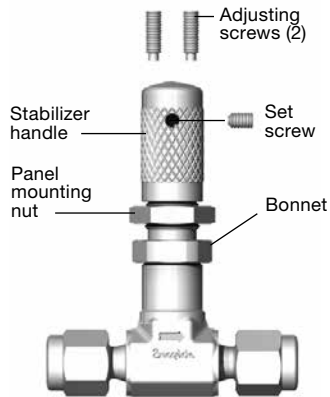


## S Series Metering Valve

### Panel Mounting the Adjustable-Torque Handle



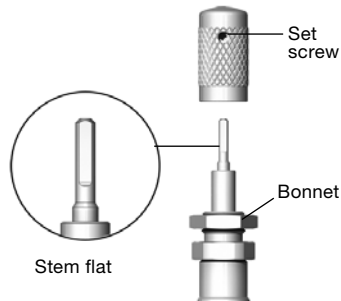
### Disassembly

1. Turn the **handle** to the factory-set CLOSED position. Maintain this exact stem position through step 4 of **Reassembly**.
2. Using a 1/16 in hex wrench, loosen the two **adjusting screws** in the top of the handle, then loosen the **set screw** in the side of the handle.
3. Slide the **handle** straight up the valve stem and remove without rotating the handle.
4. Remove the **panel mounting nut** from the valve.
5. Place the **valve** through the hole in the panel or bracket.

### Reassembly

1. Replace the **panel mounting nut** and tighten with a 9/16 in. open-ended wrench.
2. Align the **set screw** on the handle with the **stem flat**. Slide the **handle** straight down the stem until the handle rests on the bonnet. Do not rotate the handle or stem.
3. Tighten the **set screw** with a 1/16 in. hex wrench.

4. Tighten the two **adjusting screws** in the top of the handle to 4 to 5 in.·lb (0.45 to 0.57 N·m) of torque (approximately 3/4 to 1 turn past finger-tight). Use a 1/16 in. hex wrench.
5. Rotate the **handle** to check for proper operation. Adjust the handle torque by varying the torque of the adjustment screws.



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### WARNING

Do not mix/interchange Swagelok products or components not governed by industrial design standards, including Swagelok tube fitting end connections, with those of other manufacturers.

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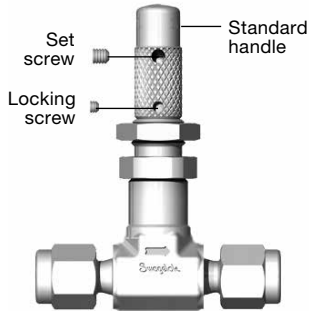
MS-CRD-0030, RevC, November 2021

## S Series Metering Valve

### Replacing the Standard Handle with the Adjustable-Torque Handle

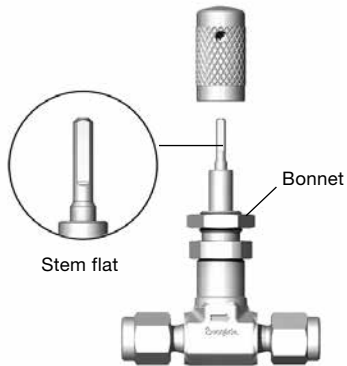
#### Disassembly

1. Loosen the **locking screw** on the side of the standard handle with a 0.050 in. hex key wench.
2. Turn the **handle** to the factory-set CLOSED position. Maintain this exact position through step 3 of **Reassembly**.
3. Loosen the **set screw** on the side of the standard handle with a 1/16 in. hex key wench.
4. Slide the **handle** straight UP the valve stem and remove without rotating the handle.



#### Reassembly

1. Align the **set screw** on the adjustable-torque handle with the **stem flat**. Slide the **handle** straight down the stem until the handle rests on the bonnet. Do not rotate the handle or stem.



2. Tighten the **set screw** with a 1/16 in. hex wrench.
3. Tighten the two **adjusting screws** in the top of the handle to 4 to 5 in.-lb (0.45 to 0.57 N·m) of torque (approximately 3/4 to 1 turn past finger-tight). Use a 1/16 in. hex wrench.
4. Rotate **adjustable-torque handle** to check for proper operation. Adjust the handle torque by varying the torque of the **adjustment screws**.

