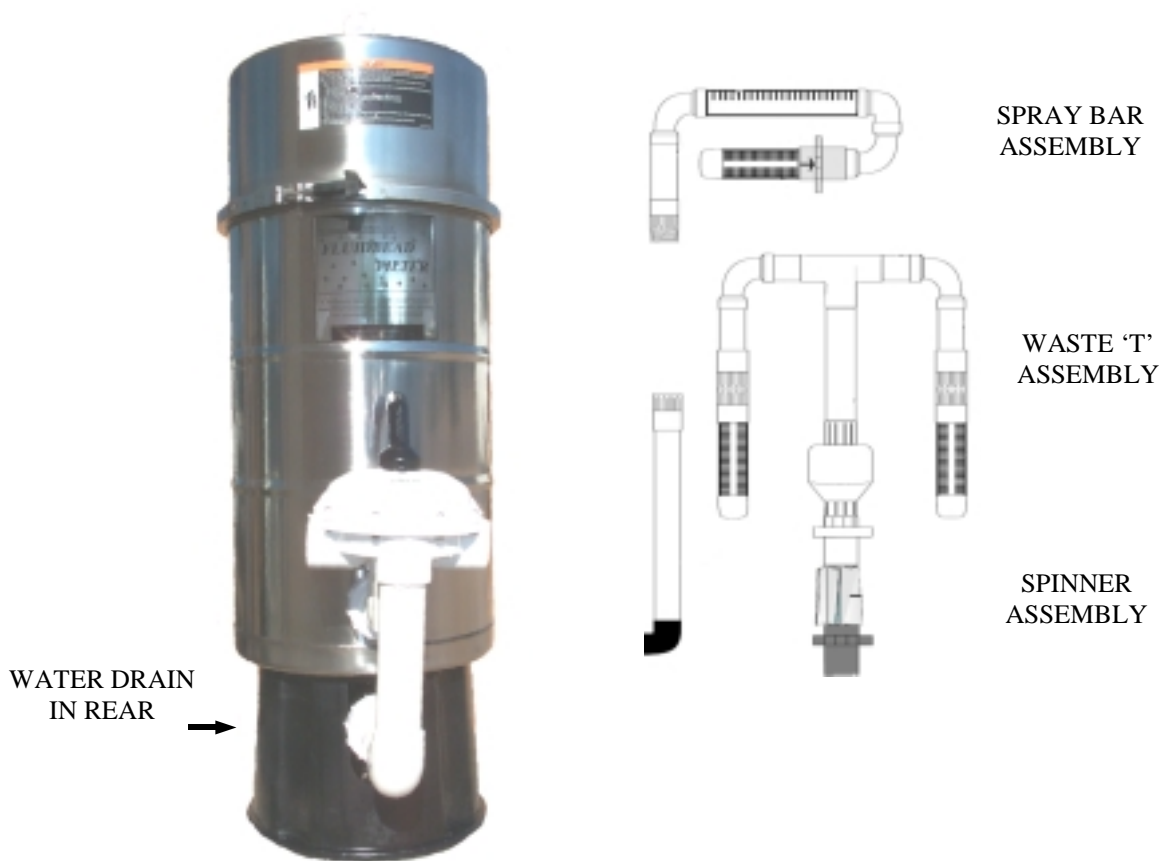
FOR PONDS UP TO 10,000 GAL.

TESTED AND PROVEN IN UNIVERSITY AQUACULTURE STUDIES

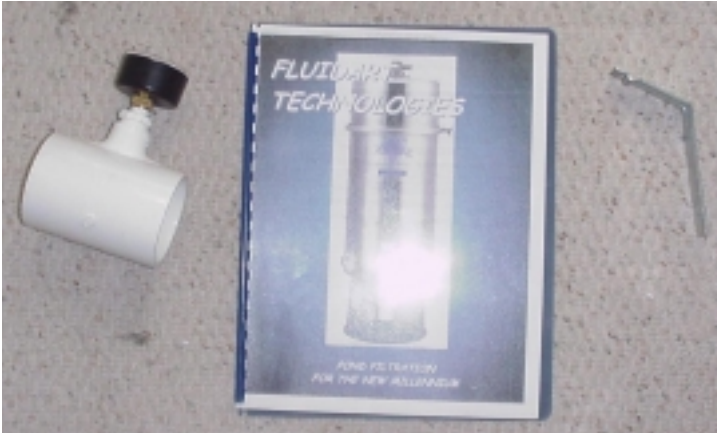
RATED 50 PSI

DESIGNED FOR EASY ACCESSIBILITY TO INTERNALS FOR NORMAL MAINTENANCE

AUTOMATED, SELF BACKWASHING OPTION AND BLOWER OPTION AVAILABLE



INSTALLATION INSTRUCTIONS



WHEN YOU FIRST OPEN THE BOX, LOOK FOR THE PACKAGE THAT CONTAINS VARIOUS PARTS AND INSTRUCTIONS. IT IS RECOMMENDED THAT YOU TAKE A FEW MINUTES TO READ THIS BOOKLET BEFORE BEGINNING TO SET UP YOUR NEW FILTER.



OPEN THE FILTER AND INSPECT THE INTERIOUR FOR ADDITIONAL PARTS SUCH AS VALVES, ETC.. TO OPEN THE FILTER, AFTER REMOVING THE BAND, USE THE SPECIAL TOOL TO “POP” THE LID FROM THE FILTER.



ATTACH THE “WASTE T” INSIDE THE FILTER BY HAND TIGHTENING THE LARGE NUT ON THE UNION.

ATTACH THE SPRAY BAR HAND TIGHT.

YOUR FILTER CONTAINS 2 TYPES OF MEDIA. BIO-LITE-FLOATING AND BIO-MAX-SINKING. OPEN THE BOXES AND EMPTY THE CONTENTS OF EACH DIRECTLY INTO THE FILTER PLACE THE SINKING MEDIA INTO THE FILTER FIRST FOLLOWED BY THE FLOATING MEDIA.

POSITION THE TOP OF THE FILTER IN PLACE AND PUSH DOWN FIRMLY. IF THE TOP DOES NOT SEAT INTO PLACE. TRY THIS TRICK: AT THE BACK OF THE FILTER PUSH THE BACK OF THE TOP OF THE FILTER INTO PLACE AND SQUEEZE INTO PLACE WITH A SET OF VISE GRIP TYPE PLIERS. LEAVE THESE ATTACHED AND MOVE AROUND TO THE FRONT OF THE FILTER AND SQUEEZE THE FRONT INTO PLACE WITH A LARGE SET OF PLIERS SUCH AS VISE GRIP OR CHANNEL LOCK TYPE PLIERS. THE TOP SHOULD "POP" INTO PLACE. THE PLIERS CAN BE REMOVED AND THE TOP WILL REMAIN IN PLACE WHILE YOU ATTACH THE BAND TO THE TANK.





ATTACH THE BACKWASH VALVE TO THE TANK BY HAND TIGHTENING ONLY.

MAKE PIPE CONNECTIONS ACCORDING TO THE ARROWS AT THE LEFT.

RETURN TO
POND

INLET

WASTE
LINE

BACKWASHING

NORMAL BACKWASHING IS EASILY ACCOMPLISHED BY 1. TURN OFF PUMP. 2. MOVE VALVE TO BACKWASH POSITION. 3. TURN PUMP ON AND RUN FOR 1 TO 2 MIN. UNTIL WATER IS CLEAR. 4. STOP PUMP AND TURN VALVE TO RINSE POSITION. 5. RESTART PUMP AND RUN UNTIL WATER IS CLEAR. 6. STOP PUMP AND MOVE VALVE TO FILTER POSITION AND RESTART PUMP. YOUR DONE.

REGULAR MAINTENANCE

ALL FILTERS NEED REGULAR SERVICE AND YOURS WAS DESIGNED TO MAKE THIS JOB AS EASY AND SIMPLE AS POSSIBLE. SEASONAL PREVENTIVE MAINTENANCE IS RECOMMENDED.

1. DRAIN WATER FROM TANK.
2. OPEN TANK AND REMOVE FLOATING BEADS. THESE ARE EASILY REMOVED WITH A WET VAC.
3. INSPECT ALL OF THE SLOTS INSIDE THE FILTER TO MAKE SURE THEY ARE FREE OF OBSTRUCTIONS. CLEAN IF NECESSARY. RETURN BEADS TO FILTER AND BACKWASH CLEAN.

TROUBLE SHOOTING

PROBLEM: DIRTY WATER ENTERS THE POND AFTER BACKWASHING.
SOLUTION: PLUGGED “WASTE T” SLOTS, NOT ALLOWING FILTER TO RID ITSELF OF DIRTY WATER AFTER BACKWASHING, CLEAN SLOTS.

PROBLEM: FLOW HAS SLOWED DOWN.

SOLUTION 1. BACKWASH.

SOLUTION 2. CLEAN INTERNAL SLOTTED PIPE.

PROBLEM: VERY LITTLE DIRTY WATER IS SEEN DURING BACKWASH.
SOLUTION: WHEN ALLOWED TO GO LONG PERIODS WITHOUT BACKWASHING “CAKING” OF THE UPPER BEADS CAN OCCUR. WHEN “CAKING” OCCURS IT IS RECOMMENDED THAT YOU REMOVE THE BEADS WITH A WET VAC AND RETURN THEM TO THE FILTER AND THEN GIVE A THOROUGH BACKWASH.

PROBLEM: WATER AT ONE TIME LOOKED “POLISHED” BUT NOW IS NOT.

SOLUTION: UPPER BEADS HAVE CHANNELED. REFER TO ABOVE SOLUTION.

FOR TECHNICAL SUPPORT, PLEASE CALL 405-843-9060

MANUFACTURED BY:
FLUIDART TECHNOLOGIES
8100 N. CLASSEN BLVD.
OKLA. CITY, OKLA. 73114