Dri-Lab
Use mild soap and water to clean the outside painted surfaces. Dry the unit with compressed air. At recommended 3-mo intervals, all valves, fittings, lines, tubing, and connections should be inspected for general mechanical and electrical integrity.

Antechamber
Check the sealing O-rings periodically and replace when worn or damaged. Clean antechamber doors periodically with a mild solvent, and coat the sealing surfaces with a light coat of vacuum grease. If required, adjust antechamber door tension as follows:
A. Close door and loosen jam nut at door clamp (Figure 4-1). Loosen nut 2.
B. Open door and rotate door clockwise (increase tension) or counterclockwise (decrease tension).
C. Close door to fully closed position - firm pressure should be required to close door.
D. Tighten nut 2 and then jam nut.

Replacing Old Gloves
Gloves should be replaced at the first sign of deterioration. To replace old gloves with a minimum of Dri-Lab contamination:
A. Seal glove port with internal glove port cover (optional equipment).
B. Remove glove by reversing the procedure for installing gloves as outlined in Section 2-4.
C. Install new glove as outlined in Section 2-4.
D. Before installing clamp, purge glove as follows:
   1) Increase and maintain positive pressure in glove box at approximately 4-in. water column.
   2) Loosen glove port cover to allow glove to fill with inert gas from glove box.
   3) Once glove is pressurized, tighten glove port cover again.
### Table 4-1
**Troubleshooting Dri-Lab**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Test</th>
<th>Solutions</th>
</tr>
</thead>
</table>
| I.  Glove box does not hold pressure or unable to establish low oxygen levels (bad atmosphere). | • Check leak test procedures for glove box.  
• Visually inspect gloves for holes or damage; inspect purge exhaust valve. | • New gloves.  
• Tighten loose connections into glove box.  
• Clean or replace purge exhaust valve. |
| II. Pressure decreases in glove box when evacuating anti-chamber.  
  or  
Oxygen levels increased when opening outside anti-chamber door. | • Dirty/damaged inside door O-ring.  
• Defective anti-chamber refill valve - can be eliminated from problem by plugging hole inside Dri-Lab. | • Clean or replace valves/O-ring. |
| III. Atmosphere deteriorates inside glove box when inside anti-chamber door is opened and outside door is closed. | • Dirty/damaged outside door O-ring.  
• Insufficient tension on outside door clamp. | • Clean or replace O-ring.  
• Increase tension of outside door clamp. |
| IV. Excessive pressure inside glove box. | • Inspect purge inlet valve.  
• Inspect purge exhaust valve for blockage. | • Clean or replace purge inlet valve.  
• Clean or replace purge exhaust valve. |