



# Installation Instructions Angle Dual Check Backflow Preventers/Device

Meets requirements of ASSE 1024

## 312 Series Model Number Explanation

### SPACE 1, 2, & 3

Basic dual check valve model number:  
312 = Angle valve

**SPACE 4**  
(-) Standard

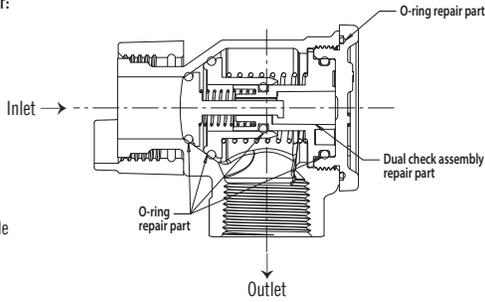
**SPACE 5**  
Dual check valve size:  
3 = 3/4"

**SPACE 6**  
Inlet connection type:  
H - Meter swivel integral with saddle  
J - Meter swivel integral  
Y - Yoke style thread male integral

**SPACE 7**  
Outlet connection type:  
E = Female iron pipe integral  
Q = CTS Q - Series compression integral  
R = Copper flare integral  
S = CTS H - Series compression integral  
T = CTS T - Series compression integral  
U = CTS G - Series compression integral  
2 = CTS (-22) Mac-Pak compression integral

**SPACE 8**  
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### COMPONENTS & REPAIR PARTS



#### Contact factory for repair parts

SPACE 9 Thread size of meter swivel nut			For Iron Yokes use the following designation.		
METER SIZE	THREAD SIZE	METER DESIGNATION	METER SIZE	THREAD SIZE	METER DESIGNATION
5/8	3/4"	3	5/8	-	2
5/8 x 3/4	1"	4	5/8 x 3/4	-	3
3/4	1"	4	3/4	-	3
1	1 1/4"	5	1	-	4

**SPACE 10**  
Sizes for outlet connections  
3/4"=3 1"=4

### HOW TO ORDER

**UNIT REQUIRED (Example):**  
- Angle style valve - Inlet - Meter swivel integral  
- Valve size 3/4" with saddle (5/8" x 3/4" or 3/4" meter)  
- Outlet - FNPT integral 3/4"

### Order Model 312-3HE 43

SPACE 1, 2, & 3	SPACE 4	SPACE 5	SPACE 6	SPACE 7	SPACE 8	SPACE 9	SPACE 10
312	-	3	H	E		4	3

(Installation and test procedures on opposite side)

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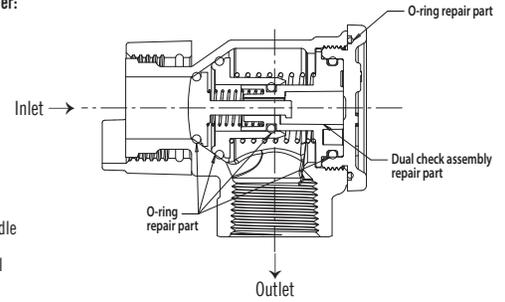
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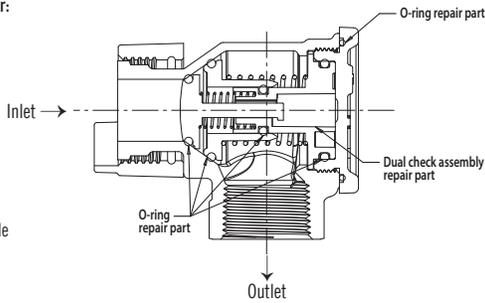
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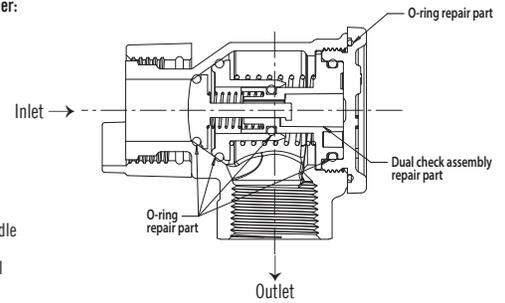
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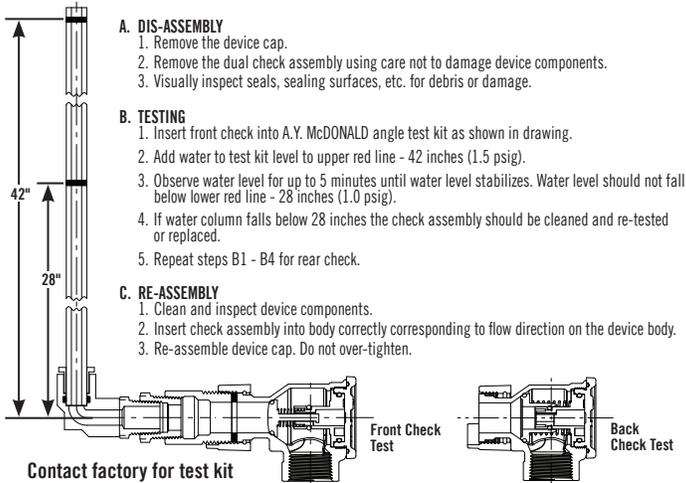
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## Installation Instructions Angle Dual Check Backflow Preventers/Device

1. Use only for residential and mobile home supply service or individual outlets.
2. The device can be installed in any position.
3. The device shall be installed in an accessible location to facilitate the removal for servicing and testing.
4. 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.
5. DO NOT use Vaseline®, plumber's grease, or any other petroleum based product on seals or O-rings.
6. Insure that device is installed in proper flow direction. Refer to flow direction arrow on body.
7. Do not over-tighten O-ring cap seal or across body cylinder to avoid distortion.
8. Any sweat fittings must be completed before installing device.
9. A pressure relief valve or expansion tank is recommended downstream of device if thermal expansion conditions are possible.
10. Use only on cold water services. Protect from freezing.
11. Refer to pressure and temperature ratings on device tag.

### FIELD INSPECTION AND TEST PROCEDURE



**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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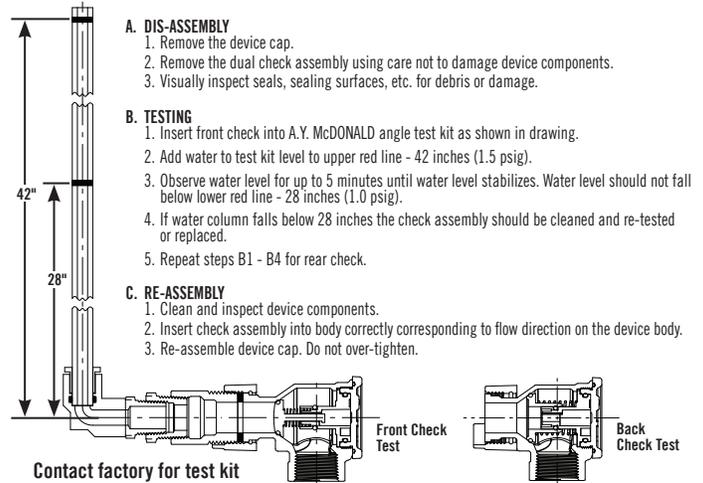
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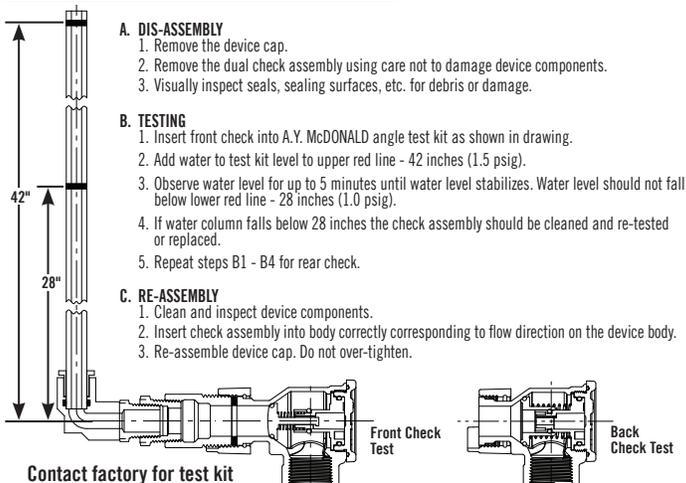
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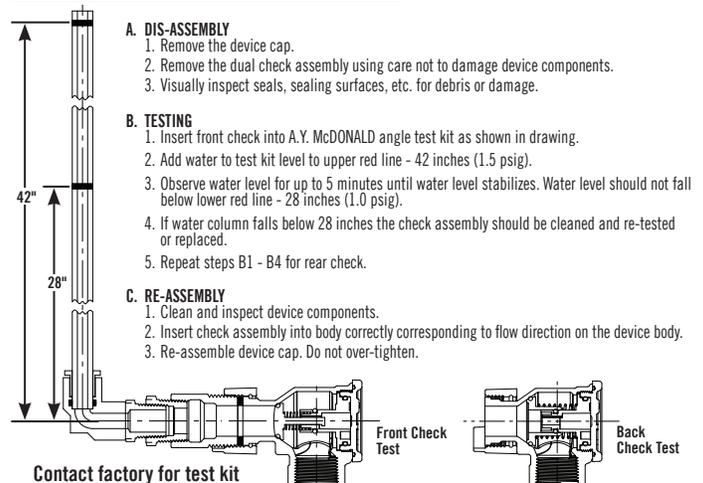
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