

Micro Bubble Therapy

INFUSION



Walk In Tub SYSTEM INSTALLATION GUIDE



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Walk In Tub Installation Sketch

BILL OF MATERIALS

ITEM	DESCRIPTION	PART NUMBER
1	PUMP	MB15000XXX
2	PRIME PORT	MBPPF
3	DRAIN PORT TEE ASSEMBLY	MBDPA
4	PRESSURE TANK ASSEMBLY	MBPTA
4A	UNION	700302
4B	90° ELL 1/2" SKT(2)USED W/MBPTA	406005
5	AIR INJECTOR ASSEMBLY	MBAIAW
6	MICRO BUBBLE NOZZLE	MBNZA
7	WALL BODY	MBWBA1
7A	WALL FITTING	MBWF1
7B	TRIM RING	MBTF-XX
8	PUMP UNION ASSEMBLY SUCTION	MBPUA-101
9	PUMP UNION ASSEMBLY DISCHARGE	MBPUA-100
10	1/8" I.D. TUBING (100 FT ROLLS)	5560125
11	1/4" I.D. TUBING (100 FT. ROLLS)	5560250

NOTES:

PUMP DRAINAGE

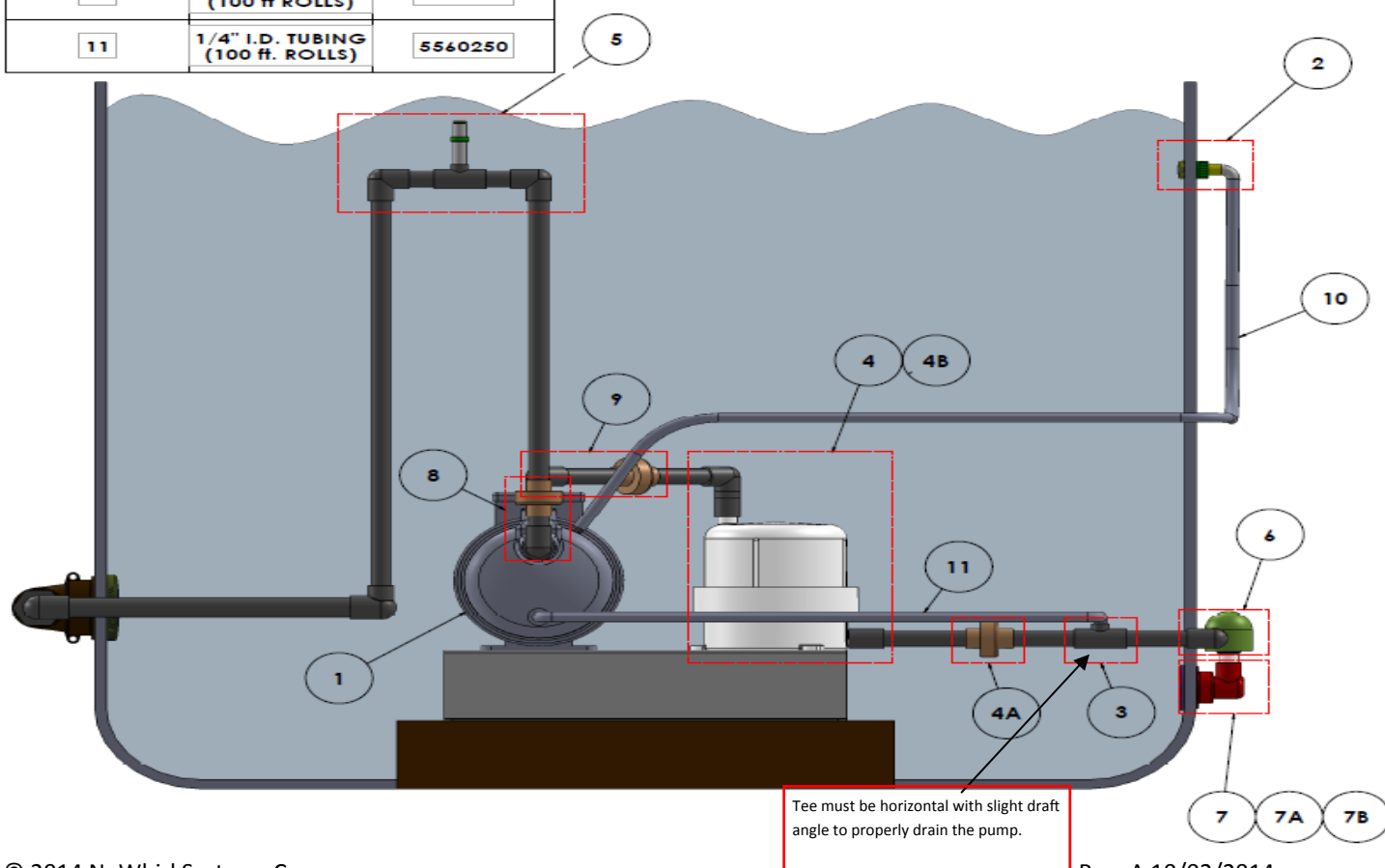
- Pump must be mounted so that the base is at a higher level than the suction and discharge fitting.
- It is necessary that the suction and discharge lines be at a slight draft for proper draining.

PRIME PORT INSTALLATION

- The prime port must be installed at a level of 2 inches below the water level of the tub.
- Make sure the barb connection is pointing downward.

MICRO BUBBLE NOZZLE-WALL FITTING PLACEMENT

- The installation of the micro bubble nozzle (6), must be in the discharge line 12 inches from the wall fitting (7).



Tee must be horizontal with slight draft angle to properly drain the pump.

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Installation Guidelines

MB15000XCB



PUMP PLACEMENT (MB15000XCB)

- When mounting the pump, the height must be at a level so the drain port is a minimum of one inch above the top of the suction fitting for proper drainage

MBPPF-XX



PRIME PORT INSTALLATION (MBPPF)

- The **MBPPF (2)** must be installed 2- 3 inches below the water level and requires a 1/8 inch flex tubing from the pump prime port barb to the prime port connection. Two hose clamps part# 700125 are provided for both ends to be clamped).
- The pump prime port to the prime port fitting needs to be as short as possible with no tube sagging or the pump will not prime. (The connection to the prime port fitting is to insure that all air is vented from the pump or it will not pump water)

MBDPA



DRAIN PORT ASSEMBLY (MBDPA)

- The **MBDPA (3)** is to be installed in the discharge plumbing between the nozzle and the MBPTA (4), it is supplied with a 1/4 barb fitting for connection to the drain port with 1/4 inch flex tubing. (two hose clamps to secure the tubing are provided, part# 700250)

IMPORTANT -The barb fitting should be horizontal when assembled to the plumbing, it is extremely important that this assembly is installed upstream of the nozzle assembly (MBNZA).

MBPTA



PRESSURE TANK ASSEMBLY (MBPTA)

- The **MBPTA(4)** is supplied fully assembled. Two 1/2 inch elbows are supplied unconnected to the tank. The tank has been assembled using a torque of 95 ft. lbs to secure lid to body. **(Please note the tank is ABS and the elbows are PVC.)** Once the position of the tank is determined, the elbows are to be installed on the tank using **WELD-ON 794** ABS to PVC solvent welding cement. **(DO NOT USE STANDARD PVC SOLVENT CEMENT)**

IMPORTANT -This is a pressure tank operating at 50 PSI and it's important to practice proper solvent welding procedure. Do not open the pressure tank if a problem occurs, return the tank intact.

MBAIAW



AIR INJECTOR ASSEMBLY (MBAIAC)

- The **MBAIAW(5)** connects to the Pump union assembly and has a 3/4 inch elbow to connect the suction pipe.

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Installation Guidelines continued.....



MB NOZZLE ASSEMBLY (MBNZA)

- The **MBNZA(6)** is to be located in the discharge plumbing a minimum of 12 inches from the wall fitting connection. The elbow must be connected to the nozzle in a down position. This is to insure proper drainage.



WALL BODY (MBWB)

- One **Wall Fitting(7)** and one **Body(7A)** are provided for the tub installation and are to be installed equal distance from each other.

Note: Trim Fitting MBTF-XX (7B) is sold separately because they come in different color finishes.

(To be specified by customer at the time of purchase.)



PUMP UNION ASSEMBLY-DISCHARGE (MBPUA-100)

- The pump discharge piping is 1/2 inch. The connections to the pump are made with a 1 inch NPT elbow assembled to a 1/2 inch union, part number MBPUA-100.



PUMP UNION ASSEMBLY-SUCTION (MBPUA-101)

- The pump suction piping is 3/4 inches up to the air injector assembly. The air injector, part number MBAIAC is 1/2 inch piping to the pump in order to insure proper introduction of air into the pump. The connection to the pump is made with part number MBPUA-101

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