

Spring (Cartridge) placement

EL-O-Matic F-Series Spring return actuators are supplied with springs on each side of the actuator.

Throughout the F-Series size range, there are three different spring designs:

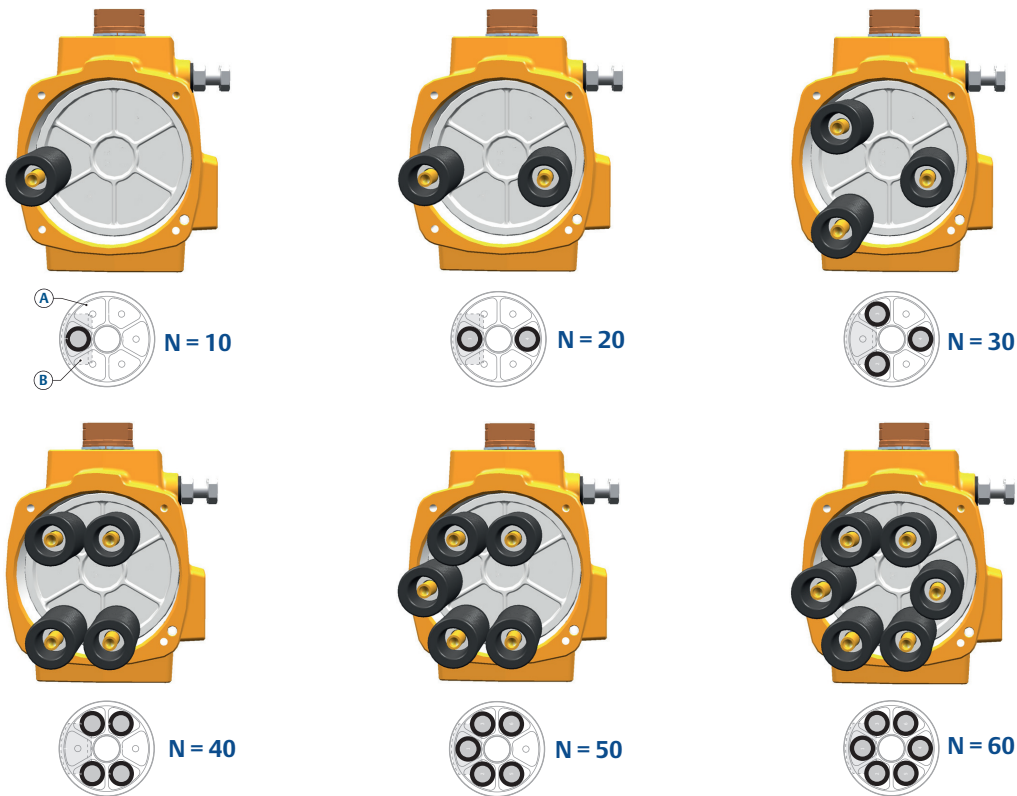
- Size F12 has only 1 spring on each side.
- Sizes F25 to F600 have 6 springs on each side (see figure 1).
- Sizes F950 to F4000 have 3 springs on each side (see figure 2).

Check below figures to see where to place the spring cartridges in case of spring set conversion.

When replacing spring cartridges in a spring-return actuator, ensure that the cartridges are replaced in their identical position from where they were removed.

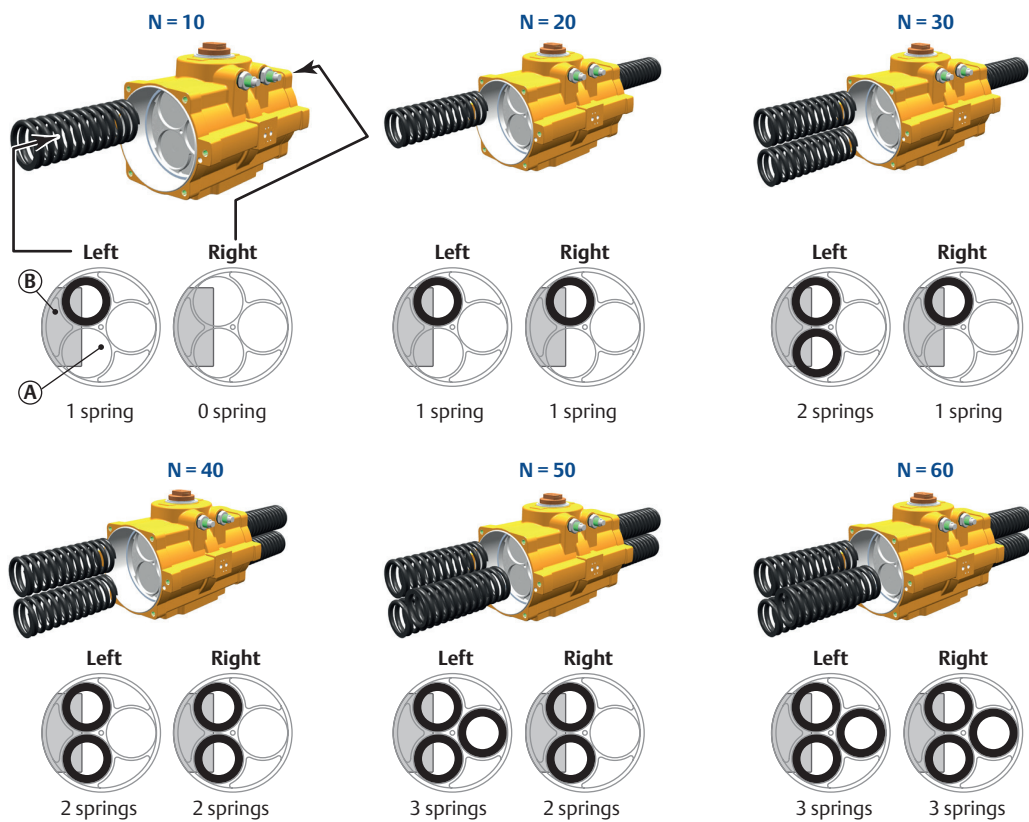
Before assembling the spring cartridges and end caps, make sure that the pistons are completely inwards.

Figure 1. Spring placement sizes F25 to F600



A = Piston top view
B = Position of piston gear rack

Figure 2. Spring placement sizes F950 to F4000



A = Piston top view
 B = Position of piston gear rack