

MEDONALD A.Y. McDonald Mfg. Co.

Angle Dual Check Backflow Preventers/Device Meets requirements of ASSE 1024 and CSA B64.6

Outlet

111 & 112 Series

Model Number Explanation

SPACE 1,2 & 3

Basic dual check valve model number:

111 = Inline valve 112 = Angle valve

SPACE 4

(-) Standard

= Reverse direction of flow

W = Pentagon test plug in cap

SPACE 5

Dual check valve size:

3 = 3/4" 4 = 1"

SPACE 6

Inlet connection type:

A = Male meter thread integral

B = Male meter thread union

C = CTS (22) Mac-Pak compression union

E = Female iron pipe integral

F = Female iron pipe union

G = CTS T-Series compression union

H = Meter swivel integral with saddle

J = Meter swivel integral

K = K-Style male thread integral

L = K-Style female thread union

M = Male iron pipe union

N = Meter female thread union

P = Male iron pipe thread integral

Q = K-Style male thread union

S = Male meter thread with o-ring seal integral

T = CTS T-Series compression integral

W = Yokebox Cradle

Y = Yoke style thread male integral

2 = CTS (22) Mac-Pak compression integral

SPACE 7

Outlet connection type:

A = Male meter thread integral

B = Male meter thread union

C = CTS (22) Mac-Pak compression union G = CTS T-Series compression union

E = Female iron pipe integral

F = Female iron pipe union

H = Meter swivel integral with saddle

K = K-Style male tread integral

L = K-Style female thread union

M = Male iron pipe union

N = Meter female thread union

P = Male iron pipe thread integral

Q = CTS Q-Series compression integral

R = Copper flare integral

T = CTS T-Series compression integral

V = CTS Q-Series compression integral

2 = CTS (22) Mac-Pak compression integral

Standard Flow Direction Reverse Flow Direction O-ring O-ring O-ring →Outlet Bottom **Bottom** check cartridge check cartridge O-ring repair part O-ring repair part Insert spacer Insert spacer repair part repair part Inlet **Bottom** Bottom check cartridge O-ring check cartridge O-ring repair part repair part repair part repair part

Components / Repair Parts

SPACE 8 & 9

Sizes for inlet (8) and outlet (9) connections:

Inlet

1 = 1/2" $5 = 1 \frac{1}{4}$ 3 = 3/4"

4 = 1" 2 = 5/8" 6 = 1.1/2"

Thread size of meter swivel nut:

SIZE	SIZE	DESIGNATOIN		
5/8	3/4"	3		
5/8x3/4	1"	4		
3/4	1"	4		
1	1 1/4"	5		

For Iron Yokes use the following designation:

METER THREAD SIZE SIZE		METER DESIGNATOIN	
5/8	-	2	
5/8x3/4	-	3	
3/4	-	3	
1	_	4	

HOW TO ORDER

UNIT REQUIRED (Example):

 Angle style valve No test valve

 Valve size 3/4" · Outlet - FIP integral 3/4"

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

Not all sizes or combinations are

available - contact factory.

Order Model 112-3HE43

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Space 1-3	Space 4	Space 5	Space 6	Space 7	Space 8	Space 9			
112	-	3	Н	E	4	3			
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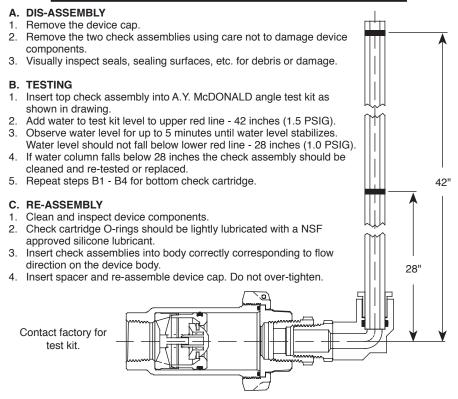
(Installation and test procedures on opposite side)



INSTALLATION INSTRUCTIONS

- 1. Use only for residential and mobile home supply service or individual outlets.
- 2. 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.
- 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.
- 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: Beginning January 1, 2010, it is unlawful in CALIFORNIA and VERMONT 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 the state of CALIFORNIA.