



# RSDA16A-E Encapsulated Replacement Solenoid Coil

## Installation

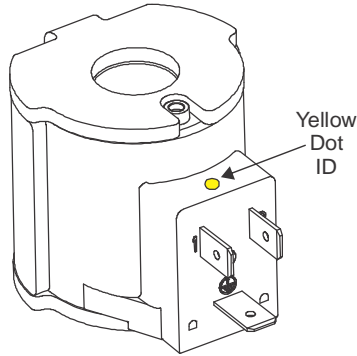


Figure 1: RSDA16A-E Encapsulated Replacement Solenoid Coil

**IMPORTANT:** These instructions are intended as a guide for qualified personnel installing or servicing BASO® Gas Products. Carefully follow all instructions in this bulletin and all instructions on the appliance. Limit repairs, adjustments, and servicing to the operations listed in this bulletin or on the appliance.

**WARNING: Risk of Electric Shock.**  
Disconnect the power supply before wiring connections are made to avoid possible electric shock or damage to equipment.

**WARNING: Risk of Equipment Damage.**  
Label all wires prior to disconnection when servicing valves. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

Only a trained service professional should perform this procedure. To replace the coil:

1. Disconnect the power supply to the valve.
2. Label and remove all wires connected to the coil.

3. Remove the existing solenoid. (Optional Attachments)
  - a. Locknut: Using a wrench, loosen the locknut at the top of the coil and remove both the nut and washer.
  - b. E-ring: Use a flat blade screw driver and remove the E-ring.
4. Carefully lift the coil off the solenoid guide.

**WARNING: Risk of Shock.**  
Do not apply undue force on the solenoid guide during removal or replacement. The plunger is housed within this guide and any distortion could tighten around the plunger and prevent the valve from closing.

5. Place the new replacement coil on the solenoid guide.
6.
  - a. Replace the washer and locknut if the solenoid guide uses the threaded stud.
  - b. Carefully tighten the locknut. Do not over tighten. Tighten the locknut to 25 lbs – in (2.82 N.m)
7. Replace the E-ring if the solenoid guide uses the slotted head. Use a channel lock pliers and squeeze the E-ring back in place. Ensure the cup part of the E-ring is up before assembly.
8. Connect all wires according to the labels applied in Step 2.
9. Turn on the power to the valve.
10. Run the valve through several cycles of operation and check that all functions are satisfactory.

## Repairs and Replacement

Table 1: Replacement Solenoid Coil

Part Number (Coil Color)	Description
RSDA16A-E12 (Red)	12 VDC; 2-tab 15 VA Coil
RSDA16A-E25 (Green)	25 VAC; 50/60 Hz; 3-tab 15 VA Coil
RSDA16A-E120 (Blue)	120 VAC; 50/60 Hz; 3-tab 15 VA Coil
RSDA16A-E240 (Black)	240 VAC; 50/60 Hz; 3-tab 15 VA Coil

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