

# Valve Packing Adjustment



## **⚠ WARNING**

Before servicing any installed valve, you must

- depressurize the system
- cycle the valve

## **⚠ WARNING**

Residual system media may be left in the valve.

Follow the appropriate instructions below to adjust the packing on your valve.

### **40 and 40G Series Ball Valves**

Refer to *Packing Adjustment Card for 40 Series Ball Valves, MS-INS-40, or 40G Series Ball Valve Packing Adjustment, MS-INS-40G.*

### **60 Series Ball Valves**

Turn the lower stem nut clockwise in **1/16-turn** increments until leak-tight performance is achieved.

### **6DB Series Blowdown Valves**

Turn the packing bolt clockwise in **1/4-turn** increments until leak-tight performance is achieved.

### **Gauge Root Valves (6P series - ball tip only)**

1. Loosen the lock nut and turn the packing bolt clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **GU Series Needle Valves**

1. Loosen the lock nut and turn the gland nut clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **Integral Bonnet Series Needle Valves (O, 1, 18, 20, 26)**

Turn the packing nut clockwise in **1/4-turn** increments until leak-tight performance is achieved.

### **MN02 Series Process Monoflanges**

Evenly turn the gland follower screws clockwise in **1/8-turn** increments until leak-tight performance is achieved.

### **MN03, and MN04 Series Process Monoflanges**

1. Loosen the lock nut and turn the gland nut clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **Modular 85 Instrumentation Valves**

1. Loosen the lock nut and turn the gland nut clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **Severe Service Needle Valves (N series)**

1. Loosen the lock nut and turn the packing bolt clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **U Series Bellows Valves**

Turn the gland nut clockwise in **1/6-turn** increments until leak-tight performance is achieved.

Note: Inspect the bellows for leakage.

### **VB03 and VB04 Series Process Interchange Valves (needle valve stems only)**

1. Loosen the lock nut and turn the gland nut clockwise in **1/4-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

### **VB05 Series Process Interchange Valves for Reduced Fugitive Emissions**

#### • **VB05 Ball Valve**

Torque the gland bolts evenly to **75 in.·lb (84 N·m)**.

#### • **VB05 Needle Valve**

1. Loosen the lock nut and turn the gland nut clockwise in **1/12-turn** increments until leak-tight performance is achieved.
2. Retighten the lock nut.

**V, VB, VL, and VE Series Manifolds**

V2 series - Tighten the packing nut to **50 in.·lb (5.6 N·m)**.

V3 series - Loosen the jam nut and tighten the packing bolt to **135 in.·lb (15.2 N·m)**. Tighten the jam nut to **135 in.·lb (15.2 N·m)**.

**All**

After adjusting packing, test valve for proper function and operation.