

# Entegris Accuflo™ Metering Valve

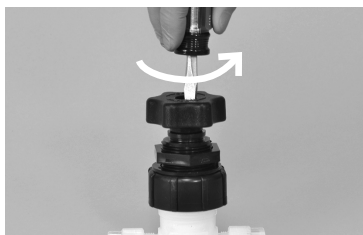
## INSTRUCTIONS

**⚠ CAUTION! Remove any pressurized sources from the valve before attempting repair.**

1. Turn valve handle clockwise until it is tight.



2. Remove the handle screw with a flat blade screwdriver by turning counter-clockwise and discard.



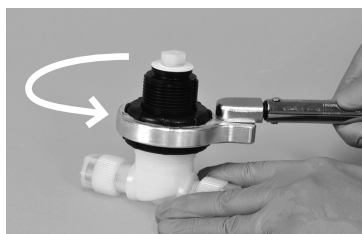
3. Turn the panel mount nut in a counter-clockwise direction until it unthreads from the inner cap thread. Discard panel mount nut after removal.



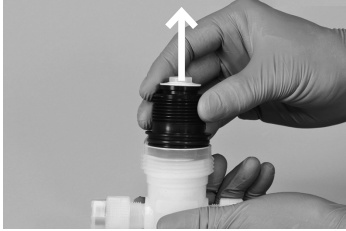
4. Pull the panel mount pad off the inner cap and discard.



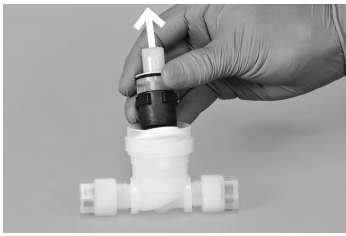
5. Using the Entegris outer cap wrench, unthread the outer cap from the body by turning the wrench in a counter-clockwise direction. Discard cap after removal.



6. Pull upwards on the inner cap assembly to remove the actuator assembly from the body and discard.



7. If the stem stays in the body, grab the stem as shown and pull up on it to remove and discard.



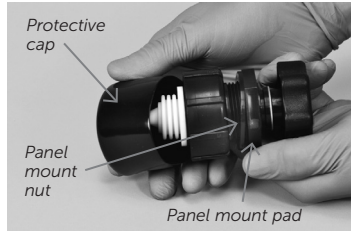
**CAUTION!** Do not make contact with the valve body seal surfaces, as it may cause damage.

8. Clean the sealing surfaces within the body by spraying with isopropyl alcohol and drying with clean dry air or nitrogen.



9. Remove the protective cap from the repair valve assembly and discard.

Turn the panel mount nut counterclockwise until it is held on by the last thread on the threaded inner cap and pull the panel mount pad against the panel mount nut as shown.



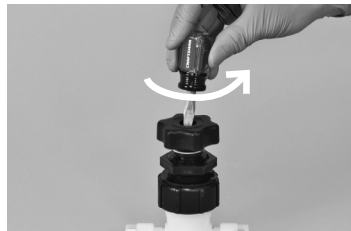
10. Place the repair assembly into the valve body as shown. Match the width of the ribs on the actuator body to the correct slot width in the body.



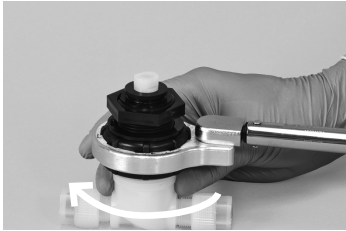
11. Hand tighten the outer cap by turning in a clockwise direction.



12. Remove the screw from the handle by turning it counterclockwise and also remove the handle and washer.



13. Place the outer cap wrench onto the cap and turn it clockwise to 9.1 N•m (80 in•lbs)



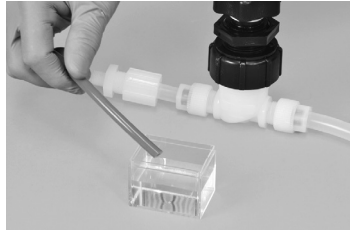
14. Install the white thrust washer on the stem and then place the handle on the stem, lining up the flats on the stem with the flats in the handle.



15. Using a flat blade screwdriver, install a screw to hold the handle in place by turning it clockwise. Do not over tighten.



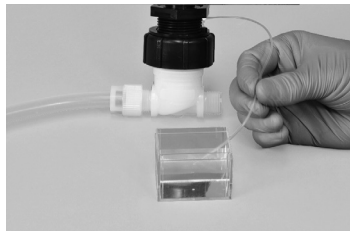
16. **Port seal test:** With the valve in the closed position, apply 689 kPa (100 psig) air or nitrogen pressure to the outlet port and connect a tube to the inlet port, submerging it in water. No leakage should be seen at the inlet port over a 60-second period of time.



17. Insert a 1/16" tube into the leak detection hole on the inner cap.



18. **Media test:** With the valve in the closed position apply 689 kPa (100 psig) air or nitrogen pressure to the outlet port. Submerge the end of the tube in water and observe it for a 60-second period. No leakage should be seen.



## ORDERING INFORMATION

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### Repair parts kit

ITEM	DESCRIPTION	QUANTITY
MV8-RKIT	Repair kit	1
01-1027901	Outer cap wrench	1

### Customer supplied items

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Screwdriver, flat blade

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Torque wrench capable up to 9.1 N•m (80 in•lbs)

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Isopropyl alcohol

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Regulated air or nitrogen supply up to 689 kPa (100 psig)

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Tubing, port connection caps, container and DI water

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## FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](http://entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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