

## SOME OPTIONS AVAILABLE

- Hazardous Service solenoids\*
- Low Watt Hazardous Service Solenoid\*
- DIN Coil & Connector (Suffix -HC, -HCC, -HCCL, -HCL)
- Potted Coil, NEMA 4/4X Rating (Suffix -PC)
- Continuous Duty Solenoid (Suffix -3)
- Manual Overrides:
  - M: Unguarded, non-locking, manual override.
  - G: Guarded, non-locking, manual override.
  - M5R: Unguarded, locking manual override.
  - G5R: Guarded, locking, manual override.

### Override Options

Solenoid Type	Suffix Details**			
	-M	-G	-M5R	G5R
E	-STD -XX, -HC, -HCC, -HCCL, -HCL, -PC -XMAA, -XMAF, -XIFA, -XIFF			
E4/E5	-TR50, -XX, -XV, -XT, -XISX6, -XISXC, -XDB -HC, -HCC, -HCCL, -HCL, -PC, -228L			

### Solenoid Exhaust Adaptor:

Pipped: Suffix -H, -H2

Dust Proof: Suffix -L14

Water Tight: Suffix -D14

\*See Pages 9 - 11 for information on above

\*\*Partial list

## MANUAL OVERRIDES



-M

-G

-M5R

-G5R

### E Type Solenoids



-M

-G

-M5R

-G5R

### E4/E5 Type Solenoids

## EXHAUST ADAPTERS



-H2 1/8"

-H 1/4"

-L14

Dust Proof

-D14

Water Tight

## SPRING RETURN 61

A device for returning the valve spool to its original position in 2-position valves.

### TYPE "S"

Can be used on any type valve. Pushes valve Spool.

### TYPE "R"

For use with Hand or Treadle Operated valves usually. Pulls valve spool.

## NO-SPRING RETURN 61

### TYPE "N"

For use on Hand or Treadle Operated valves only. Used when automatic return of valve spool is not desired. Spool will stay in last position placed until operated to another position

## DETENT 60

A device that establishes a definite "feel" indicating when valve is in a specific position. Also prevents spool from shifting should excessive vibration be present. Generally used with Hand or Treadle Operated valves, but can also be supplied, in some cases, for Pilot and Solenoid/Pilot Operated valves as a Combination Actuator.

### TYPE "U"

3-position detent for 3-position valves. Provides detent in each offset position and center position as well.

### TYPE "Z"

2-position detent for 2-position valves. Provides detent in both offset positions.

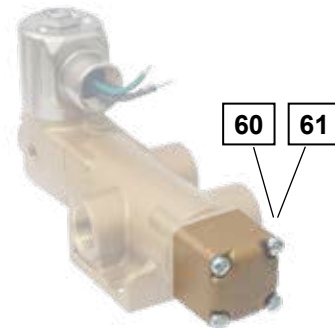
## SPRING CENTERING DEVICE

A device for returning the valve spool to center position in Hand and Treadle Operated valves only. Spring centering devices for Pilot or Solenoid/Pilot Operated valves are an integral part of the specific actuator.

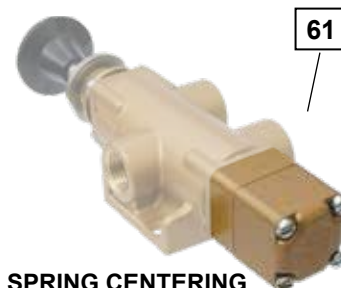
**TYPE "B"** spring centers from both offset positions.

**TYPE "D"** spring centers from only one offset position; pulls spool to center

**TYPE "E"** spring centers from only one offset position; pushes spool to center.



### SPRING RETURN, NO SPRING RETURN DETENT



### SPRING CENTERING