



ADJUSTABLE OPEN-CLOSE STOPS ON PN-SERIES

The BI-TORQ® PN -series pneumatic actuator features adjustable stops for both the open (90°) and closed (0°) positions.* These stops are +/- 5° adjustable in both positions, providing a potential range of -5° closed to +95° open. This allows for fine adjustment to compensate for differences in valve manufacturing or for use on high-performance butterfly valves.

The PN-series adjustment stops require only an adjustable wrench. Specific wrench sizes are listed below:

PN-52 and PN-63	3/8" wrench
PN-75 and PN-85	1/2" wrench
PN-100	11/16" wrench
PN-115 and PN-125	3/4" wrench
PN-140	7/8" wrench

GENERAL OPERATION

CAUTION: do not attempt to adjust stops with air to the actuator. Disconnect the air supply before proceeding.

The right hand stop is for the closed position (CW rotation). To overclose the actuator (-1° to -5°), loosen the nut on the right hand stop and turn the stop bolt CCW. To reduce the closing rotation (+1° to +5°), loosen the nut on the right hand stop and turn the stop CW. Tighten the nut and put the air supply back to the actuator to test.

The left hand stop is for the open position (CCW rotation). To overopen the actuator (+91° to +95°), loosen the nut on the left hand stop and turn the stop bolt CCW. To reduce the opening rotation (+85° to +89°), loosen the nut on the right hand stop and turn the stop CW. Tighten the nut and put the air supply back to the actuator to test.



*PN-52 through PN-140 only