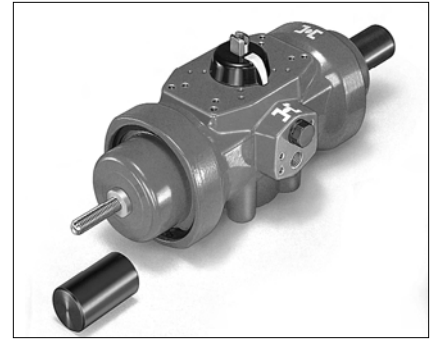


PA Series Options



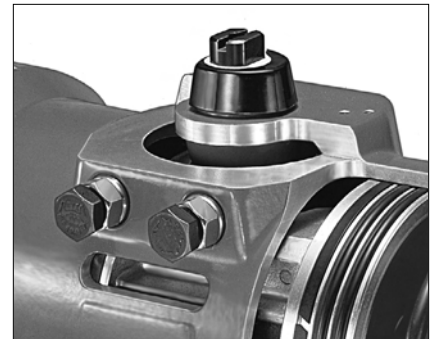
END CAP TRAVEL STOPS

End cap travel stops are available on PA Series actuators, sizes 00 to 70. Two bolts in the actuator end caps act as adjustable travel stops for **one** end of travel, either the open position of a normally closed valve, or closed position of a normally open valve. They must be adjusted equally to apply balanced stopping pressure on both pistons. The **full length of piston travel is adjustable**.



INTEGRAL TRAVEL STOPS

Integral travel stops are **standard on PA Series actuators, sizes 00 to 50 and 70. They are optional on sizes 30, 40 and 50.** Two bolts in the actuator body act as adjustable travel stops for **both** the open and closed valve end of travel. The bolt ends contact stops on the output shaft. They are **adjustable for the last 5 degrees of travel**.



RETAINED SPRING SET

Retained concentric spring packs prevent sudden release of spring tension during actuator end cap removal, preventing possible actuator damage or personal injury. They are available as an **option on sizes 30, 40 and 50. All other sizes (W to 25 and 70) have pre-loaded spring packs as standard.**



OPTION ITEM NUMBERS

| Size | End Cap Travel Stops | | Integral Travel Stops | Retained Spring Set |
|------|----------------------|---------------|-----------------------|---------------------|
| | Spring Return | Double Acting | | |
| W | N/A | N/A | N/A | Standard |
| 00 | LP-00S | LP-00 | Standard | Standard |
| 05 | LP-05S | LP-05 | Standard | Standard |
| 10 | LP-10S | LP-10 | Standard | Standard |
| 15 | LP-15S | LP-15 | Standard | Standard |
| 20 | LP-20S | LP-20 | Standard | Standard |
| 25 | LP-25S | LP-25 | Standard | Standard |
| 30 | LP-30S | LP-30 | TR30 (Optional) | SM30 (Optional) |
| 40 | LP-40S | LP-40 | TR40 (Optional) | SM40 (Optional) |
| 50 | LP-50S | LP-50 | TR50 (Optional) | SM50 (Optional) |
| 60 | LP-70S | LP-70 | Standard | Standard |
| 70 | LP-70S | LP-70 | Standard | Standard |