

SPECIFICATIONS - DETAILED PROVISIONS
Section 15105 - Plug Valves

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**SECTION 15105
PLUG VALVES**

PART 1 GENERAL

1.01 REQUIREMENT

Under this specification, the Contractor shall be required to furnish, deliver, and unload within the time specified in the Special Conditions, the plug valves as specified on the bidding sheets and hereinafter described in these specifications.

1.02 VALVE MANUFACTURER

The name of the manufacturer of the valves to be furnished by the bidder shall be stated on the bidding sheets.

Inasmuch as valves require an in-service review over an extended period of time for evaluation by the District for acceptance, it is necessary that proposed valves other than those specified must be submitted for evaluation well in advance of the bid opening, for acceptance prior to the award of the contract. Generally, the 35-day period following issuance of the Acceptance of Proposal will not result in approval of alternate valves.

1.03 GUARANTEE

The Contractor shall guarantee all materials and workmanship of items furnished under these specifications shall be free from defects for a period of one (1) year after final completion and acceptance of the entire contract work. The Contractor shall, at his own expense, repair or replace all defective materials or workmanship supplied by him found to be deficient with respect to any provisions of this Specification.

PART 2 PRODUCTS

2.01 ECCENTRIC PLUG VALVES

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 DeZurik Corporation or approved equal.

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.

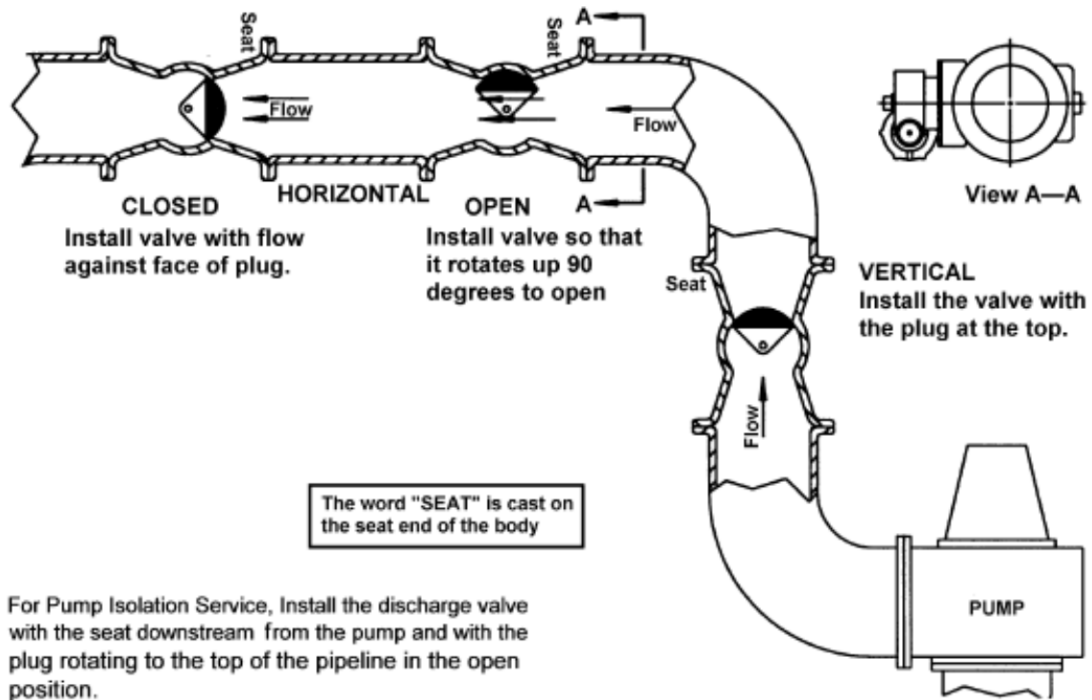


Figure 2—Liquids with Suspended Solids