

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

800 Landscape Architectural Materials

808 Landscape Irrigation: Backflow Assemblies (Pressure Backflow Preventer)

ADOT Standard Specification: 808-2.01(A)

Responsible Section: Roadway Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Backflow Prevention Unit: General	808-2.01(A)	Backflow prevention units shall be atmospheric, pressure or reduced pressure type.		
Backflow Prevention Unit: Testing	808-2.01(A)	All testing of backflow prevention devices shall be as specified by the Foundation for Cross Connection Control Research, U.S.C.		
Backflow Prevention Unit: Definition	808-2.01(A)	Atmospheric and pressure type units may also be referred to as atmospheric vacuum breaker or pressure vacuum breaker.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	The pressure backflow preventer body and bonnet shall be bronze.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	The air inlet hood or canopy shall be stainless steel or brass.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	the spring shall be stainless steel,		
Pressure Backflow Preventer: General	808-2.01(A)(2)	the float shall be polyethylene		
Pressure Backflow Preventer: General	808-2.01(A)(2)	the vent and check discs shall be silicone rubber.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	Internal components of the unit shall be serviceable without removal of the unit from the piping.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	Pressure type units shall be rated to 150 pounds per square inch working pressure		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Pressure Backflow Preventer: General	808-2.01(A)(2)	Pressure type units shall withstand water temperatures of 33 to 210 degrees F.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	Pressure backflow preventers shall incorporate one spring loaded check valve which will close tightly when flow through the unit drops to zero		
Pressure Backflow Preventer: General	808-2.01(A)(2)	Pressure backflow preventers shall have an air relief valve that opens to break siphon when the internal pressure drops to 1 pound per square inch.		
Pressure Backflow Preventer: General	808-2.01(A)(2)	Each backflow device shall be manufacturer equipped with bronze-bodied, resilient seat shut-off valves on the inlet and outlet of the device and two ball-type test cocks.		