

Start-up Procedure

APPENDIX A

Valves with Lantern Ring Shaft Seals

Plattco Double Flap Airlock® Valves are built to operate over 3,000,000 cycles per year. Simple maintenance procedures will result in long term, low cost performance.

I. Prior to Start-Up

- a. Plant air supplying the lantern rings must be piped to a pressure regulator. Set regulator at 5-10 psig above the maximum internal operating pressure of the valve. This will insure there is no leakage to atmosphere. External lantern ring seal leakage will wear the valve housing.

CRITICAL – lantern rings must be pressurized before start-up and at all times after start-up to prevent plugging of the ring orifices.

II. At Start-Up

- a. Inspect and adjust air supply pressure regulator to maintain optimum 80 psig pressure.
- b. Mount the FRL (Filter/Regulator/Lubricator assembly) in a position above the valves as described on page 5 of this installation manual.
- c. Make sure all fasteners are tight.
- d. Make sure all lubrication points are adequately greased.
- e. Check lantern ring seals and seal retainers – if necessary, adjust a few hours after start-up and periodically thereafter.
- f. Integrate a routine Plattco valve maintenance schedule with plant maintenance.

III. After Start-Up

- a. Weekly
 - i. Check lubricator oil level (if applicable).
 - ii. Lubricate grease fittings.
- b. Monthly
 - i. Check fasteners for tightness.
 - ii. Check cylinders for leakage.

IV. General Maintenance

- a. Whenever seats or covers are removed or replaced, gaskets should be replaced. Worn or torn gaskets should not be reused. Not using gaskets will void all warranties.