

SLUICE GATES**Operation**

- The sluice gate is a non-rising stem type. The gate is opened by rotating the operating mechanism in a counter clockwise (open left) direction. The gate is closed by rotating the operating mechanism in a clockwise direction.
- The operating mechanism may be a 2" square nut attached directly to the operating stem of the valve, a 2" square nut attached to the valve operating stem by an extension stem and coupling, or hand wheel attached to the valve operating stem by an extension stem and coupling.
- The disc seat is forced against the seat in the body by a wedging action. The wedging action is created by two (2) adjustable bronze wedges mounted on the gate disc and the cast iron guide mounted to the gate body. See Drawing A-3500, items (6) and (3).

Maintenance

- Visual inspection of the bronze seats and wedges are recommended when the gate is accessible. Gate operation should be observed to ensure the gate is opening and closing evenly against the wedges. Adjust bronze wedges as necessary to correct wedging action. Lubricate stem and stem nut each time maintenance is performed.

Installation

- The gate flange is drilled to the 125-lb. standard template for mounting on flanged pipe drilled and typed for studs. Flange holes straddle the vertical centerline.

Parts

- Parts are available from Troy Valve, Troy, PA.

**Number of Turns
to Open Sluice Gates**

4": 14.25

6": 18.75

Troy Valve.....simply the best.**TROY VALVE**
A Division of Penn-Troy Manufacturing Inc.**Toll Free: (800) 232-4442 ■ sales@troyvalve.com**

650 Railroad Street, Troy, PA 16947 ■ Ph: (570) 297-4442 Fax: (570) 297-4136