REMINGTON VALVE, LLC.

INSTALLATION, OPERATION AND MAINTENANCE MANUAL
GENERAL SERVICE VALVE (GSV)

Simplifying the way you operate valves.
Installation Operation and Maintenance Metal Seated Ball Valves

GENERAL SERVICE VALVE

INSTALLATION

1. Unpack valves and remove any protective coverings used in shipping.
2. Inspect valves for any damage that may have occurred during shipment.
3. Valve should be placed in a vise and cycled to check operation.
4. If valve is actuated, test actuation. Use no more than 100 PSI air on pneumatic actuators. Use proper voltage for electric actuators.
5. Do not remove actuators from valve as the stops have been set at the factory. Removing actuators may void warranty.
6. Valves must be installed in proper flow direction. Flow arrow indicates flow. Short end of valve is up stream.

WELDING AND STRESS RELIEVING

1. DO NOT GROUND ACROSS VALVE. This may cause arcing between seats and ball damaging the coated surface.
2. Follow proper welding procedures for material grade of valves and piping.
3. When stress relieving, wrap only the welded portion of the valve. DO NOT WRAP ENTIRE VALVE.

OPERATION

1. Valves require no lubrication.
2. Packing bolts should be tightened ⅛ turn after first elevated pressure and temperature.
3. Use of anti-seize lubricant is recommended.
4. Key way points down stream when valve is in the open position.
5. Handle adapter has built in stops to assure proper position.
6. Contact factory if disassembly of valve and actuator is required.
7. Do not remove any bolting while valve is in use.

DISASSEMBLY OF VALVE

1. Remove valve from service. Position in a vise.
2. Remove actuation.
3. Make a note of stem/key position in relation to actuator position.
4. Remove snap ring and washer from stem.
5. Remove fasteners from mounting flange (22).
6. Remove pins retaining collar, remove collar.

7. Remove packing gland flange nuts (17), Belleville springs (15) (NOTE HOW SPRINGS ARE ORIENTED).

8. Remove gland flange (13) note side of spherical surface.

9. Remove packing follower (10), packing (11) and packing ring (12).

10. Remove end connect nuts (25).

11. Remove end connect (2) and body gasket (8).

12. Remove downstream seat (5).

13. Rotate stem to closed position, remove ball (3).

14. Remove up stream seat/push ring (4) and springs noting their placement.

15. If pinned stem push stem down and remove pin and inner collar (16).

16. Remove stem.

ASSEMBLY

1. Clean valve with solvent.

2. Lapp new downstream seat into seat pocket on end connect using supplied compound. If bi directional do the same for upstream seat.

3. Assemble valve in reverse direction as above.

4. Installing new packing, ball and gaskets.

5. Tighten all fasteners to factory recommendations. Contact factory for specifications.