

Instructions for Balancing

#78300 Series TwistSeal™ Mini (40 mm) Manifold Modules

Note:

- Horizontal mounting only (as shown); flow meter will not function sideways or upside-down.
- Valves are shipped open (valve at setting 11, white limiter ring at setting 11).
- Clean and lubricate o-rings before assembly.
- The white limiter ring allows for easy “off” / “balanced-on” of loops without having to recalibrate the manifold.

Balancing Method 1:

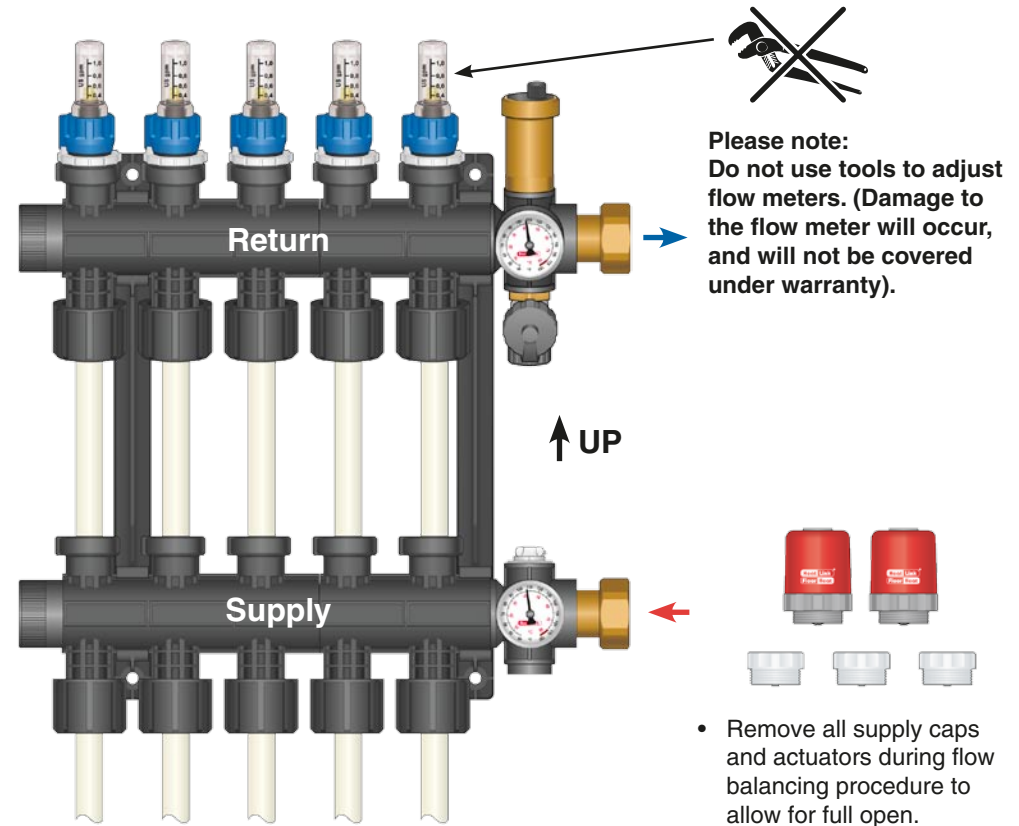
Valve setting or flow characteristic known (pre-balancing)

1. Fully open the supply valves (remove white caps or actuators)
2. Turn the blue cap to adjust the return valve to the desired setting per the heatloss calculation or friction head graph.
3. After all valves are set, field adjustments may be necessary.
4. Setting the limit (optional) - Pull up the white limiter ring and turn it clockwise until the white “stop” butts up against the blue triangle. Push the white limiter ring down to lock it in place.

Balancing Method 2:

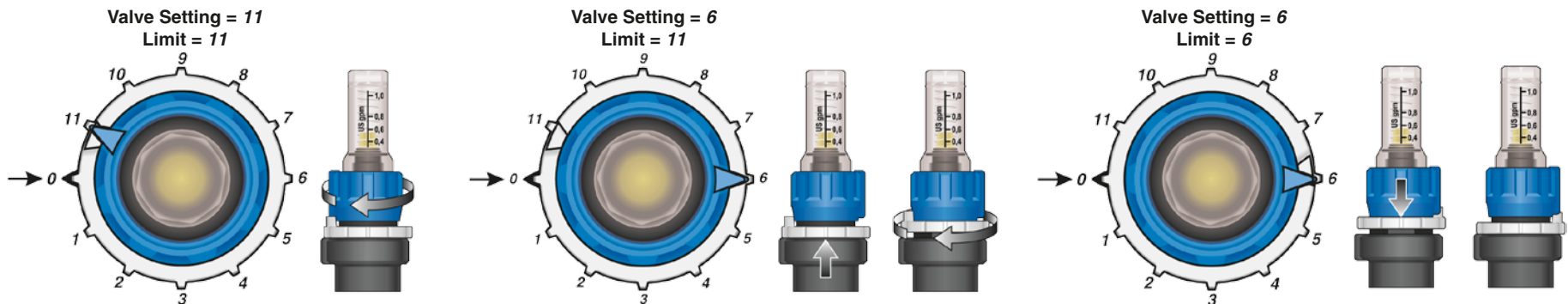
Only flow rate known

1. Fully open the supply valves (remove white caps or actuators).
2. Turn the blue cap to adjust the flow to the desired setting (flow meter).
3. Valves adjusted first may need to be re-adjusted once all other loops have been set.
4. Setting the limit (optional) - Pull up the white limiter ring and turn it clockwise until the white “stop” butts up against the blue triangle. Push the white limiter ring down to lock it in place.



Example: Setting 6

Bold Italic numbers are relative to the black manifold body arrow.



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