



Dear {FIRST\_NAME|Valued Customer},

As you buzz through the Spring season here is another beneficial newsletter budding with useful product information. Be sure to check out the great money saving offer enclosed. Best of luck and happy testing!

## Spotting the Differences - 1 1/4"-2" 009 Series



**Earlier this month we discussed some of the physical differences between each modification of the 3/4 and 1" Watts 009 series RPA. We did this to help in identifying each model if the data plate was missing or damaged. This week we will follow up with the differences among the 1 1/4 thru 2" Watts 009 series.**

**Mark:** The Watts 1 1/4 thru 2" 009 series assemblies have been updated or modified several times over the years. Like the 3/4 and 1" sizes, these modifications are dependent on the size of the assembly and should be indicated on the data plate, i.e. M1 or M2. Let's start with the original 009 series. This assembly, as well as the 009M1, uses the same size and style of body and cover for the 1 1/4, 1 1/2, and 2" sizes, so it is not as easy to distinguish by its outward appearance. So, we will have to look inside. This original 009 used a relief valve stem assembly which was made of



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brass. Another important feature to look for would be the check valve modules. Like the relief valve stem assembly, these check valves have a Brass disc holder, which houses the rubber disc. Looking for these two important features should help in identifying the original 1-1/4" – 2" 009.



**Doug:** The 1-1/4", 1-1/2", and 2" sizes of the 009 were first modified to the 009M1. Because this modification uses the same size and style of cover as the original, we'll also have to take a look inside of this one for some changes or modifications that will help us with proper identification. This 009M1 uses the same relief valve stem assembly as the original, which is made of brass, so you'll have to take the relief valve assembly out and look further, because the



difference is in the check valve modules. Unlike the original, which uses brass disc holders, the 009M1 currently has black plastic disc holders which house the rubber check valve discs.



**Mark:** The next modification was on the 1-1/4 and 1-1/2" sizes only. This assembly was modified to the 009M2. This modification is somewhat distinguishable from the others by outward appearance. Although the access cover uses (6) bolts like the others and is shaped the same, it is smaller in size. The access cover is only



about 5 inches in diameter, compared to the others, which are about 6 inches in diameter. Also this 009M2 is only 17-3/8 inches long including ball valves, compared with the others, which are over 21 inches long. This modification uses a black plastic retainer compared to the stainless steel one in the others



and the relief valve assembly is made of black plastic, and the check valve cages and seats are also black plastic.

**Doug:** The next modification was made to the 2" size only. This 2" size also uses the modification number 009M2. This modification unfortunately is not distinguishable by outward appearance from the 009, or 009M1 because of the same style and size of the access cover. So once again we'll point to the inside for the differences. The most noticeable difference would be the relief valve stem assembly, which is made of black plastic. The check valve modules have a white plastic seat and cage assembly that house a black plastic disc holder.



### Summary Points to Remember:

- 1-1/4" – 2" 009 – Brass Relief Valve/ White Cage & Seat/ Brass Disc Holders.
- 1-1/4" – 2" 009M1 – Brass Relief Valve/ White Cage & Seat/ Black Plastic Disc Holders.

- 1-1/4" –1-1/2" 009M2 – Black Plastic Relief Valve/ Black Cage & Seat/ Black Plastic Disc Holders.
- 2" 009M2 – Black Plastic Relief Valve/ White Cage & Seat/ Black Plastic Disc Holders.

## [Plastic Backflows Part 2:](#) [ARI DC500 and RP500](#)



### **Features:**

- New Composite Body does not contain Brass, therefore it is a theft deterrent
- Only need to carry parts for 2 sizes (1/2"-1" and 1 1/4"-2")
- Low Lead Compliant, only ball valves may contain lead
- Modular Design with easily replaceable components

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Your Team at American Backflow Products



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