

NEW INLET STRUCTURE WITH EFFLUENT DEFLECTORS WILL REPLACE THE DISTRIBUTION PLATE ON ALL PBF UNITS

Planet Care Inc. has been testing this new effluent inlet structure with deflector plates in the field and at the Waco testing facility with very positive results. This design is a modification of the original concept first used by Ed Festa with the 300 Series Peat Biofilter. The original design used a 4 inch perforated pipe suspended with hangers just under the spreader bars and without a distribution plate. The design worked well but was difficult to reinstall and level after servicing. Our new design separates the flow into two points of contact on the peat bed which aids the natural wicking capabilities of the sphagnum peat. Removal of the inlet structure is tool free and easy to level.

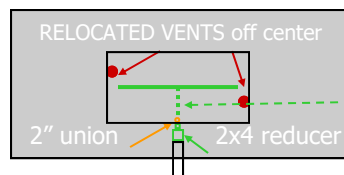


Tested at the NSF facility in Waco Texas

Installation Guide for PBF C units - Concrete Tanks only

Install your 4" inlet pipe far enough into the tank to let the 2" union be at the edge of the tank opening
Cut included 2" X12" pipe to center the inlet structure in the center of the tank opening.
Turn the 4" solid vent 90° ell, located at the underside of the concrete tank top, by the end walls, slightly to allow the 4" pipe to align with the off center position as shown with the red dots below. to allow clearance of the new inlet structure. Holes on the insulation cover cut outs should line up closely with the relocated, upturned 4" 90° ells at the spreader bars.

Level the new inlet structure with a torpedo level laid across the 2" tee. Hand tighten the 2" union firmly in place. If this unit is dosed with a pump, a little bit more than hand tight may be required. Always throttle the pump line.



For correct concrete kit fitment
cut 2" pipe to center tee in the opening

Installation Guide for PBF4 units - HDPE only

Install your 4" inlet pipe far enough into the tank so the 4" side of the reducer with union assembly is about 1/4 of an inch from the wall when glued into place.

The new inlet structure should be in the center of the tank opening.

Slide the 4" corrugated vent 90° ell slightly off center to allow clearance of the new inlet structure.

Holes on the insulation cover should line up with the upturned 4" corrugated 90° ells attached to the pvc spreader bars that support the insulation cover.

Level the new inlet structure with a torpedo level laid across the 2" tee. Hand tighten the 2" union firmly in place. If this unit is dosed with a pump, a little bit more than hand tight may be required. Always throttle the pump line.

Service for the new inlet structure

Loosen the 2" union • Remove the inlet structure • Check deflectors for debris and ensure free movement of the deflector plate • flush with clean water • Reconnect the 2" union and level