
55295 e-ChemSaver® Maintenance Instruction

The 55295 e-ChemSaver is a solenoid-actuated shutoff compatible with a wide range of TeeJet nozzle bodies equipped with a diaphragm check valve. It can be used for end-of-boom nozzles as well as individual tip shutoff and PWM controls.

The valve is normally closed and opens when the solenoid is energized. The 55295 has a 2-Pin MetriPack connector molded into the body for a clean, weather-tight electrical connection.

General Disassembly and Reassembly

Note: O-rings (8, 9, 10) should be handled with care as they can be damaged/deformed

- 1) Loosen and remove the Nylon Nut (4) and Stainless Steel Washer (5)
- 2) Separate the Coil Assembly (1) from the rest of the Tube/Plunger Assembly (2, 3, 6-11)
- 3) Remove the Locking Ring (11)
- 4) Using pliers to grip the Stainless Steel Interface Cap (7), loosen the Tube Sub-Assembly (2) using a 9/16" (14 mm) or adjustable wrench

All repairable parts should be accessible at this point. The Plunger Sub-Assembly (3), Stainless Steel Spring (6), and O-rings (8, 9, 10) can be replaced without further disassembly

- 5) During reassembly, place the Plunger Sub-Assembly (3) and Stainless Steel Spring (6) in the Tube Sub-Assembly (2)

Note: the Plunger Sub-Assembly (3) should be oriented with the black insert facing outward (visible) when placed in the Tube Sub-Assembly (2)

- 6) While compressing the Spring (6), thread the Tube/Plunger Assembly (2, 3, 6-11) to the Stainless Steel Interface Cap (7) and tighten using a wrench and pliers

Optional: Apply 1 drop of Loctite Blue 243 to the threads of the Interface Cap (7) and Tube Sub-Assembly (2)

Torque Specifications: tighten Interface Cap (7) and Tube Sub-Assembly (2) to 12 in-lbs (1.36 N-m)

- 7) Return the Locking Ring (11) to its original position and slide the Tube/Plunger Assembly (2, 3, 6-11) through the Coil Assembly (1)

Note: the Coil Assembly (1) should be oriented with the MetriPack connectors facing away from the Interface Cap (7)

- 8) Place the Stainless Steel Washer (5) above the Coil Assembly (1) and tighten the Nylon Nut (4) to the Tube/Plunger Assembly (2, 3, 6-11)