Valves shall be of the non-lubricated eccentric type with semi-steel bodies, resilient faced plugs and ends as shown. **The port area shall be cylindrical/rectangular and 100% of the standard pipe area.** Valves shall be operated by lever or gear operator unless otherwise shown. Flanged valves shall conform to the 125-lb standard unless otherwise shown. Valves 6-inch and larger, and all submerged valves, shall be equipped with gear operators, lubricated and sealed to prevent entry of dirt and water into the operator. All shaft bearings shall be furnished with permanently-lubricated bearing surfaces. The operator shall clearly indicate valve position. Valves 4-inch and larger shall be epoxy-coated in the water passages. Valves and operators shall be as manufactured by Homestead Industries, DeZurik Corporation or approved equal.

**Added:** PART 3 – EXECUTION

### 3.01 INSTALLATION

Before installation, remove foreign material such as weld spatter, oil, grease, and dirt from the valve and pipeline.

Install the valve as shown in Figure 2.

- **a.** In **HORIZONTAL pipelines**, install the valve so that the plug is horizontal and rotates upward as the valve opens.

- **b.** In **VERTICAL pipelines**, install the valve with the end marked “SEAT” (specified for DeZURIK plug valves) at top of valve.

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**Figure 2—Liquids with Suspended Solids**

**Change Legend:**

**Added**
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