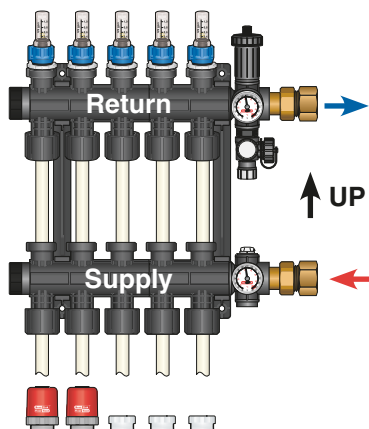


# Instructions for Balancing

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



### Notes:

- 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.
- Remove all supply caps and actuators during flow balancing procedure to allow for full open.



### Please note:

**Do not use tools to adjust flow meters.**  
(Damage to the flow meter will occur, and will not be covered under warranty).

### Balancing Method 1 (7830x and 7832x):

*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 (7830x only):

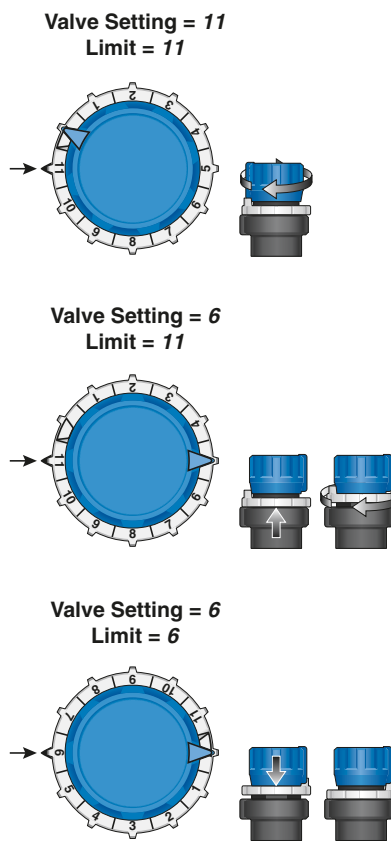
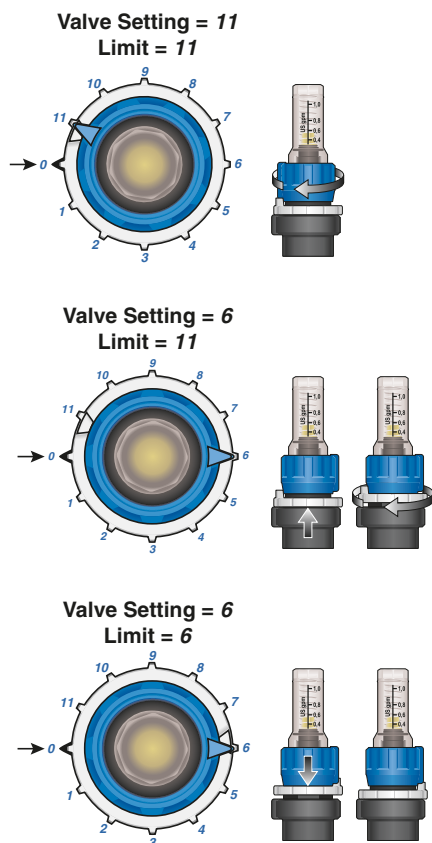
*Only flow rate known*

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.***

**Black numbers on white ring correspond to the black manifold body arrow. These numbers indicate the limit setting.**



# Instructions for Balancing

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

Flow Meter  
Settings  
Top View

