Angle Dual Check Backflow Preventers/Device

Meets requirements of ASSE 1024

COMPONENTS & REPAIR PARTS

-0100

The state of

Outlet

312 Series Model Number Explanation

Inlet

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 Meter swivel integral
- 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
- =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

3210-579

Contact factory for repair parts

SPACE 9 Thread size of meter swivel nut THREAD SIZE METER SIZE METER Designation 5/8 3/4 5/8 x 3/4

1 1/4'

designation THREAD METER METER SIZE 5/8 5/8 x 3/4 3/4 1

For Iron Yokes use the following

O-ring repair part

Dual check assembly

repair part

SPACE 10

Sizes for outlet connections 3/4"=3 1"=4

HOW TO ORDER

Not all sizes or combinations available - contact factory.

UNIT REQUIRED (Example):

- Angle style valve Valve size 3/4"
- Inlet Meter swivel integral 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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O-ring repair part

Dual check assembly repair part



Installation Instructions

Inlet \rightarrow

Angle Dual Check Backflow Preventers/Device

Meets requirements of ASSE 1024

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0-ring

312 Series Model Number Explanation **COMPONENTS & REPAIR PARTS**

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
- I 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
- =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 Blank

Contact factory for repair parts

SPACE 9 Thread size of meter swivel nu 5

For Iron Yokes use the following designation.

Sizes for outlet connections 3/4"=3 1"=4

METER Size	THREAD Size	METER Designation	METER Size	THREAD SIZE	METER Designation
5/8	3/4"	3	5/8	-	2
/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		

Outlet

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HOW TO ORDER

Not all sizes or combinations available - contact factory

- UNIT REQUIRED (Example): Angle style valve
- Inlet Meter swivel integral with saddle (5/8" x 3/4" or 3/4" meter) Valve size 3/4"
 - 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	Н	E		4	3
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Installation Instructions

Inlet

Angle Dual Check Backflow Preventers/Device

Meets requirements of ASSE 1024

-and

The state of

Outlet

312 Series Model Number Explanation **COMPONENTS & REPAIR PARTS**

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
- Meter swivel integral
- Y Yoke style thread male integral

SPACE 7

SPACE 8

3210-579

Outlet connection type:

- E =Female iron pipe integral
- Q =CTS Q Series compression integral R =Copper flare integral
- =CTS H Series compression integral
- T = CTS T Series compression integral U = CTS G Series compression integral
- 2 =CTS (-22) Mac-Pak compression
- integral

5/8 x 3/4

SPACE 9

METER SIZE METER Designation 5/8 3/4 3/4 1 1/4'

Contact factory for repair parts

Thread size of meter swivel nut

THREAD

THREAD SIZE DESIGNATION 5/8 5/8 x 3/4 3/4 1

For Iron Yokes use the following

O-ring repair part

Dual check assembly

METER

3/22

O-ring repair part

Dual check assembly repair part

repair part

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

designation

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HOW TO ORDER

Not all sizes or combinations available - contact factory.

UNIT REQUIRED (Example): Angle style valve

- Inlet Meter swivel integral Valve size 3/4" Outlet - FNPT integral 3/4'
 - with saddle (5/8" x 3/4" or 3/4" meter)

Order Model 312-3HE 43 SPACE 1, 2, & 3 SPACE 4 SPACE 5 SPACE 6 SPACE SPACE 8 SPACE 9 SPACE 10 312 3 Н 3

(Installation and test procedures on opposite side)

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Installation Instructions

Inlet

Angle Dual Check Backflow Preventers/Device

and III

0-ring

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Manager C

Outlet

Meets requirements of ASSE 1024 312 Series Model Number Explanation

COMPONENTS & REPAIR PARTS SPACE 1, 2, & 3

Basic dual check valve model number: 312 = Angle valve

SPACE 4 (-) Standard

3 = 3/4"

SPACE 5 **Dual check valve size**

SPACE 6

Inlet connection type: H - Meter swivel integral with saddle J - Meter swivel integral

Y - Yoke style thread male integral

SPACE 7

SPACE 8 Blank

SPACE 1, 2, & 3

312

Outlet connection type:

E =Female iron pipe integral Q =CTS Q - Series compression integral

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U =CTS G - Series compression integral 2 =CTS (-22) Mac-Pak compression integral

Contact factory for repair parts

SPACE 9 Thread size METER SIZE THREAD SIZE METER Designation 5/8 3/4 5/8 x 3/4 1 3/4

For Iron Yokes use the following designation

Sizes for outlet connections 3/4"=3 1"=4

SPACE 9

4

METER SIZE THREAD METER Designation 5/8 5/8 x 3/4 3/4 1 1/4" SPACE 10

HOW TO ORDER UNIT REQUIRED (Example):

SPACE 4

Not all sizes or combinations available - contact factory

Angle style valve Valve size 3/4'

- Inlet - Meter swivel integral with saddle (5/8" x 3/4" or 3/4" meter)

Outlet - FNPT integral 3/4'

Order Model 312-3HE 43

3

SPACE 5 SPACE 8 Н Ε

(Installation and test procedures on opposite side)

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SPACE 10 3



Installation Instructions

Angle Dual Check Backflow Preventers/Device

- Use only for residential and mobile home supply service or individual outlets.
- 3. 4.
- Use only for residential and mobile home supply service or individual outlets.

 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.

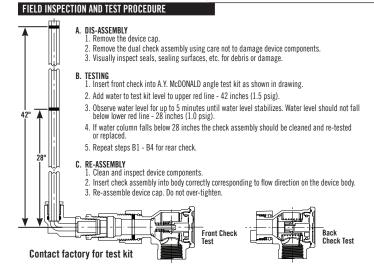
 Do NOT use Vaseline[®], plumber's grease, or any other petroleum based product on seals or O-rings. Insure that device is installed in proper flow direction. Refer to flow direction arrow on body.

 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 tag.



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 water 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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Installation Instructions

Angle Dual Check Backflow Preventers/Device

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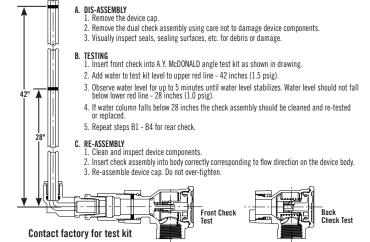
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FIELD INSPECTION AND TEST PROCEDURE



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Installation Instructions

Angle Dual Check Backflow Preventers/Device

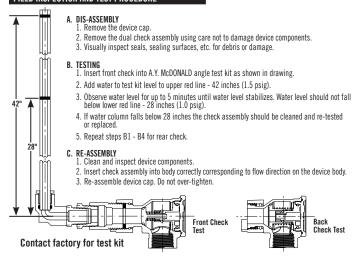
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FIELD INSPECTION AND TEST PROCEDURE



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Installation Instructions

Angle Dual Check Backflow Preventers/Device

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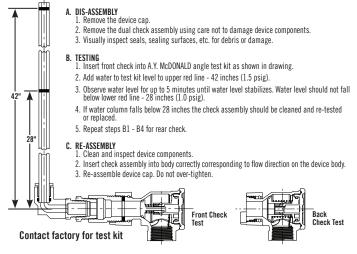
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