



Service Instructions

CBN Series Bellows Cartridge Valve

Normally Closed Model

1. Place the **cartridge with (2) O-rings** into the manifold bore.
2. Place the **actuator assembly** into the cartridge. Keep the assembly in the vertical position through step 3.
3. Push down on the **actuator assembly** until the **stem tip** contacts the body seat.
4. While holding down the assembly, thread the **bonnet nut** into the manifold bore and tighten to 500 in.-lb (56.5 N·m). **Do not allow actuator assembly to rotate while threading bonnet nut.**
5. Test **valve** and **air actuator** to ensure proper operation and seal integrity.

Normally Open Model

1. Place the **cartridge with (2) O-rings** into the manifold bore.
2. Place the **actuator assembly** into the cartridge. Keep the assembly in the vertical position through step 3.
3. Pressurize the **actuator assembly** to the CLOSED position with 45 psig (3.1 bar) or push down on the **top of the stem** inside the actuator with a small rod until the **stem tip** contacts the body seat.
4. With the **actuator assembly** in the CLOSED position, thread the **bonnet nut** into the manifold bore and tighten to 500 in.-lb (56.5 N·m). **Do not allow actuator assembly to rotate while threading bonnet nut.**
5. Release pressure on **stem**. Test **valve** and **air actuator** to ensure proper operation and seal integrity.

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