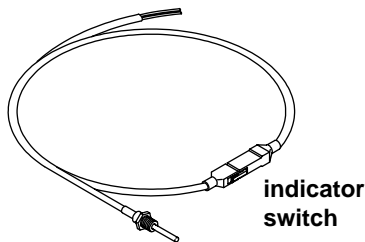


Indicator Switch Installation

Normally CLOSED, Pneumatically Actuated Valves

- BK Series Bellows Valves
- BN Series Bellows Valves
- HB Series Bellows Valves
- DA Series Diaphragm Valves
- DF Series Diaphragm Valves
- HD Series Diaphragm Valves
- RD Series Diaphragm Valves

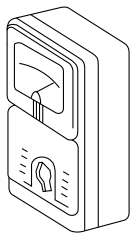
Kit Contents



Tools Needed



7/16 in.
open end wrench



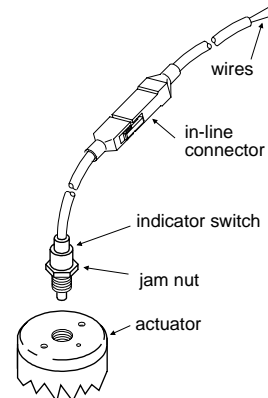
continuity
tester

Table 1

Valve Series	Actuator Pressure			
	psig	bar	MPa	kg/cm ²
4BK BN4 DA	60	4.1	0.41	4.2
BN8 DF RD	70	4.8	0.48	4.9
6BK 8BK HB	75	5.1	0.51	5.2
HD	80	5.5	0.55	5.6

5. Thread the **jam nut** of the new indicator switch to the top of the threads, then thread the **indicator switch** into the top of the actuator until initial contact is felt with the valve's internal piston (or stem). See Fig. 1.

Fig. 1



Caution:
Depressurize the system
before servicing any installed
valve.



Caution:
Purge any residual material
from the valve before servicing.

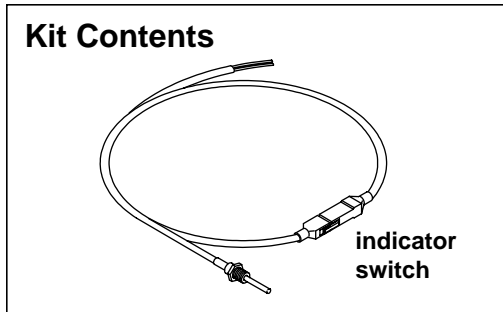
1. Loosen the **jam nut** that secures the indicator switch against the actuator.
2. Unthread the **indicator switch** from the top of the actuator to remove.
3. Pressurize the **actuator** to the **OPEN** position. See Table 1.
4. Disconnect the **in-line connector** on the new indicator switch.
6. Connect the indicator switch **wires** to a continuity tester, and reconnect the **in-line connector**.
7. Continue to thread the **indicator switch** into the actuator until the continuity tester indicates that the switch is actuated.
8. Thread the **indicator switch** into the actuator another one quarter of a turn to ensure continuity is maintained.
9. Thread the **jam nut** against the actuator and tighten.
10. Actuate the **valve** open and closed to verify that the **indicator switch** operates properly.

Indicator Switch Installation

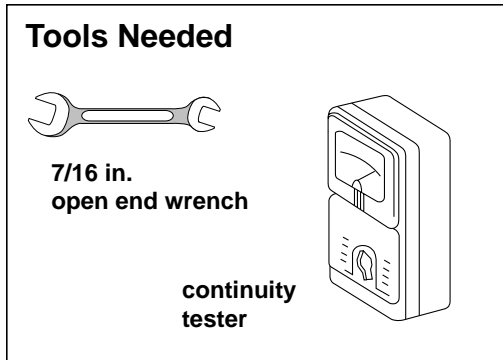
Normally OPEN, Pneumatically Actuated Valves

- HB Series Bellows Valves
- HD Series Diaphragm Valves

Kit Contents



Tools Needed



Caution:
Depressurize the system before servicing any installed valve.



Caution:
Purge any residual material from the valve before servicing.

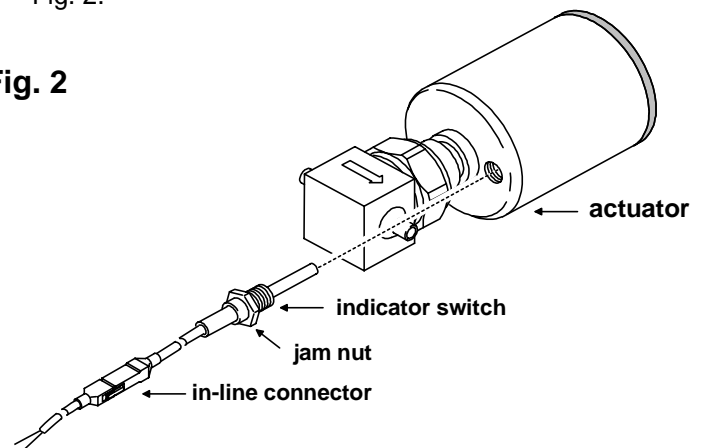
1. Loosen the **jam nut** that secures the indicator switch against the actuator.
2. Unthread the **indicator switch** from the bottom of the actuator to remove.
3. Pressurize the **actuator** to the **CLOSED** position. See Table 2.
4. Disconnect the **in-line connector** on the new indicator switch.

Table 2

Valve Series	Actuator Pressure			
	psig	bar	MPa	kg/cm ²
HB HD	30	2	0.2	2.1

5. Thread the **jam nut** of the new indicator switch to the top of the threads, then thread the **indicator switch** into the bottom of the actuator until initial contact is felt with the valve's internal piston. See Fig. 2.

Fig. 2



6. Connect the indicator switch **wires** to a continuity tester, and reconnect the **in-line connector**.
7. Continue to thread the **indicator switch** into the actuator until the continuity tester indicates that the switch is actuated.
8. Thread the **indicator switch** into the actuator another one quarter of a turn to ensure continuity is maintained.
9. Thread the **jam nut** against the actuator and tighten.
10. Actuate the **valve** open and closed to verify that the **indicator switch** operates properly.