



Pneumatic Valve Instructions B-151

Operating Instructions for Mini 1 Air Valves

Hardinge Part 7799-00-00-000065

These Safety Precautions Must Be Observed:

1. Do NOT operate valves above maximum air pressure as stated on the name plate.
2. Mount 2-position, no-spring models with spool horizontal to avoid accidental spool driftover due to vibration.
3. Foot-operated valves should use OSHA approved safety guard.
4. Do NOT over lubricate.

Lubrication

For long life, use an air line filter/lubricator unit installed no farther than 8 to 10 feet from the valve. Use a good grade of petroleum base lubricating oil of light weight, no heavier than SAE 10-W. **Do NOT over lubricate**, as this may tend to cause spool sticking. **CAUTION:** Do NOT use questionable fluids in air line lubricators. Do NOT use petroleum oil with detergent additives. Detergents, volatile or aromatic fluids may swell rubber seals in valves. Never use cooking oil or vegetable oil as a lubricant. Many synthetic oils and additives are being promoted for their superior performance features without warning customers of the serious compatibility problems which develop from their presence in even small quantities in pneumatic components. **WARNING: Use of non-compatible lubricants will void the warranty.**

Fluid Media

Soft seal valves are made for air, vacuum and gases compatible with aluminum and Buna "N" rubber at pressure ratings given in the catalogs. They should not be used in liquids.

Solenoid Valves

Check voltage and frequency before connecting. **CAUTION:** Do NOT operate solenoid valves with more than 150 PSI. Solenoid coils are suitable for continuous duty at their rated voltage and hertz.