

223000S03 Plumbing Fixture Flush Valves (Ameresco)

[Ameresco Contract]

1.0 Automatic Flush Valve Manufacturers or equal:

- a. Sloan Valve Company
- b. Zurn Industries

2.0 Automatic Flush Valves shall be as follows:

- a. Closet Valve Optima Plus Battery By Sloan Valve Company
- b. Description of: Exposed Diaphragm type, Chrome plated brass, Battery powered, Sensor operated flush valve. Diaphragm assembly with dual filtered Diaphragm, High back pressure vacuum breaker, Vandal resistant stop cap.

2.1 Automatic Water Closet Flush Valves shall be as follows:

- a. Water closet automatic flush valve shall be exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior, battery powered sensor operated flush valve. The system is designed to perform to industry standards and a maximum flow of 1.6 gpf. Valve is operated by an infrared convergence-type proximity sensor with smart technology, powered by batteries, furnished with vandal resistant chrome plated metal housing, chloramine resistant internal seals, and reversible cover. Valve features a manual override flush activator button, an internal flow regulator to maintain constant flow rates independent of line pressures and an in-line filter to protect the valve from debris within the water. Diaphragm assembly with dual filtered Diaphragm, High back pressure vacuum breaker, Vandal resistant stop cap. The valve also includes a high back pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. The control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. All seals and gaskets are made of chloramine resistant materials.

- 2.2 Automatic urinal pint consumption shall be complete with sensor operated, battery powered, high efficiency flushometer valve and vitreous china urinal. The system is designed to perform to industry standards with as little as 1/8th gallon per flush. Valve is operated by an infrared convergence-type proximity sensor with smart technology, powered by batteries, furnished with vandal resistant chrome plated metal housing, chloramine resistant internal seals, and reversible cover. Valve features a manual override flush activator button, an internal flow regulator to maintain constant flow rates independent of line pressures and an in-line filter to protect the valve from debris within the water. Complete with high pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. Vitreous china urinal is supplied with 3/4" top spud, 2" outlet connection, vandal resistant outlet strainer and universal retrofit hanger bracket.

2.3 Automatic Flush Valve Retrofit Kit shall be as follows or equal:

- a. Optima Plus Battery Retrofit Kit by Sloan Valve Company (This kit fits existing manual closet flushometer valves by Sloan Valve Company) Royal models.
- b. This Retrofit Valve kit shall fit Standard Sloan models 115, and 111.