
Special Specification 4007

Flex Valve (Slip-Type)



1. DESCRIPTION

Provide and install the type of flex valve with pipe as shown on the plans. Size and locate the flex valves for storm water discharges in accordance with the plans.

2. EQUIPMENT

Provide a flex valve equal to the performance, duty, and quality of a Tideflex™ Slip-On Check Valve manufactured by Red Valve Company, Inc. Design the flex valve to allow free outflow and prevent backflow of water. Design the flex valve so that the head loss through the flex valve is 1 in. maximum at velocities of 12 ft./sec. or less.

Provide an all rubber flex valve of the flow-operated check type with a slip-on end connection. Design the flex valve to slip over the specified pipe outside diameter and attach by means of vendor-furnished stainless steel clamps.

Contour the port area down to a duckbill, which allows passage of flow in one direction while preventing reverse flow. Provide a one-piece rubber flex valve with nylon reinforcement. Ensure the flex valve has an exterior wrapping to protect against degradation by sunlight.

Ensure the inlet port area is 100% of the mating pipe port size.

Ensure the flex valve has the company name, plant location, valve size and serial number bonded to the flex valve.

3. CONSTRUCTION METHOD

Coordinate the flex valve installation with the pipe installation and concrete end treatment work. Install and handle the flex valve in strict accordance with the plans and the manufacturer's recommendations and instructions.

4. MEASUREMENT

This Item will be measured by each flex valve.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Flex Valve (Slip Type)" of the size specified, complete and functional. This price is full compensation for furnishing all materials including fasteners, tools, equipment, labor, and incidentals.