



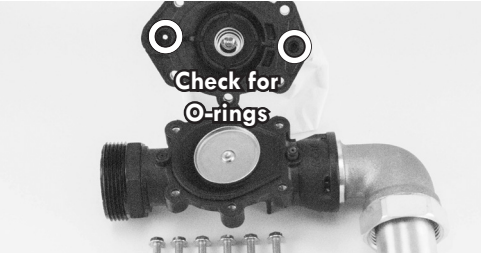
Rebuild Video Support

DISASSEMBLY

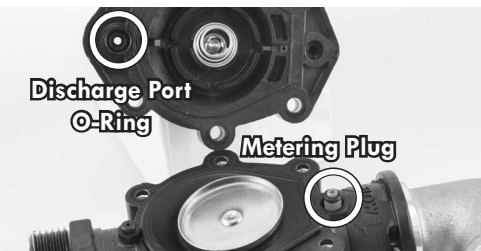
Step 1: Remove (6) bonnet screws from valve body.

Note:

Check under bonnet to remove any O-rings that may have remained inside discharge port or metering plug channel.



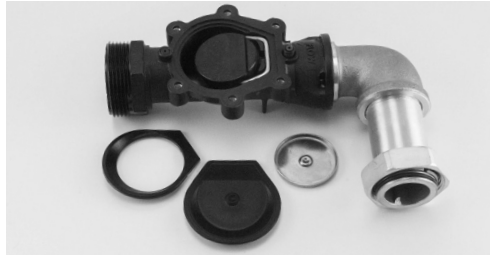
Step 2: Remove & discard metering plug with (2) O-rings, (1) strainer screen, and (1) discharge port O-ring.



MOMENTUM® Flush Valve Rebuild Instructions

100290 Series / Rebuild Kit Part Number: 100325

Step 3: Remove & discard cup assembly, metering gasket, and plastic support ring.



Step 4: Remove flapper assembly and inspect valve seat for imperfections.

Note:

After inspection, disassembly is complete. Please continue with parts located inside the rebuild kit.



Disassembly complete - discard old internal components. Continue on with reassembly.

REASSEMBLY - Please use rebuild kit

Step 5: Install new flapper assembly with visible screw side facing down and flapper yoke seated behind fence.

Step 6: Install new support ring (*rib side faced down*)

Note:

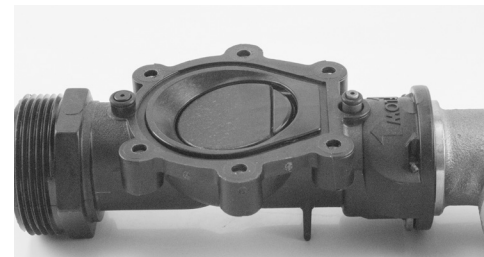
If your flush valve has "I-CON Momentum®" printed on the valve bonnet you must use the support ring printed with "38 SR" on it for proper fit.

All other valve models will use support ring with no markings.



STOP ***Please ensure you are using proper Support Ring for your valve*** **STOP**

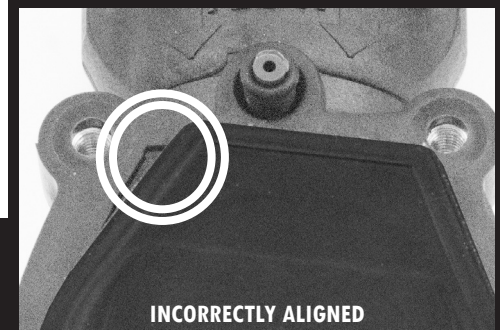
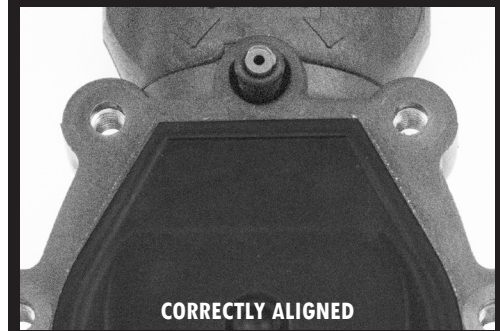
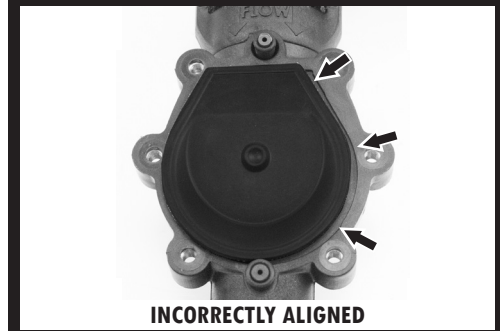
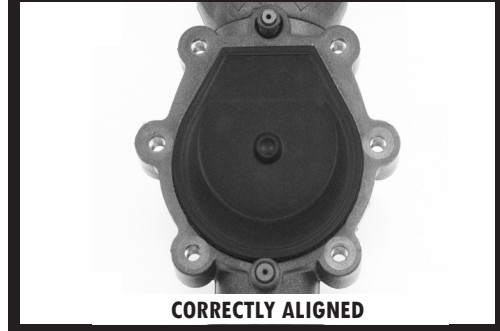
Step 7: Install new metering gasket paying careful attention to center the gasket on the valve body groove.



Please refer to **STEP 7 ALIGNMENT GUIDE**

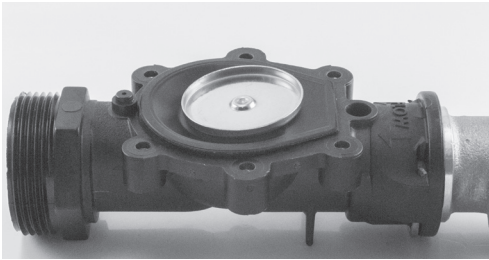


STEP 7: ALIGNMENT GUIDE



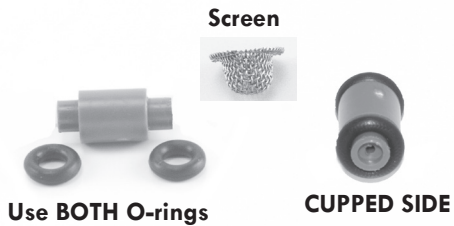
REASSEMBLY CONTINUED

Step 8: Install new cup assembly with edges facing up towards bonnet.

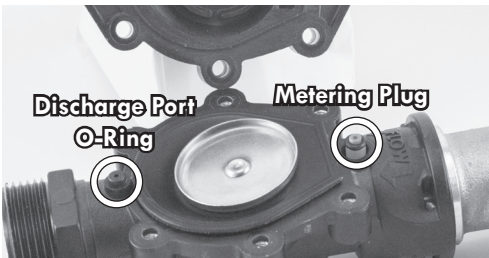


Step 9: Install new strainer screen with dome faced down then install metering plug with (2) O-rings.

Note: Make sure the metering plug has O-rings on both sides and is installed **cupped end down** towards screen.



Step 10: Install (1) discharge port O-ring on to discharge port.

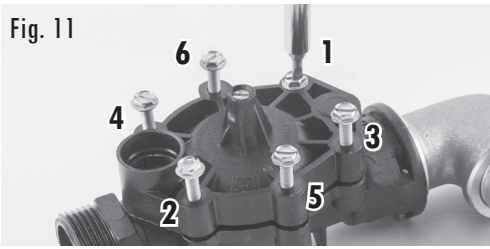


Step 11: Secure bonnet to valve body with original screws and follow tightening sequence (Fig. 11). Tighten screws in two steps, all snug on first pass, then fully tighten on second pass.

Note: Hand tighten. (15in-lbs MAX)

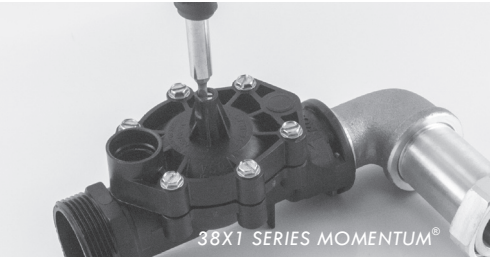
Note: Follow tightening sequence order 1 to 6.

Fig. 11



Reset valve to I-CON Standard Setting

Step 12: Turn metering stem clockwise as far as it will go.

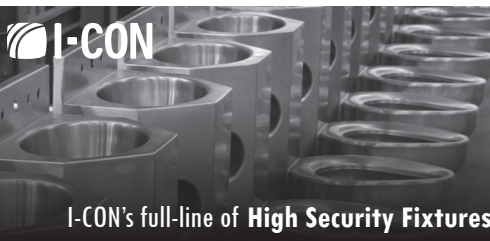


Step 13: Turn metering stem back counter clockwise 2.5 turns and valve volume is now reset.

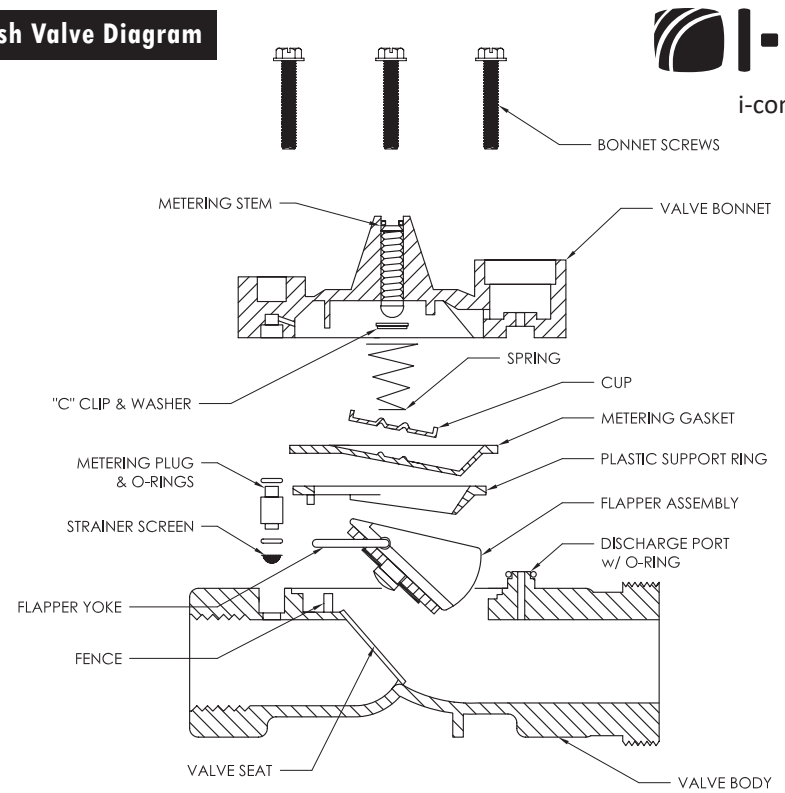
Note: 2.5 turns is standard. Pressure, fixture type, water quality, calcium build up and other factors affect actual setting.



Rebuild Complete



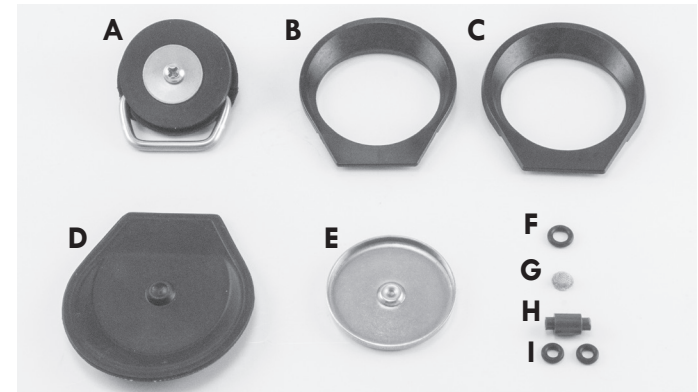
Flush Valve Diagram



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Rebuild Kit includes:

- A- Flapper Assembly
- B- 37X1 Model Specific Support Ring
- C- 38X1 Model Specific Support Ring
- D- Metering Gasket
- E- Cup
- F- Discharge Port O-ring
- G- Strainer Screen
- H- Metering Plug
- I- Metering Plug O-rings (2)



Additional product support can be found at support.i-con.com