



Installation Instructions

1 1/2" and 2" Inline Single Check Backflow Preventers/Device

701 Series

Model Number Explanation

COMPONENTS and REPAIR PARTS

SPACE 1, 2, & 3

Basic single check valve model number:

701 = Inline valve

SPACE 4

(-) Standard
C = With 1" FNPT tap in cap
F = With 1 1/2" FNPT Tap in cap
G = With 2" FNPT Tap in cap

SPACE 5

Single check valve size:
7 = 2"

SPACE 6

Inlet connection type:
D - Meter flange

SPACE 7

Outlet connection type:
E = Female iron pipe integral

SPACE 8

Blank

SPACE 9

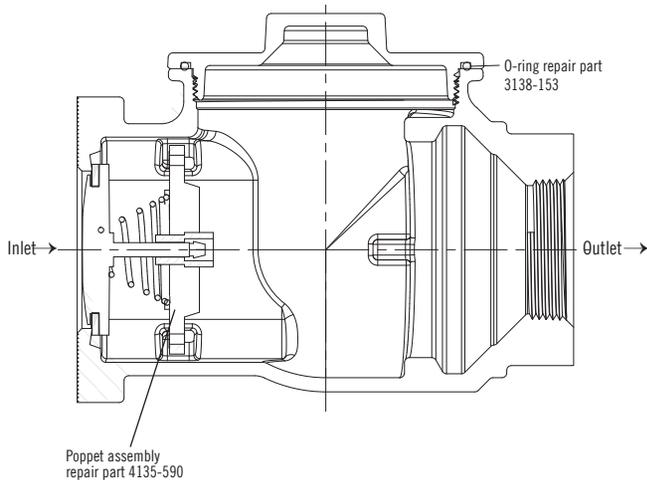
Meter flange size

METER SIZE	FLANGE SIZE	METER DESIGNATION
1 1/2	1 1/2"	6
2	2"	7

SPACE 10

Sizes for outlet connections

1 1/2" = 6
2" = 7



HOW TO ORDER

Not all sizes or combinations available - contact factory.

UNIT REQUIRED (Example):

- Inline style valve
- Inlet - Meter flange
- No test valve
- Outlet - FNPT integral 2"
- Valve size 2"

Order Model 701-7DE 77

SPACE 1, 2, & 3	SPACE 4	SPACE 5	SPACE 6	SPACE 7	SPACE 8	SPACE 9	SPACE 10
701	-	7	D	E		7	7

INSTALLATION INSTRUCTIONS

- The device can be installed in any position.
- The device shall be installed in an accessible location to facilitate the removal for servicing and testing.
- Service lines should be thoroughly flushed before installing the device. Excessive pipe sealant or Teflon tape may foul checks. A suitable strainer should be installed upstream of the device.
- DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on any seals or O-rings.
- Ensure that device is installed in proper flow direction. Refer to flow direction arrow on body.
- Do not over-tighten O-ring cap seal or across body cylinder to avoid distortion.
- Any sweat fittings must be completed before installing device.
- A pressure relief valve or expansion tank is recommended downstream of device if thermal expansion conditions are possible.
- Use only on cold water services. Protect from freezing.
- Refer to pressure and temperature ratings on device.

(Field Inspection and Test procedures on opposite side)



WARNING: It is unlawful in CALIFORNIA & VERMONT (effective 1/1/2010); MARYLAND (effective 1/1/2012); LOUISIANA (effective 1/1/2013) and the UNITED STATES OF AMERICA (effective 1/4/2014) to use any product in the installation or repair of any public water system or any plumbing in a facility or system that provides water for human consumption if the wetted surface area of the product has a weighted average lead content greater than 0.25%. This prohibition does not extend to service saddles used in California, Louisiana or under USA Public Law 111-380.



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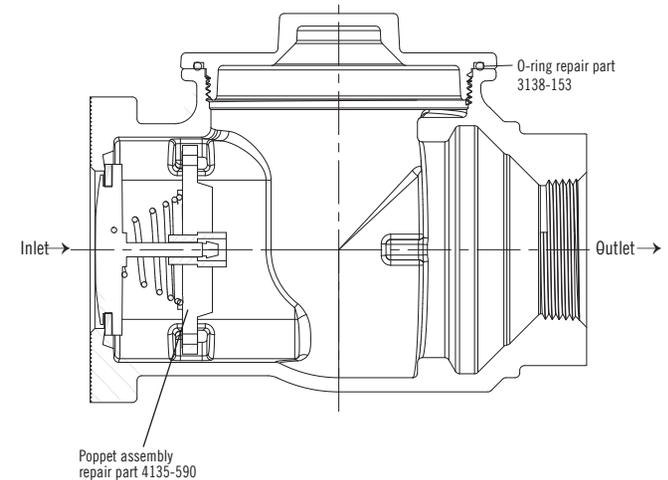
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A. DISASSEMBLY

1. Remove the device cap.
2. Remove the poppet assembly by rotating either direction until the tabs disengage, using care not to damage device or components. **See Diagram A.**
3. Visually inspect seals, sealing surfaces, etc. for debris or damage.

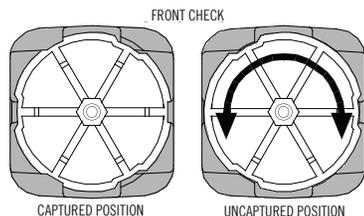


DIAGRAM A

B. TESTING

1. Place poppet assembly into body lining up tabs and slots. Press in the poppet bracket until it has uniform contact all the way around. Rotate the poppet bracket about 1/6 of a turn - **See Diagram E** - until cross bracket lines up with body interlocks.
2. Add water to test kit level to upper red line - 42 inches (1.5 psig).
3. Observe water level for up to 5 minutes. Water level should not fall below lower red line - 28 inches (1.0 psig).
4. If water column falls below 28 inches the poppet assembly should be cleaned and re-tested or replaced.
5. Remove the poppet assembly by rotating either direction until the tabs disengage, using care not to damage device or components. **See Diagram A.**

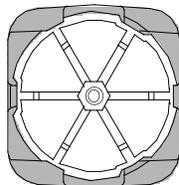
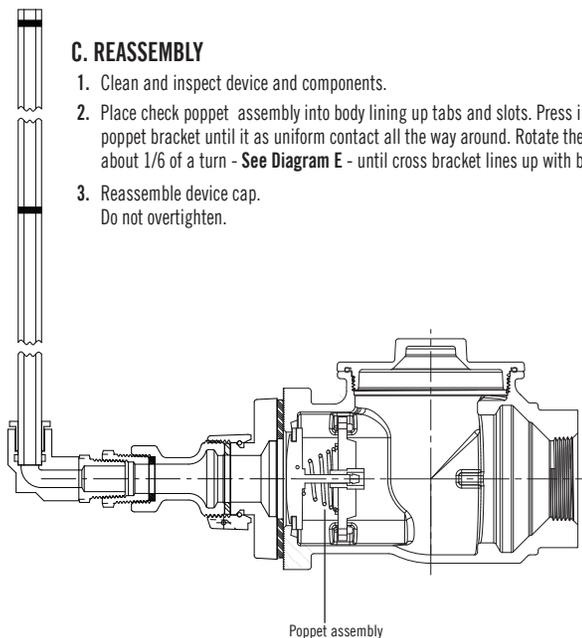


DIAGRAM E

C. REASSEMBLY

1. Clean and inspect device and components.
2. Place check poppet assembly into body lining up tabs and slots. Press in the poppet bracket until it as uniform contact all the way around. Rotate the poppet bracket about 1/6 of a turn - **See Diagram E** - until cross bracket lines up with body interlocks.
3. Reassemble device cap.
Do not overtighten.



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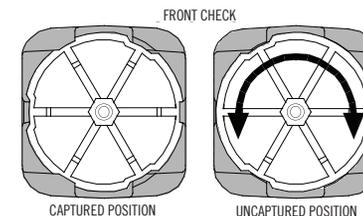


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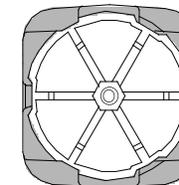


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