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| Submittal Data Sheet SD116 | EFFECTIVE 5/1/19 |
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SUBMITTAL DATA APPROVAL

For: _____

Job: _____

Date Submitted: _____ By: _____

Date Approved: _____ By: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

US DESIGN • MADE IN USA

AMK-ODR ODR Recirculation Valve Kit (*Patent Pending*)

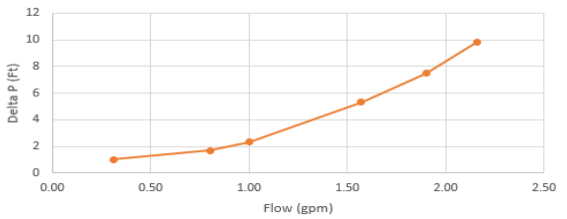
Materials of Construction

- Valve Body.....300 Series Stainless Steel
- Active ElementCopper
- Tee Body Lead free brass composite
- Check Valve.....Composite
- Stainless Steel Hose

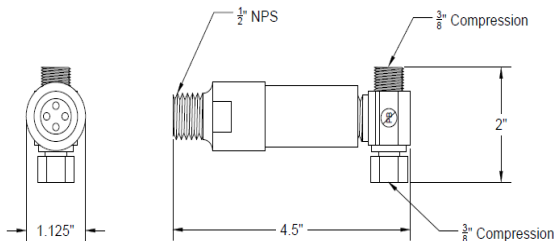
Pressure Drop Across the ODR Valve with Check Valve & Tee

| Time (Min.) | Weight* (Lbs) | Flow (gpm) | Delta P (Ft) |
|-------------|---------------|------------|--------------|
| 0.5 | 4.35 | 0.31 | 1.00 |
| 1 | 8.46 | 0.80 | 1.70 |
| 1 | 10.07 | 1.00 | 2.33 |
| 1 | 14.86 | 1.57 | 5.30 |
| 0.5 | 9.68 | 1.90 | 7.50 |
| 0.5 | 10.79 | 2.16 | 9.85 |

Pressure Drop Across ODR Valve



The CV of the ODR Valve with Tee & Check Valve is 1.0 with 55°F water



The **AquaMotion ODR Valve** is a small, quiet, lead free stainless/brass hot water recirculation valve. It installs at the fixture furthest from the hot water heater. It acts in conjunction with a circulator to supply hot water ON DEMAND. The ODR Valve mounts below the fixture between hot and cold supply lines. When hot water is called for using an On-Call control, the circulator forces the cooled hot water in the hot water line into the cold supply line which returns it to the hot water heater. As hotter water reaches the ODR Valve it closes until a 95°F temperature is reached at which point the valve automatically adjusts to maintain this temperature. The circulator continues to operate for 5 minutes based on the factory setting of the receiver.

Specifications

- Fully closed at 105°F
- Fully open at 95°F
- Begins to open at 100°F
- Max Pressure- 150 psi
- Max temp 150°F
- Min temp. 35°F

