"THE FLUSHER"
Factory Installation Instructions

CAUTION: Improper installation could result in product failure causing potential water damage.

- DO NOT plumb Atmospheric Vacuum Breaker/Check Valve (Vac/Check) in a binding condition that creates stress on part. Plumbing should be securely fastened to permanent structure.
- All plumbing connections made to this product during installation must be hand tight plus ¼ turn.
- DO NOT over-tighten swivel fittings to threaded connections. Over-tightening could result in stress cracking to plastic threads. Screw swivel fittings by hand.
- Spin weld fitting must be installed according to Industry Standard Plastic Welding Guidelines.
- B&B strongly recommends installing Vac/Check within 6' – 8' lineal feet of water inlet connection due to low pressure conditions.
- Vac/Check cannot be installed in an inaccessible location where venting of water from device during normal operation causes damage. It must be installed in an easily accessible location to end user.
- Vac/Check must be installed with the correct direction and orientation of flow or all warranty consideration is voided.
- Working pressure per ASSE #1001 is up to125 psi but NOT LESS THAN 8 psi.
- Do not use countersink headed screws due to potential cracking. Use only pan headed screws.
- Failure to follow these instructions for installation of our product will forfeit any warranty consideration.

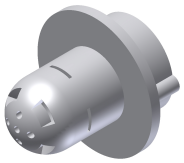
Items Included in "The Flusher" Kit

Kit Part Numbers	ABS Tank	Rotomolded Tank
	571 2P (white) 571 3P (black)	571 2PS (white) 571 3PS (black)

Water Fill Inlet
Part #160 85 A 2PZ (white)
Part #160 85 A 3PZ (black)

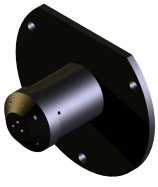
Atmospheric Vacuum Breaker/Check Valve
Part #571 VAC CHK

Rotomolded Tank Spray Head
Part #631



Label
Part #Flusher ENGL Tag

ABS Tank Spray Head
Part #571 Sprayer



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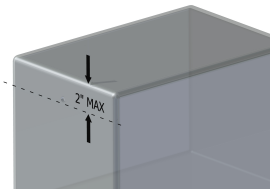
"THE FLUSHER"
Factory Installation Instructions (cont.)

Sprayer Installation

ABS TANK – GLUED APPLICATION

1. Drill a 1" hole on end or side of waste holding tank, **NOT TO EXCEED 2" BELOW TOP CENTER OF TANK.**



2. Insert desired ½" x ½" MPT fitting into threaded female connection, then tighten. Avoid excessive torque as this will cause stress & may result in cracking sprayer threads. If necessary, Teflon Tape may be used. Common thread sealants should never be used!

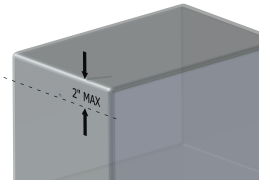
3. Apply a generous bead of 100% silicone sealant (do not substitute) to inside flange of black sprayer device.

4. Orientate black sprayer device with "top" facing up & fasten to tank using (3) #8 x ½ stainless steel screws. **DO NOT USE COUNTERSINK HEADED SCREWS DUE TO POTENTIAL CRACKING.**

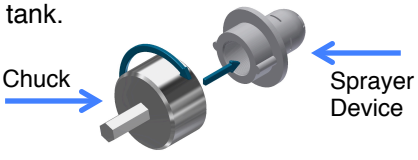
Let silicone sealant properly cure before testing.

ROTATIONAL MOLDED TANK – SPIN WELD APPLICATION

1. Drill a 1" hole on end or side of waste holding tank, **NOT TO EXCEED 2" BELOW TOP CENTER OF TANK.**



2. With a router that spins at over 20,000 rpm, insert white/clear sprayer device into special tool/chuck making sure it is well seated. Insert sprayer into 1" hole in tank.



3. Spin with chuck drive & stop when plastic begins to melt and hold for 5 seconds with some pressure to ensure bond.

DO NOT USE SEALANT ON SPIN WELD SPRAYER!

4. Insert desired ½" x ½" MPT fitting into threaded female connection, then tighten. Avoid excessive torque as this will cause stress & may result in cracking sprayer threads. If necessary, Teflon Tape may be used. Common thread sealants should never be used!

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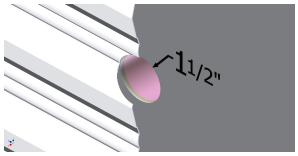
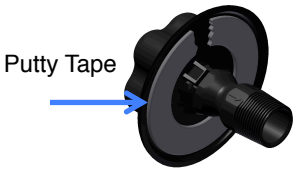
"THE FLUSHER"
Factory Installation Instructions (cont.)

System Installation

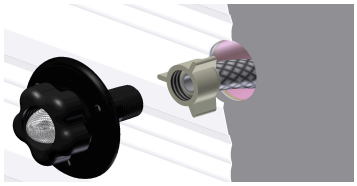
1. Cut 1½" diameter hole in sidewall & feed appropriate plumbing connection through opening.



2. Apply putty tape or foam gasket to entire back of dish flange. Make sure mounting holes are covered.

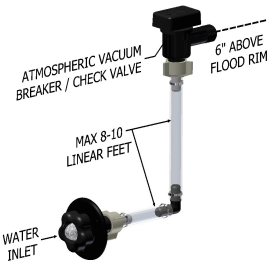


3. Connect plumbing line leading to Vac/Check to back of threaded water inlet.

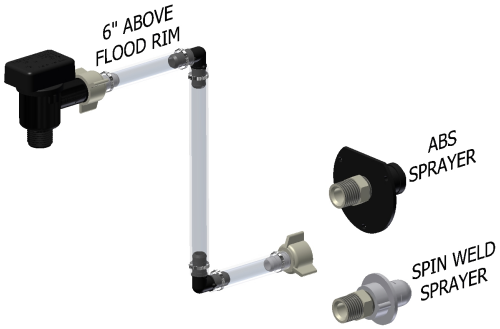


4. Position flange into cutout opening in sidewall & secure with (3) #8 self-tapping screws. Cap seal outside perimeter of flange for waterproofing. Affix supplied "CAUTION" label next to connection.

5. Finish connecting plumbing line running from water inlet to bottom of listed Vac/Check. Vac/Check should be located a minimum of 6" above flood rim of highest fixture connected to waste holding tank. *In addition, B&B recommends this length* of *piping not to exceed 6'-8' lineal feet.*



6. Connect plumbing line running from discharge side of Vac/Check down to sprayer installed on black water tank. Make connection to sprayer device.



a. *Plumbing line running from water inlet must be a dedicated line for the Tank Flush System.*

b. *Vac/Check assembly must be plumbed in proper direction of flow & orientation. Incorrect direction of flow will void warranty consideration.*

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"THE FLUSHER"
Factory Installation Instructions (cont.)

Testing the Flusher System

1. Connect a garden hose to water inlet of Flusher System.
2. Open dump valve on tank that Flusher Sprayer is installed.
3. Turn water on to test system – minimum water pressure of 40 psi must be used.

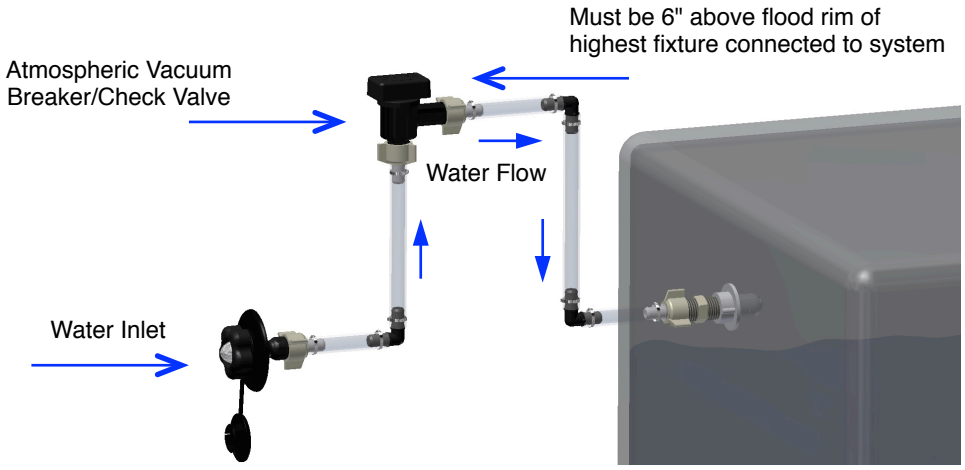
*Atmospheric Vacuum Breaker shall not be subject to continuous pressure for more than 12 continuous hours.

*It is normal for trapped water between Atmospheric Vacuum Breaker (Vac/Check) and water inlet to exit as garden hose is disconnected.

Important
Make sure faucet is open completely during entire tank flush cycle. Vac/Check is designed to work at water pressure range of 8 – 125 psi. Water leakage from Vac/Check is likely when water pressure in supply line is under 8 psi. It is normal for a small amount of water to escape Vac/Check as plumbing line for tank flush pressurizes.

NOTE: Any parts added to system shall be equivalent of and installed in accordance with IAPMO TSC 27.

Final Assembly View



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