

Evaluation Table

PEP ID:	XXXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

800 Landscape Architectural Materials
 808 Landscape Irrigation: Valves (Remote Control Valve Plastic)
 ADOT Standard Specification: 808-2.01(D)
 Responsible Section: Roadway Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Remote Control Valve: General	808-2.01(D)	The manufacturer's name and identification shall be cast molded or stamped on the valve body or on a permanently attached metal plate or tag.		
Remote Control Valve: General	808-2.01(D)	Valves shall have a minimum service rating of 150 pounds per square inch.		
Remote Control Valve: General	808-2.01(D)	All valves shall have accurately machined or molded valve seat surfaces and internal parts.		
Remote Control Valve: General	808-2.01(D)	End connections shall be machined or molded female I.P.S. thread unless otherwise specified.		
Remote Control Valve: General	808-2.01(D)	Electrically operated valves shall be fully compatible and fully functional in all modes with the automatic controller device.		
Remote Control Valve: Plastic	808-2.01(D)(1)	The plastic remote control valve shall be a normally closed, 24-volt A.C., 50/60-cycle, solenoid-actuated globe pattern, diaphragm-type valve capable of regulating water flow.		
Remote Control Valve: Plastic	808-2.01(D)(1)	Valve pressure rating shall not be less than 200 pounds per square inch.		
Remote Control Valve: Plastic	808-2.01(D)(1)	The valve body and bonnet shall be constructed of glass filled nylon with the handle, rings and diaphragm hardware of Acetal.		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Remote Control Valve: Plastic	808-2.01(D)(1)	Diaphragm shall be constructed of nylon reinforced Nitrile rubber.		
Remote Control Valve: Plastic	808-2.01(D)(1)	"O" rings shall be Ethylene Propylene rubber.		
Remote Control Valve: Plastic	808-2.01(D)(1)	Valve stem shall be brass and all studs and flange nuts shall be stainless steel.		
Remote Control Valve: Plastic	808-2.01(D)(1)	The valve shall be actuated by a low power, epoxy encapsulated 24-volt A.C., 50/60-cycle solenoid with an in-rush power requirement of 0.41 amperes (9.9 VA) and a holding current of 0.23 amperes (5.5 VA).		
Remote Control Valve: Plastic	808-2.01(D)(1)	Control water pressure for the solenoid actuator shall be delivered from the inlet of the valve to the actuator by means of an internal or external passage particular to the valve size.		
Remote Control Valve: Plastic	808-2.01(D)(1)	Each valve shall be equipped with a manual on-off control and flow adjustment control.		
Remote Control Valve: Plastic	808-2.01(D)(1)	Manual operation of the valve shall be by manual internal or external bleed.		
Remote Control Valve: Plastic	808-2.01(D)(1)	The valve construction shall be such as to provide for all internal parts to be removable from the top of the valve without disturbing the valve installation.		