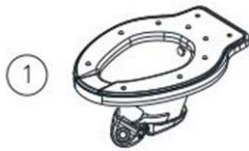


# INSTRUCTIONS MX3/II, TUWAY, GLOBAL II, AXXIS / ASPEN II Blow mold tank RECIRCULATING FOOT FLUSH / WITH FLAPPER BOWL

INTRODUCTION: Satellite portable restrooms and accessories must be assembled according to approved assembly procedures. Avoid variations in assembly procedures, which could adversely affect product life and warranty.

**Note: If pump & hoses need to be installed in the Impact base you will need instructions 22707 Instr- Impact F/Flush Solid or 22706 Instr- Impact F/Flush Grid. Install the pump and hoses into the base before proceeding with the following instructions.**

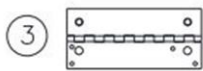
## HARDWARE:



PN 21208



PN 12588



PN 17169



PN 14384



PN 21212



PN 21187



PN 21333



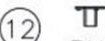
PN 18798



PN 18718



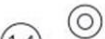
PN 19585



PN 16884



PN 12382



PN 11315



PN 21085

### 21301 KIT, MX3/II/TUF REC F/FL W/FLP

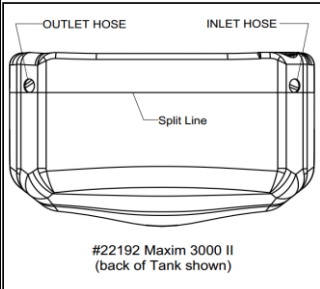
15	21085	1	WASHER, 1in FLAT STNLS
14	11315	4	WASHER, 3/16 RIVET STNLS
13	12382	2	WASHER, ¼ FLAT STNLS
12	16884	2	T-NUT, ¼-20 X ¾ PLTD
11	19585	2	SPACER, STNLS BOWL
10	18718	2	SCREW, ¼-20 X 1 TRUSS HEAD
9	18798	4	RIVET, #616 AAL POP
8	21333	1	INSTR- MX3/II/TUF FT/FL W/FLP
7	21187	1	FITTING, 3/4 INS X 1 INS POLY
6	21212	1	FITTING, 3/4 FPT X 1 INS PVC
5	21048	1	FILTER ASSY, TFW FOOT FLSH
4	14384	8"	HOSE, #44 FLEX
3	17169	1	HINGE, FLUSH BOWL
2	12588	3	CLAMP, WORM DRIVE #12
1	21208	1	BOWL ASSY, F/FLSH H/FLSH W/FLP

## TOOLS:

DRILL ELEC / CORDLESS	5/16 [8MM] NUT DRIVER BIT	JIG SAW	CHANNEL LOCK PLIERS
HOLE SAW 2.00" [50MM]	SCREWDRIVER (FLAT)	RIVET GUN	MARKER
#10 [5mm] DRILL BIT	PHILLIPS SCREWDRIVER BIT	UTILITY KNIFE	JIG SAW

**Maxim 3000 / II & Tufway / Global II (has same tank as Tufway) tanks:**

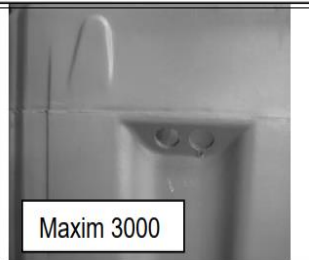
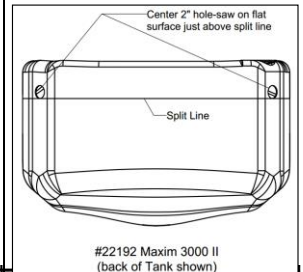
**1) Maxim 3000 tank PN 16690:** Drill at two dimples in rear of tank using 2.00" [50.8mm] Hole saw. **Maxim 3000 II tank PN 22192** Drill at locations shown using 2.00" [50.8mm] Hole saw.



**2) MAXIM 3000 TANK ONLY: "Carefully"** Cut 17.00" from end of green outlet hose using a utility knife (hose located at rear of base **MX3 F/FLUSH PN 21164** secured to base cradle along with inlet hose; to determine which hose is outlet press down on button of pump & air will flow out from outlet hose).

**3) MAXIM 3000 TANK ONLY:** Insert fittings 3/4 in INS x 1 in INS PN 21187 in ends of outlet / inlet hoses located at rear of base 3/4 end of fitting (one fitting will be included with filter assembly as an optional part). **NOTE: will need to heat hoses to install fittings. Recommend using hot / boiling water or heat gun, careful not to overheat hoses so they become too soft.** Slide clamps PN 12588 over fittings onto green hoses & tighten using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver.

**4)** Route hoses through holes in rear of tank. Use care to route **INLET** and **OUTLET** hoses per images below (MX3 & MX3 II have different inlet & outlet locations).



Maxim 3000



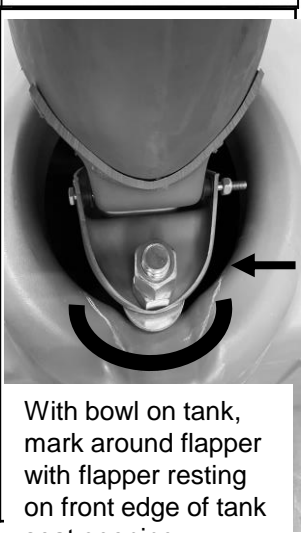
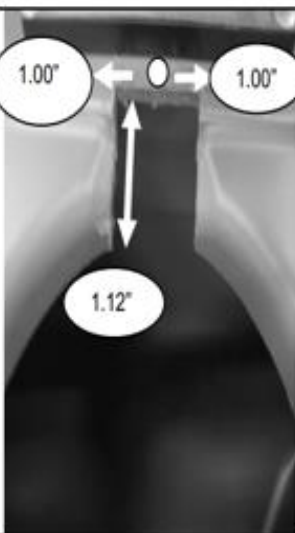
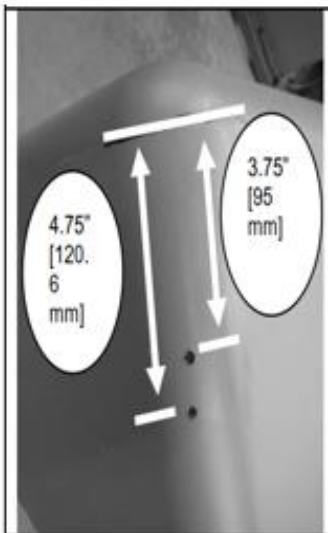
Maxim 3000

**5) TUFWAY TANK pn 10553:** Measure down 3.75" [95 mm] from parting line (near top surface of tank). Mark at 3.75 [95 mm] & 4.75" [120.6mm] in both corners of tank. Drill at locations shown below using a 2" hole saw. Cut into a clean slot

**6)** Insert fittings (same as step 3) Route hoses through holes in rear of tank. Use care to route **INLET** and **OUTLET** hoses per image below











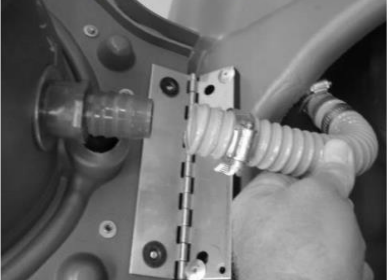
**7)** Cut out at rear of tank for fitting on end of bowl. Mark at rear of the seat deck opening as shown below from center of hinge/spacer. Cut at marks using jigsaw.

**8)** Cut out at front of seat deck opening. Mark at front of the seat deck (from center mark molded on tank seat deck). Cut at marks using jigsaw.



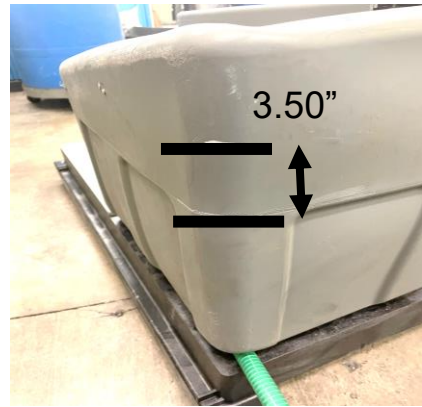
With bowl on tank, mark around flapper with flapper resting on front edge of tank seat opening.

## Maxim 3000 II & Tufway or Global II tanks:

<p><b>9)</b> Attach filter assy PN 21048 to inlet hose, remove fitting 1 in INS x 1 in INS PN 21042 in end of grey hose of filter assy. Insert 1" x 1" fitting into 1" cuff end of green inlet hose <b>(will need to heat end of green hose)</b>. Slide clamp PN 12588 on green inlet hose &amp; fitting. Tighten clamp on green hose &amp; fitting using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver. Insert 1" x 1" fitting in grey hose of filter assy. Slide clamp PN 12588 on grey hose &amp; fitting. Tighten clamp on grey hose &amp; fitting using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver.</p>	<p><b>10)</b> Insert fitting 3/4 in INS x 1 in INS PN 21187 in end of green outlet hose, 3/4" end of fitting. <b>(will need to heat end of green hose)</b>. Slide clamp PN 12588 on green hose &amp; fitting. Tighten clamp on green hose &amp; fitting using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver. Install 8" grey hose PN 14384 onto fitting in green outlet hose. Slide clamp PN 12588 on grey hose &amp; fitting tighten clamp using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver.</p>	<p><b>11)</b> Install hinge at rear of tank opening: Align holes in spacer P/N 19585 with holes in hinge P/N 17169 (as shown with knuckles of hinge facing up).</p>	<p><b>12)</b> Install hinge at rear of tank opening: Place hinge on spacer at rear of tank as shown. Insert plastic studs (included with seat-lid) through (2) .406" holes in hinge &amp; spacer into (2) holes in tank.</p>
			
<p><b>13)</b> Install hinge at rear of tank opening: Transfer drill through (4) .193" holes in hinge &amp; spacer into seat deck of tank using # 10 [4.90mm] drill bit.</p>	<p><b>14)</b> Install hinge at rear of tank opening: Rivet hinge &amp; spacer to tank using (4) rivets P/N 18798 with (4) washers P/N 11315 on inside of tank.</p>	<p><b>15)</b> With hinge open place (2) T-nuts P/N 16884 in .312" holes in hinge as shown.</p>	<p><b>16)</b> Close hinge &amp; place spacer P/N 19585 on top of hinge.</p>
			
<p><b>17)</b> Set bowl in tank, place washers P/N 12382 on screws P/N 18718. Insert screws &amp; washers through seat-lid / bowl and start in T-nut. After starting in seat-lid hinges, tighten bolts using Phillips screw driver or driver bit.</p>	<p><b>18)</b> Place washer PN 21085 on threads of nozzle at rear of bowl. Turn fitting PN 21212 on threads of nozzle &amp; tighten using a channel lock pliers.</p>	<p><b>19)</b> Attach Hose #44 flex (8") PN 14384 to bowl fitting <b>(Note: may need to use spray lubricant on inside of hose to aid in installation)</b> &amp; secure grey hose attached to green outlet hose to bowl fitting using clamp P/N 12588. Use flat blade screw driver or 5/16" [7.94mm] driver bit to tighten clamp.</p>	
			

**Axxis or Aspen II Blow Mold tank:**

**20) Axxis Blow Mold tank PN 22918:** Measure Up 3.50" [88.9 mm] from parting line & mark in both rear corners of tank.



**21)** Drill at marks in rear corners of tank using a 2" [50.8 mm] hole saw.



**22)** Install spacer at rear of tank opening as shown larger holes in line with holes in tank.



**23)** Slide space forward up to the front edge of the holes (just covering up holes in tank). Transfer drill through (4) smaller holes spacer into seat deck of tank using # 10 [4.90mm] drill bit.



**24)** Align holes in spacer P/N 19585 with holes in hinge P/N 17169 (as shown with knuckles of hinge facing up).

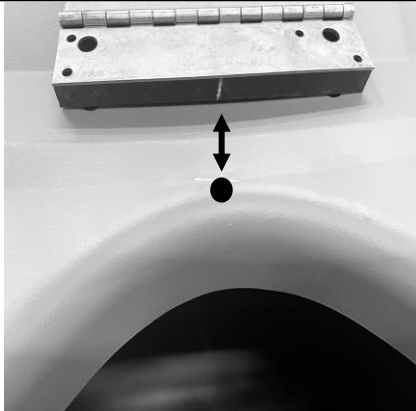


**25)** Rivet hinge & spacer to tank using (4) rivets P/N 18798 in 4 small holes in hinge & (4) washers P/N 11315 on inside of tank.



**Axxis or Aspen II Blow Mold tank:**

**26) Axxis Blow Mold tank PN 22918:** Mark for drilling with 2" [50.8 mm] at rear of tank opening for fitting / hose clearance at rear of flapper bowl. Measure out from inside edge of spacer, center of spacer 1-5/8" [41.28 mm]



**27)** Drill at mark using 2" [50.8 mm] at rear of tank opening.



**28)** With hinge open place (2) T-nuts P/N 16884 in .312" holes in hinge as shown.



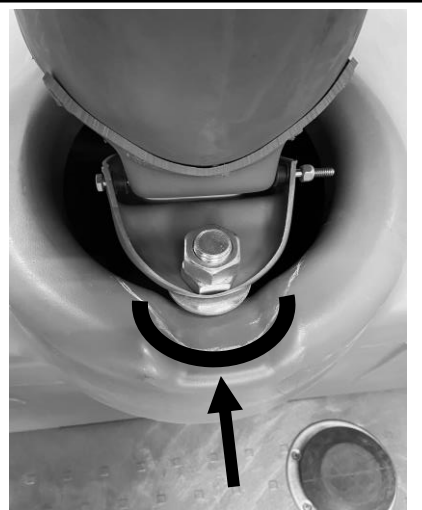
**29)** Install 2<sup>nd</sup> spacer at rear of tank opening on hinge as shown larger holes in line with larger holes in hinge.



**30)** Fasten bowl with seat lid to hinge at rear of tank. Set bowl with seat lid on tank. NOTE: front of bowl does not fit in tank opening at this time see steps 31) & 32). Place washers P/N 12382 on screws P/N 18718. Insert screws & washers through seat-lid hinge & bowl and start screws in T-nuts. After starting in seat-lid hinges, tighten bolts using Phillips screw driver or driver bit.



**31)** In front of tank will need to mark around flapper with flapper resting on front edge of tank seat opening. This is the area in front of tank opening to be cut out for flapper clearance.



**Axxis or Aspen II Blow Mold tank:**

**32) Axxis Blow Mold tank PN 22918:** Cut out marked area in front of tank opening for clearance of bowl flapper using a Jig saw.



**33)** Install filter assembly PN 21048 onto inlet hose (hose in right rear corner of base) **Note: to ease filter assembly installation. Before inserting inlet hose in tank, remove grey 1" x 1" fitting from filter assembly. Loosen hose clamp using 5/16" (.312") [8 mm] Hex Nut driver Bit or Flat blade Screwdriver.**



**34)** Install fitting 1" x1" in green inlet hose, inlet hose has 1.00" [25.4 mm] cuff on end. **"Will need to heat hose & use lubricant to aid installation of fitting in hose"**. Place hose clamp PN 12588 on 1" cuff of inlet hose & fitting. Tighten hose clamp using 5/16" (.312") [8 mm] Hex Nut driver Bit or Flat blade Screwdriver.



**35)** Insert inlet hose with fitting through hole right corner at rear of tank.

**36)** Attach filter assembly to inlet hose inside of tank. Insert fitting into grey hose of filter assembly. Place clamp PN 12588 on grey hose of filter assembly & fitting, tighten clamp with 5/16" [8 mm] Hex Nut driver Bit or Flat blade Screwdriver.

**37)** Install fitting PN 21187 included with filter assembly in green outlet hose in left corner of base, 3/4" end of fitting into hose (outside of tank). **"will need to heat hose & use lubricant to aid installation of fitting in hose"**. Slide clamp PN 12588 onto outlet hose & fitting. Tighten clamp using 5/16" [8 mm] Hex Nut driver Bit or Flat blade Screwdriver.



**Axxis or Aspen II Blow Mold tank:**

**38)** Attach 8" hose PN 14384 to fitting on green outlet hose. **Spray lubricant will help with installation of hose on fitting.** Slide clamp PN 12588 on grey hose & fitting. Tighten clamp using 5/16" (.312") [8 mm] hex nut driver bit or Flat blade screw driver.



**39)** Insert outlet hose with fitting & 8" grey hose through hole in left corner of tank.



**40)** Install fitting PN 21212 on nozzle at rear of bowl. Place washer PN 21085 on threads of nozzle at rear of bowl. Turn fitting on threads of nozzle & tighten using a channel lock pliers.



**41)** Install grey hose on fitting at rear of bowl (**Note: may need to use spray lubricant on inside of hose to aid in installation.**)



**42)** Slide clamp PN 12588 on grey hose & fitting. Tighten clamp using flat blade screw driver or 5/16" [7.94mm] driver bit.



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